

**RATING CONDITIONS**

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

60 Hz Operation

# AIR CONDITIONING

**ZR42K5E-PFV**

HFC-407C - Dew Pt  
 COPELAND SCROLL®  
 PFV 208/230-1-60

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

		-10(12)	0(20)	10(28)	20(38)	30(50)	40(63)	45(71)	50(79)	55(87)
<b>Condensing Temperature °F (Sat Dew Pt Pressure, psig)</b>	150 (402) C						29600	33600	37900	42500
	P						5260	5220	5180	5140
	A						23.5	23.3	23.05	22.8
	M						499	560	625	693
	E						5.7	6.5	7.3	8.3
	%						52	55.4	58.5	61.3
	140 (352) C					25600	33200	37400	41800	46600
	P					4550	4470	4440	4420	4390
	A					20.2	19.9	19.75	19.55	19.3
	M					408	519	579	643	709
E					5.6	7.4	8.4	9.5	10.6	
%					51.3	58.7	61.8	64.4	66.6	
130 (306) C				21600	28500	36400	40800	45500	50500	
P				3920	3860	3820	3800	3780	3770	
A				17.35	17.15	16.95	16.8	16.65	16.45	
M				329	427	535	594	656	722	
E				5.5	7.4	9.6	10.8	12	13.4	
%				50	58.2	64.7	67.2	69.3	70.8	
120 (265) C			17800	24100	31200	39400	43900	48800	54000	
P			3380	3340	3300	3270	3260	3250	3250	
A			14.95	14.85	14.7	14.55	14.45	14.3	14.15	
M			260	345	440	546	604	665	730	
E			5.3	7.2	9.4	12.1	13.5	15	16.6	
%			47.8	56.9	64.2	69.5	71.4	72.6	73.1	
110 (229) C		14200	19850	26300	33600	42100	46800	51900	57400	
P		2910	2880	2850	2830	2820	2810	2810	2810	
A		12.95	12.85	12.75	12.65	12.55	12.5	12.4	12.3	
M		201	275	357	449	553	611	671	736	
E		4.9	6.9	9.2	11.9	14.9	16.6	18.4	20.4	
%		44.7	54.7	62.9	69	72.7	73.6	73.8	73.1	
100 (196) C	10900	16000	21700	28300	35800	44600	49600	54900	60600	
P	2500	2480	2460	2450	2440	2430	2440	2440	2440	
A	11.25	11.15	11.05	11.05	11	10.95	10.9	10.85	10.75	
M	149.5	214	286	365	456	559	615	676	740	
E	4.3	6.5	8.8	11.6	14.7	18.4	20.4	22.5	24.8	
%	40.5	51.7	60.7	67.6	72.1	73.9	73.6	72.4	70.3	
90 (166) C	12500	17550	23400	30100	37900	47000	52200	57700	63600	
P	2120	2110	2110	2100	2100	2100	2110	2110	2120	
A	9.7	9.6	9.55	9.55	9.6	9.55	9.55	9.5	9.45	
M	162	224	293	371	460	562	618	679	743	
E	5.9	8.3	11.1	14.3	18.1	22.4	24.8	27.3	30	
%	47.7	57.8	65.6	70.9	73.4	72.7	71	68.2	64.3	
80 (140) C	13900	19000	24900	31700	39800	49300	54600	60400	66600	
P	1800	1800	1800	1800	1805	1810	1810	1815	1825	
A	8.25	8.2	8.2	8.25	8.3	8.35	8.35	8.35	8.3	
M	172	231	298	375	463	564	621	681	746	
E	7.7	10.6	13.8	17.6	22.1	27.3	30.1	33.3	36.5	
%	54.3	63.1	69.4	72.8	72.9	69.1	65.5	60.6	54.4	

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(%)**