

RATING CONDITIONS

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

60 Hz Operation

AIR CONDITIONING

ZR38K5E-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)
Condensing Temperature °F (Sat Dew Pt Pressure, psig)	150 (402) C						26500	30100	34000	38100
	P						4760	4720	4690	4650
	A						21.95	21.8	21.6	21.4
	M						445	501	559	620
	E						5.5	6.4	7.3	8.2
	%						51.3	54.7	57.8	60.6
	140 (352) C					22900	29700	33500	37500	41900
	P					4140	4080	4050	4020	4000
	A					19.15	18.9	18.75	18.6	18.4
	M					365	465	519	576	636
E					5.5	7.3	8.3	9.3	10.4	
%					50.4	57.6	60.7	63.3	65.6	
130 (306) C				19300	25500	32600	36600	40800	45300	
P				3600	3550	3500	3490	3470	3460	
A				16.75	16.6	16.4	16.3	16.15	16	
M				295	382	479	532	588	648	
E				5.3	7.2	9.3	10.5	11.8	13.1	
%				48.8	56.7	63.1	65.6	67.7	69.2	
120 (265) C			15900	21500	28000	35300	39400	43800	48500	
P			3130	3090	3050	3030	3020	3010	3010	
A			14.75	14.6	14.5	14.35	14.25	14.15	14.05	
M			233	309	394	489	541	597	656	
E			5.1	7	9.2	11.7	13.1	14.6	16.1	
%			46.2	55	62.1	67.2	69	70.3	70.9	
110 (229) C		12650	17750	23500	30100	37800	42000	46600	51600	
P		2720	2690	2670	2650	2640	2630	2630	2630	
A		13	12.9	12.85	12.8	12.7	12.65	12.55	12.45	
M		179	246	320	402	496	548	603	661	
E		4.7	6.6	8.8	11.4	14.3	15.9	17.7	19.6	
%		42.6	52.3	60.1	66	69.6	70.5	70.7	70.2	
100 (196) C	9680	14250	19400	25300	32100	40100	44500	49300	54400	
P	2360	2340	2330	2310	2310	2300	2310	2310	2310	
A	11.6	11.5	11.4	11.4	11.35	11.3	11.3	11.25	11.15	
M	132.5	191	255	327	408	501	552	607	665	
E	4.1	6.1	8.3	10.9	13.9	17.4	19.3	21.4	23.5	
%	37.9	48.7	57.4	63.9	68.2	69.9	69.7	68.7	66.8	
90 (166) C	11100	15650	20900	26900	34000	42200	46800	51800	57200	
P	2040	2030	2020	2020	2020	2020	2020	2030	2030	
A	10.25	10.15	10.15	10.15	10.15	10.15	10.15	10.1	10.05	
M	144	200	262	332	412	504	555	610	668	
E	5.5	7.8	10.3	13.3	16.9	20.9	23.1	25.6	28.1	
%	44.2	53.8	61.2	66.2	68.6	68	66.4	63.9	60.3	
80 (140) C	12400	16950	22200	28400	35700	44300	49100	54200	59800	
P	1755	1755	1755	1755	1755	1760	1765	1770	1775	
A	9.05	9	9	9.05	9.1	9.1	9.1	9.1	9.1	
M	153	207	267	336	415	507	558	613	672	
E	7	9.7	12.7	16.2	20.4	25.1	27.8	30.6	33.7	
%	49.7	58	63.8	66.9	67.1	63.7	60.4	56	50.4	

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(%)