

RATING CONDITIONS

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

60 Hz Operation

AIR CONDITIONING

Bold Area Restrictions: 3-Phase Compressors
 Only

ZP54K5E-PFV

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

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

-10(36) 0(48) 10(62) 20(78) 30(97) 40(118) 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)	10(62)	20(78)	30(97)	40(118)	45(130)	50(142)	55(155)
150 (611)	C						39500	44200	49100	54500
	P						6850	6800	6750	6700
	A						30	29.7	29.4	29.2
	M						690	765	840	925
	E						5.8	6.5	7.3	8.1
%						58.1	61	63.6	65.9	
145 (575)	C						42000	46800	52000	57500
	P						6400	6350	6300	6250
	A						27.9	27.7	27.5	27.3
	M						700	775	850	935
	E						6.6	7.4	8.3	9.2
%						60.8	63.6	66	68	
140 (540)	C					35400	44400	49300	54500	60500
	P					6050	5950	5900	5850	5850
	A					26.4	26	25.8	25.6	25.5
	M					575	710	780	860	945
	E					5.9	7.5	8.4	9.3	10.3
%					57.3	63.4	66	68.1	69.8	
130 (475)	C				31100	39400	48900	54000	60000	66000
	P				5300	5250	5150	5150	5100	5100
	A				23.3	23	22.6	22.5	22.4	22.3
	M				473	590	725	800	875	960
	E				5.9	7.5	9.5	10.5	11.7	12.9
%				56.1	62.7	68	70	71.5	72.5	
120 (417)	C		26800	34400	43100	53000	58500	64500	71000	
	P		4680	4620	4560	4510	4490	4480	4470	
	A		20.5	20.3	20	19.8	19.7	19.7	19.6	
	M		386	489	605	740	810	890	970	
	E		5.7	7.5	9.5	11.8	13.1	14.4	15.9	
%		54.4	61.5	67.2	71.3	72.7	73.4	73.5		
110 (364)	C		22600	29500	37400	46500	57000	63000	69500	76000
	P		4110	4070	4030	3990	3950	3940	3930	3930
	A		18.1	17.9	17.7	17.6	17.4	17.4	17.3	17.3
	M		311	400	500	615	750	820	900	980
	E		5.5	7.3	9.3	11.7	14.5	16	17.6	19.4
%		52.1	59.6	65.8	70.5	73.2	73.7	73.5	72.5	
100 (316)	C	18600	24800	31900	40200	49800	61000	67000	74000	81000
	P	3590	3580	3560	3530	3490	3470	3460	3460	3460
	A	15.9	15.9	15.8	15.6	15.5	15.4	15.4	15.3	15.3
	M	247	324	411	510	625	755	830	910	990
	E	5.2	6.9	9	11.4	14.2	17.6	19.4	21.4	23.4
%	49.4	57.2	63.7	68.8	72.1	73.1	72.6	71.2	69	
90 (273)	C	20500	26800	34200	42800	53000	64500	71000	78000	86000
	P	3150	3140	3120	3100	3070	3050	3040	3030	3030
	A	14	14	14	13.9	13.7	13.6	13.6	13.6	13.6
	M	259	333	418	515	630	765	835	915	1000
	E	6.5	8.5	10.9	13.8	17.2	21.2	23.4	25.8	28.3
%	54.3	61	66.4	70.2	71.9	70.9	69.1	66.3	62.4	
80 (235)	C	22300	28700	36300	45200	56000	68000	75000	82500	90500
	P	2770	2770	2750	2720	2690	2660	2650	2640	2640
	A	12.5	12.5	12.4	12.3	12.2	12.1	12	12	11.9
	M	267	339	423	520	635	770	845	925	1010
	E	8	10.4	13.2	16.6	20.7	25.6	28.3	31.2	34.3
%	57.9	63.5	67.7	70	69.9	66.3	63	58.4	52.4	

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(%)