

Rating Conditions

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

60 Hz Operation

**AIR
CONDITIONING**

ZP51K6E-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)	10.0 (62)	20.0 (78)	30.0 (97)	40.0 (118)	45.0 (130)	50.0 (143)	55.0 (156)
145.0 (576)	C						40,000	44,300	49,000	54,000
	P						5,910	5,880	5,850	5,800
	A						26.6	26.4	26.3	26.1
	M						665	733	804	881
	E						6.8	7.6	8.4	9.3
	%						62.8	65.1	67.3	69.2
140.0 (541)	C						42,200	46,600	51,500	56,600
	P						5,520	5,490	5,460	5,410
	A						24.8	24.7	24.5	24.4
	M						673	739	811	887
	E						7.7	8.5	9.5	10.5
	%						65.1	67.2	69.2	70.9
130.0 (477)	C					37,600	46,200	51,000	56,200	61,700
	P					4,860	4,820	4,790	4,750	4,710
	A					21.8	21.7	21.5	21.4	21.2
	M					565	685	751	821	897
	E					7.8	9.6	10.7	11.8	13.1
	%					64.7	69.1	70.9	72.4	73.7
115.0 (391)	C			27,300	34,300	42,400	51,800	57,000	62,600	68,600
	P			4,040	4,010	3,970	3,930	3,900	3,860	3,820
	A			18.2	18.1	17.9	17.7	17.6	17.5	17.3
	M			382	474	578	697	763	833	909
	E			6.8	8.6	10.7	13.2	14.6	16.2	18.0
	%			60.0	65.8	70.2	73.2	74.2	74.8	75.0
110.0 (365)	C			28,400	35,600	43,900	53,600	58,900	64,700	70,800
	P			3,780	3,750	3,720	3,680	3,650	3,610	3,560
	A			17.1	16.9	16.8	16.6	16.5	16.4	16.2
	M			387	477	581	700	766	836	912
	E			7.5	9.5	11.8	14.6	16.2	17.9	19.9
	%			62.1	67.5	71.4	73.8	74.5	74.7	74.4
100.0 (318)	C	18,550	24,100	30,600	38,100	46,800	56,900	62,500	68,600	75,100
	P	3,420	3,360	3,320	3,290	3,270	3,220	3,190	3,160	3,110
	A	15.5	15.3	15.1	15.0	14.8	14.7	14.5	14.4	14.2
	M	246	315	393	483	586	705	771	842	917
	E	5.5	7.2	9.2	11.6	14.3	17.7	19.6	21.8	24.2
	%	51.8	59.5	65.5	69.9	72.7	73.6	73.3	72.5	71.0
90.0 (274)	C	20,200	25,900	32,600	40,400	49,500	60,100	66,000	72,400	79,200
	P	3,010	2,960	2,930	2,910	2,880	2,840	2,810	2,770	2,730
	A	13.8	13.6	13.4	13.3	13.2	13.0	12.9	12.8	12.6
	M	254	321	398	487	590	709	775	846	922
	E	6.7	8.8	11.1	13.9	17.2	21.2	23.5	26.1	29.1
	%	55.9	62.6	67.7	70.8	72.0	70.9	69.4	67.2	64.2
80.0 (236)	C	21,800	27,600	34,500	42,600	52,100	63,200	69,400	76,100	83,300
	P	2,670	2,630	2,600	2,580	2,560	2,520	2,490	2,450	2,410
	A	12.3	12.1	12.0	11.9	11.8	11.7	11.6	11.5	11.3
	M	261	326	402	491	594	713	779	850	927
	E	8.2	10.5	13.3	16.5	20.4	25.1	27.9	31.0	34.6
	%	59.0	64.6	68.2	69.7	68.8	65.1	62.1	58.0	52.9

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