

Rating Conditions

65 °F Return Gas
0 F Subcooling
95 °F Ambient Air Over

60 Hz Operation

**EXTENDED MEDIUM
TEMPERATURE**

**HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11**

ZS38K4E-PFV

HFC-404A

COPELAND SCROLL®

PFV 208/230-1-60

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

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

		-25.0 (13)	-20.0 (16)	-15.0 (20)	-10.0 (24)	-5.0 (28)	0.0 (33)	10.0 (43)	20.0 (55)	30.0 (69)	40.0 (85)	45.0 (94)
140.0 (402)	C						18,700	23,000	28,100	34,300	41,600	45,800
	P						6,000	6,300	6,650	6,950	7,350	7,500
	A						26.7	27.9	29.1	30.4	31.9	32.7
	M						472	588	733	912	1,135	1,266
	E						3.1	3.6	4.2	4.9	5.7	6.1
	%						52.3	54.7	56.8	58.3	59.0	59.0
130.0 (354)	C			15,600	17,400	19,400	21,500	26,500	32,400	39,300	47,500	52,000
	P			5,000	5,150	5,300	5,400	5,700	6,000	6,350	6,750	6,950
	A			23.0	23.5	24.0	24.5	25.6	26.8	28.1	29.6	30.4
	M			346	388	434	484	603	748	926	1,144	1,272
	E			3.1	3.4	3.7	4.0	4.6	5.4	6.2	7.1	7.5
	%			52.2	53.6	54.9	56.2	58.2	59.6	60.1	59.4	58.6
120.0 (310)	C	14,000	15,700	17,500	19,600	21,800	24,200	29,800	36,400	44,100	53,000	58,500
	P	4,290	4,400	4,520	4,640	4,770	4,900	5,150	5,500	5,850	6,250	6,450
	A	20.4	20.8	21.2	21.7	22.1	22.6	23.6	24.8	26.1	27.7	28.6
	M	280	315	354	396	444	495	616	762	940	1,157	1,282
	E	3.3	3.6	3.9	4.2	4.6	5.0	5.8	6.6	7.6	8.5	9.0
	%	52.6	54.3	55.9	57.3	58.6	59.7	61.2	61.7	60.9	58.8	57.1
110.0 (270)	C	15,400	17,300	19,400	21,600	24,100	26,800	33,000	40,300	48,800	58,500	64,000
	P	3,880	3,980	4,080	4,190	4,310	4,430	4,700	5,000	5,400	5,850	6,100
	A	19.0	19.3	19.7	20.1	20.5	20.9	21.9	23.1	24.5	26.2	27.1
	M	284	320	360	403	452	505	627	775	954	1,169	1,293
	E	4.0	4.3	4.7	5.2	5.6	6.1	7.0	8.0	9.0	10.1	10.6
	%	55.8	57.6	59.3	60.6	61.8	62.6	63.4	62.7	60.5	56.6	54.1
105.0 (252)	C	16,000	18,000	20,200	22,600	25,200	28,000	34,500	42,100	51,000	61,500	67,000
	P	3,690	3,780	3,880	3,980	4,100	4,220	4,490	4,820	5,200	5,650	5,950
	A	18.3	18.6	19.0	19.4	19.8	20.2	21.2	22.4	23.8	25.5	26.5
	M	286	322	362	406	455	508	632	781	960	1,175	1,298
	E	4.4	4.8	5.2	5.7	6.2	6.6	7.7	8.7	9.8	10.8	11.3
	%	57.3	59.2	60.8	62.1	63.1	63.8	64.0	62.7	59.6	54.9	51.9
100.0 (235)	C	16,700	18,800	21,100	23,600	26,300	29,300	36,000	43,900	53,000	64,000	70,000
	P	3,500	3,590	3,690	3,790	3,900	4,020	4,300	4,640	5,050	5,550	5,800
	A	17.7	18.0	18.3	18.7	19.1	19.5	20.5	21.7	23.2	25.0	26.0
	M	287	324	364	409	458	512	636	786	965	1,180	1,303
	E	4.8	5.2	5.7	6.2	6.7	7.3	8.4	9.5	10.5	11.6	12.1
	%	58.7	60.5	62.1	63.3	64.2	64.6	64.3	62.2	58.3	52.7	49.3
90.0 (202)	C	17,900	20,200	22,700	25,400	28,300	31,600	38,900	47,500	57,500	69,000	75,500
	P	3,170	3,250	3,340	3,440	3,550	3,680	3,980	4,340	4,790	5,300	5,600
	A	16.6	16.9	17.2	17.5	17.9	18.3	19.3	20.6	22.2	24.2	25.3
	M	289	326	367	413	463	517	643	794	974	1,189	1,312
	E	5.7	6.2	6.8	7.4	8.0	8.6	9.8	10.9	12.0	13.0	13.4
	%	61.1	62.8	64.2	65.1	65.5	65.4	63.7	59.9	54.2	46.9	42.7
80.0 (173)	C	19,100	21,500	24,200	27,100	30,300	33,800	41,700	51,000	61,500		
	P	2,870	2,950	3,040	3,140	3,260	3,390	3,720	4,120	4,610		
	A	15.7	15.9	16.2	16.5	16.9	17.4	18.4	19.8	21.6		
	M	290	328	370	416	466	521	649	801	982		
	E	6.6	7.3	8.0	8.6	9.3	9.9	11.2	12.4	13.4		
	%	62.9	64.3	65.3	65.7	65.5	64.6	61.2	55.5	48.1		
70.0 (147)	C	20,200	22,800	25,600	28,700	32,200	35,900	44,300	54,000	65,500		
	P	2,610	2,690	2,780	2,890	3,020	3,170	3,520	3,970	4,530		
	A	14.9	15.1	15.4	15.7	16.1	16.6	17.8	19.3	21.2		
	M	291	329	371	417	468	524	653	806	988		
	E	7.7	8.5	9.2	9.9	10.6	11.3	12.6	13.6	14.5		
	%	63.8	64.8	65.1	64.8	63.7	62.0	56.6	49.2	40.2		

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