Rating Conditions

65 °F Return Gas

0 F Subcooling

95 °F Ambient Air Over

60 Hz Operation

LOW TEMPERATURE

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

Liquid Injection

ZF13K4E-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)

		-40.0 (4)	-35.0 (7)	-30.0 (10)	-25.0 (13)	-20.0 (16)	-15.0 (20)	-10.0 (24)	-7.0 (26)
140.0 (402)	C								
	P								
	A								
	M								
	E								
	%								
125.0 (331)	C	7,350	8,430	9,620	10,900	12,400	13,900	15,600	16,700
	P	3,490	3,550	3,610	3,690	3,770	3,860	3,950	4,010
	A	16.3	16.5	16.8	17.1	17.4	17.8	18.2	18.5
	M	153	175	201	229	260	294	331	355
	E	2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.2
	%	42.8	45.8	48.7	51.3	53.8	56.1	58.0	59.1
115.0 (290)	C	7,980	9,210	10,600	12,000	13,700	15,400	17,400	18,600
	P	3,140	3,200	3,260	3,330	3,410	3,500	3,590	3,650
	A	14.8	15.0	15.3	15.6	15.9	16.3	16.7	16.9
	M	152	176	202	231	263	298	337	361
	E	2.5	2.9	3.2	3.6	4.0	4.4	4.8	5.1
	%	45.2	48.5	51.6	54.4	57.0	59.2	61.1	62.0
100.0 (235)	C	9,160	10,600	12,100	13,800	15,600	17,600	19,800	21,200
	P	2,720	2,770	2,830	2,900	2,970	3,060	3,150	3,210
	A	13.0	13.2	13.4	13.7	14.0	14.4	14.8	15.0
	M	156	181	207	237	269	305	344	369
	E	3.4	3.8	4.3	4.8	5.3	5.8	6.3	6.6
	%	49.6	52.9	55.9	58.6	60.8	62.7	64.1	64.7
90.0 (202)	C	10,000	11,500	13,100	14,900	16,900	19,000	21,300	22,800
	P	2,490	2,540	2,590	2,660	2,730	2,820	2,910	2,960
	A	12.1	12.3	12.5	12.7	13.0	13.4	13.8	14.0
	M	161	184	211	240	272	308	346	371
	E	4.0	4.5	5.1	5.6	6.2	6.7	7.3	7.7
	%	52.6	55.6	58.2	60.5	62.4	63.8	64.7	65.0
75.0 (160)	C	11,400	12,900	14,600	16,400	18,500	20,700	23,200	24,800
	P	2,200	2,240	2,300	2,360	2,430	2,510	2,590	2,650
	A	11.0	11.1	11.3	11.5	11.8	12.1	12.5	12.7
	M	167	190	215	243	274	308	346	370
	E	5.2	5.7	6.3	7.0	7.6	8.3	8.9	9.3
	%	55.9	58.2	60.1	61.6	62.6	63.1	63.1	62.8
65.0 (136)	C	12,200	13,700	15,400	17,300	19,400	21,700	24,200	25,800
	P	2,030	2,070	2,120	2,180	2,240	2,320	2,410	2,460
	A	10.3	10.5	10.6	10.8	11.1	11.4	11.7	12.0
	M	170	192	216	243	273	306	342	366
	E	6.0	6.6	7.3	7.9	8.6	9.3	10.0	10.5
	%	57.2	58.8	60.0	60.8	61.2	61.0	60.3	59.6
50.0 (104)	C	13,200	14,700	16,300	18,200	20,200	22,500	25,100	26,700
	P	1,800	1,830	1,870	1,920	1,990	2,060	2,140	2,200
	A	9.5	9.5	9.7	9.8	10.0	10.3	10.6	10.9
	M	172	191	213	238	265	296	330	353
	E	7.4	8.0	8.7	9.4	10.2	11.0	11.7	12.2
	%	57.4	57.8	57.9	57.6	56.8	55.6	53.7	52.4
40.0 (85)	C	13,700	15,100	16,600	18,400	20,500	22,700	25,200	26,900
	P	1,640	1,670	1,700	1,750	1,810	1,880	1,960	2,010
	A	8.9	8.9	9.0	9.1	9.3	9.6	9.9	10.1
	M	171	188	208	231	257	286	318	339
	E	8.4	9.0	9.8	10.5	11.3	12.1	12.9	13.4
	%	56.6	56.1	55.4	54.2	52.7	50.6	48.0	46.2

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

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