

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

ZF08K4E-PFV

HFC-404A
 COPELAND SCROLL®
 PFV 208/230-1-60

Liquid Injection

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)	-5.0 (28)	0.0 (33)
140.0 (402)	C									9,970
	P									3,370
	A									15.9
	M									252
	E									3.0
	%									49.7
130.0 (354)	C	4,480	5,150	5,860	6,620	7,440	8,330	9,290	10,300	11,500
	P	2,880	2,870	2,870	2,880	2,900	2,930	2,960	3,010	3,060
	A	13.5	13.5	13.5	13.5	13.6	13.7	13.9	14.1	14.4
	M	98	113	128	146	164	184	207	231	258
	E	1.6	1.8	2.0	2.3	2.6	2.8	3.1	3.4	3.7
	%	33.9	37.2	40.2	42.9	45.4	47.7	49.6	51.4	52.9
115.0 (290)	C	5,290	6,060	6,880	7,770	8,740	9,790	10,900	12,200	13,500
	P	2,370	2,380	2,390	2,420	2,450	2,500	2,550	2,610	2,670
	A	11.1	11.2	11.3	11.4	11.5	11.7	12.0	12.2	12.5
	M	101	116	132	149	168	189	212	237	265
	E	2.2	2.5	2.9	3.2	3.6	3.9	4.3	4.7	5.1
	%	39.7	42.9	45.8	48.4	50.6	52.6	54.2	55.5	56.6
105.0 (252)	C	5,780	6,610	7,500	8,470	9,530	10,700	11,900	13,300	14,800
	P	2,090	2,110	2,140	2,170	2,210	2,260	2,320	2,380	2,450
	A	9.9	9.9	10.1	10.2	10.4	10.6	10.9	11.2	11.5
	M	102	117	133	151	170	191	215	240	268
	E	2.8	3.1	3.5	3.9	4.3	4.7	5.1	5.6	6.0
	%	43.3	46.3	49.0	51.4	53.3	55.0	56.3	57.2	57.9
90.0 (202)	C	6,460	7,360	8,340	9,420	10,600	11,900	13,300	14,800	16,500
	P	1,770	1,800	1,830	1,880	1,930	1,990	2,050	2,120	2,190
	A	8.3	8.5	8.6	8.8	9.1	9.3	9.6	9.9	10.3
	M	104	118	134	152	171	193	216	242	271
	E	3.7	4.1	4.5	5.0	5.5	6.0	6.5	7.0	7.5
	%	47.6	50.2	52.3	54.1	55.6	56.6	57.3	57.6	57.6
80.0 (173)	C	6,880	7,820	8,850	9,990	11,200	12,600	14,100	15,800	17,600
	P	1,610	1,640	1,690	1,730	1,790	1,850	1,910	1,980	2,050
	A	7.6	7.7	7.9	8.1	8.4	8.7	9.0	9.3	9.6
	M	104	118	134	152	171	193	217	243	272
	E	4.3	4.8	5.2	5.8	6.3	6.8	7.4	8.0	8.6
	%	49.3	51.4	53.1	54.5	55.4	56.0	56.3	56.1	55.7
65.0 (136)	C	7,480	8,460	9,560	10,800	12,100	13,600	15,300	17,100	19,100
	P	1,450	1,490	1,540	1,590	1,650	1,710	1,770	1,840	1,910
	A	6.8	6.9	7.2	7.4	7.7	7.9	8.2	8.6	8.9
	M	104	118	134	152	171	193	216	243	272
	E	5.1	5.7	6.2	6.8	7.4	8.0	8.6	9.3	10.0
	%	49.1	50.4	51.4	52.0	52.3	52.3	51.9	51.1	50.0
55.0 (114)	C	7,860	8,870	10,000	11,300	12,700	14,300	16,000	17,900	20,000
	P	1,400	1,440	1,490	1,540	1,590	1,650	1,710	1,780	1,840
	A	6.4	6.6	6.8	7.1	7.3	7.6	7.9	8.2	8.6
	M	105	118	134	151	170	192	216	242	271
	E	5.6	6.2	6.7	7.3	8.0	8.6	9.3	10.1	10.9
	%	46.9	47.7	48.2	48.4	48.3	47.9	47.1	46.0	44.5
40.0 (85)	C	8,420	9,460	10,600	12,000	13,500	15,100	17,000	19,000	21,200
	P	1,390	1,430	1,480	1,520	1,570	1,630	1,680	1,730	1,790
	A	6.2	6.4	6.6	6.9	7.1	7.4	7.7	7.9	8.2
	M	105	118	133	150	169	190	214	240	269
	E	6.0	6.6	7.2	7.8	8.6	9.3	10.1	11.0	11.9
	%	40.8	40.9	40.7	40.4	39.8	38.9	37.6	36.0	34.0

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