

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

ZF11K4E-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)	-7.0 (26)
140.0 (402)	C								
	P								
	A								
	M								
	E								
125.0 (331)	C	6,690	7,630	8,640	9,730	10,900	12,200	13,600	14,500
	P	3,110	3,150	3,200	3,250	3,320	3,380	3,460	3,500
	A	14.7	14.8	15.0	15.1	15.4	15.6	15.8	16.0
	M	139	159	180	204	229	257	288	308
	E	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.1
115.0 (290)	C	7,390	8,440	9,560	10,800	12,100	13,500	15,100	16,100
	P	2,800	2,840	2,880	2,930	2,990	3,060	3,140	3,180
	A	13.7	13.8	14.0	14.1	14.3	14.5	14.8	14.9
	M	141	161	183	207	233	262	293	314
	E	2.6	3.0	3.3	3.7	4.0	4.4	4.8	5.1
100.0 (235)	C	8,320	9,500	10,800	12,200	13,700	15,400	17,200	18,300
	P	2,380	2,420	2,470	2,520	2,580	2,650	2,720	2,770
	A	12.5	12.6	12.7	12.9	13.1	13.3	13.5	13.7
	M	142	163	185	209	236	266	298	319
	E	3.5	3.9	4.4	4.8	5.3	5.8	6.3	6.6
90.0 (202)	C	8,870	10,100	11,500	13,000	14,700	16,500	18,400	19,700
	P	2,140	2,180	2,230	2,280	2,340	2,420	2,500	2,550
	A	11.8	11.9	12.1	12.2	12.4	12.6	12.8	13.0
	M	142	163	185	210	237	267	300	321
	E	4.1	4.6	5.2	5.7	6.3	6.8	7.4	7.7
75.0 (160)	C	9,630	11,000	12,500	14,200	16,000	18,000	20,200	21,600
	P	1,830	1,880	1,920	1,980	2,050	2,130	2,210	2,270
	A	11.1	11.2	11.3	11.4	11.6	11.8	12.1	12.2
	M	142	162	185	210	237	267	301	322
	E	5.3	5.9	6.5	7.1	7.8	8.5	9.1	9.5
65.0 (136)	C	10,100	11,600	13,200	14,900	16,800	18,900	21,300	22,700
	P	1,660	1,700	1,760	1,820	1,890	1,970	2,060	2,120
	A	10.7	10.8	10.9	11.0	11.2	11.4	11.7	11.8
	M	141	162	184	209	237	267	301	322
	E	6.1	6.8	7.5	8.2	8.9	9.6	10.3	10.7
50.0 (104)	C	10,900	12,400	14,100	16,000	18,100	20,300	22,800	24,400
	P	1,440	1,490	1,550	1,620	1,700	1,800	1,900	1,960
	A	10.2	10.3	10.4	10.6	10.8	11.0	11.3	11.5
	M	141	162	184	209	237	267	301	323
	E	7.5	8.3	9.1	9.8	10.6	11.3	12.0	12.5
40.0 (85)	C	11,400	13,000	14,700	16,700	18,900	21,200	23,900	25,500
	P	1,320	1,380	1,450	1,520	1,610	1,710	1,820	1,890
	A	10.0	10.1	10.2	10.4	10.6	10.8	11.1	11.3
	M	142	162	184	209	237	267	301	323
	E	8.6	9.4	10.2	11.0	11.7	12.4	13.1	13.5
	%	58.2	58.3	57.7	56.5	54.5	52.0	48.9	46.8

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