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

ZF09K4E-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)	-5.0 (28)	0.0 (33)
140.0 (402)	C									11,100
	P									3,330
	A									15.0
	M									281
	E									3.3
	%									56.2
130.0 (354)	C	5,060	5,810	6,600	7,430	8,320	9,290	10,300	11,500	12,700
	P	2,770	2,780	2,790	2,810	2,840	2,880	2,920	2,970	3,030
	A	13.1	13.1	13.2	13.2	13.3	13.5	13.6	13.8	14.0
	M	110	127	145	163	184	206	230	256	286
	E	1.8	2.1	2.4	2.6	2.9	3.2	3.5	3.9	4.2
	%	39.9	43.4	46.5	49.3	51.8	54.0	56.0	57.7	59.3
115.0 (290)	C	5,930	6,780	7,700	8,680	9,730	10,900	12,100	13,500	15,000
	P	2,340	2,360	2,380	2,400	2,440	2,480	2,530	2,590	2,650
	A	11.8	11.8	11.9	12.0	12.1	12.2	12.4	12.5	12.7
	M	113	130	147	167	187	210	235	263	293
	E	2.5	2.9	3.2	3.6	4.0	4.4	4.8	5.2	5.6
	%	45.0	48.5	51.6	54.3	56.7	58.7	60.5	61.9	62.9
105.0 (252)	C	6,450	7,370	8,370	9,440	10,600	11,900	13,200	14,700	16,400
	P	2,100	2,120	2,140	2,170	2,210	2,260	2,310	2,370	2,440
	A	11.0	11.1	11.2	11.3	11.4	11.5	11.7	11.9	12.1
	M	114	131	149	168	189	212	238	266	297
	E	3.1	3.5	3.9	4.3	4.8	5.3	5.7	6.2	6.7
	%	48.1	51.6	54.6	57.2	59.4	61.2	62.7	63.7	64.4
90.0 (202)	C	7,160	8,190	9,300	10,500	11,800	13,200	14,800	16,500	18,400
	P	1,790	1,810	1,840	1,880	1,920	1,970	2,030	2,090	2,160
	A	10.2	10.2	10.3	10.4	10.6	10.7	10.9	11.1	11.3
	M	115	131	150	169	191	215	241	269	301
	E	4.0	4.5	5.1	5.6	6.2	6.7	7.3	7.9	8.5
	%	52.2	55.5	58.2	60.5	62.2	63.5	64.4	64.8	64.7
80.0 (173)	C	7,610	8,690	9,870	11,200	12,600	14,100	15,800	17,600	19,600
	P	1,610	1,640	1,670	1,710	1,760	1,810	1,870	1,940	2,010
	A	9.7	9.8	9.9	10.0	10.1	10.3	10.4	10.6	10.8
	M	115	132	150	170	192	216	242	271	303
	E	4.7	5.3	5.9	6.5	7.2	7.8	8.4	9.1	9.8
	%	54.5	57.4	59.8	61.7	63.1	63.9	64.3	64.1	63.4
65.0 (136)	C	8,240	9,410	10,700	12,100	13,600	15,300	17,200	19,200	21,400
	P	1,380	1,420	1,450	1,500	1,550	1,610	1,670	1,740	1,820
	A	9.2	9.3	9.4	9.5	9.6	9.8	9.9	10.1	10.3
	M	115	132	150	170	192	217	243	273	305
	E	5.9	6.6	7.4	8.1	8.8	9.5	10.3	11.0	11.8
	%	56.8	59.1	60.8	61.9	62.5	62.4	61.8	60.7	59.0
55.0 (114)	C	8,650	9,870	11,200	12,700	14,300	16,100	18,100	20,200	22,600
	P	1,260	1,290	1,330	1,380	1,430	1,490	1,560	1,630	1,710
	A	9.0	9.0	9.1	9.2	9.3	9.5	9.6	9.8	10.0
	M	115	132	150	170	192	217	244	274	306
	E	6.9	7.6	8.4	9.2	10.0	10.8	11.6	12.4	13.2
	%	57.5	59.2	60.3	60.8	60.6	59.9	58.5	56.6	54.2
40.0 (85)	C	9,260	10,500	12,000	13,600	15,300	17,300	19,400	21,700	24,300
	P	1,100	1,130	1,180	1,230	1,290	1,350	1,420	1,490	1,570
	A	8.7	8.7	8.8	8.9	9.0	9.2	9.3	9.5	9.7
	M	115	132	150	170	193	217	245	275	308
	E	8.4	9.3	10.2	11.0	11.9	12.8	13.7	14.6	15.5
	%	57.0	57.6	57.5	56.8	55.5	53.5	51.0	47.8	44.2

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