Rating Conditions

40 °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

CF12K6E-PFV

COPELAWELD® HFC-404A

COMPRESSOR

PFV 208/230-1-60

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

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

		-30.0 (10)	-25.0 (13)	-20.0 (16)	-15.0 (20)	-10.0 (24)	-5.0 (28)	0.0 (33)	5.0 (38)	10.0 (43)
140.0 (402)	C				7,040	8,350	9,750	11,200	12,900	14,600
	P				2,670	3,030	3,370	3,710	4,040	4,390
	A				13.7	15.1	16.5	17.9	19.4	21.0
	M				201	240	282	328	379	436
	E				2.6	2.8	2.9	3.0	3.2	3.3
	%				56.1	55.7	55.3	54.9	54.5	54.0
130.0 (354)	C			7,270	8,830	10,500	12,200	14,000	16,000	18,200
	P			2,490	2,840	3,170	3,480	3,790	4,090	4,400
	A			13.3	14.5	15.7	17.0	18.4	19.7	21.1
	M			181	221	264	310	359	414	474
	E			2.9	3.1	3.3	3.5	3.7	3.9	4.1
	%			54.9	55.2	55.5	55.6	55.6	55.4	55.1
120.0 (310)	C	5,500	7,180	8,920	10,700	12,700	14,700	16,900	19,300	21,800
	P	1,890	2,280	2,630	2,950	3,250	3,530	3,800	4,080	4,350
	A	11.8	12.8	13.8	14.9	16.1	17.2	18.4	19.6	20.8
	M	122	161	200	242	287	335	388	446	510
	E	2.9	3.2	3.4	3.6	3.9	4.2	4.4	4.7	5.0
	%	52.3	53.5	54.4	55.1	55.6	56.0	56.2	56.1	55.7
110.0 (270)	C	6,840	8,720	10,700	12,700	14,900	17,300	19,800	22,500	25,400
	P	2,030	2,390	2,710	3,000	3,270	3,520	3,760	4,000	4,250
	A	12.2	13.1	14.1	15.1	16.1	17.2	18.2	19.3	20.3
	M	139	178	219	262	309	359	414	474	540
	E	3.4	3.7	3.9	4.2	4.6	4.9	5.3	5.6	6.0
	%	52.4	53.6	54.5	55.3	55.9	56.3	56.5	56.4	56.0
100.0 (235)	C	8,270	10,300	12,500	14,800	17,200	19,800	22,600	25,600	28,900
	P	2,120	2,450	2,740	3,000	3,230	3,450	3,670	3,880	4,100
	A	12.4	13.2	14.1	15.0	16.0	16.9	17.8	18.7	19.6
	M	156	195	236	281	329	380	436	497	565
	E	3.9	4.2	4.6	4.9	5.3	5.7	6.2	6.6	7.0
	%	53.0	53.9	54.7	55.4	55.9	56.3	56.5	56.3	55.8
90.0 (202)	C	9,750	12,000	14,300	16,800	19,400	22,200	25,300	28,600	32,200
	P	2,160	2,460	2,720	2,950	3,150	3,340	3,520	3,700	3,890
	A	12.4	13.2	14.1	14.9	15.7	16.5	17.3	18.0	18.7
	M	171	210	252	297	345	398	455	515	585
	E	4.5	4.9	5.3	5.7	6.2	6.7	7.2	7.7	8.3
	%	53.6	54.1	54.7	55.3	55.8	56.1	56.2	55.9	55.1
80.0 (173)	C	11,200	13,500	16,000	18,700	21,500	24,600	27,900	31,400	35,300
	P	2,150	2,420	2,650	2,850	3,030	3,190	3,340	3,490	3,640
	A	12.5	13.2	13.9	14.7	15.4	16.1	16.7	17.2	17.7
	M	185	224	265	310	359	412	469	530	600
	E	5.2	5.6	6.0	6.5	7.1	7.7	8.4	9.0	9.7
	%	54.1	54.2	54.6	55.0	55.3	55.5	55.4	54.9	53.9
70.0 (147)	C	12,600	15,100	17,700	20,500	23,500	26,700	30,200	34,000	38,200
	P	2,110	2,350	2,550	2,720	2,860	2,990	3,110	3,230	3,350
	A	12.5	13.2	13.8	14.5	15.0	15.6	16.1	16.4	16.7
	M	196	235	276	321	369	422	480	545	610
	E	6.0	6.4	6.9	7.5	8.2	8.9	9.7	10.5	11.4
	%	54.2	54.0	54.0	54.2	54.4	54.4	54.1	53.3	52.1

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

© 2014 Emerson Climate Technologies, Inc.