Rating Conditions

65 °F Return Gas

0 F Subcooling

95 °F Ambient Air Over

60 Hz Operation

HIGH TEMPERATURE

Blue Area Restrictions: 40°F Max. Return Gas Temp.

RST97C1-PFV

COPELAWELD® HCFC-22

COMPRESSOR

PFV 208/230-1-60

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

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

Condensing Temperature °F (Sat. Dew Pt. Pressure, psig)		0.0 (24)	5.0 (28)	10.0 (33)	15.0 (38)	20.0 (43)	25.0 (49)	30.0 (55)	35.0 (62)	45.0 (76)	55.0 (93)
140.0 (337)	C				7,220	8,170	9,170	10,300	11,400	14,100	17,300
	P				1,470	1,530	1,600	1,650	1,710	1,810	1,900
	A				7.1	7.3	7.5	7.7	7.9	8.3	8.6
	M				117	133	150	169	189	237	295
	E				4.9	5.3	5.7	6.2	6.7	7.8	9.1
	%				56.4	57.3	58.0	58.6	59.0	59.7	59.8
130.0 (297)	C			7,040	7,980	8,980	10,100	11,200	12,500	15,400	18,900
	P			1,360	1,420	1,480	1,530	1,580	1,620	1,700	1,770
	A			6.7	6.9	7.1	7.3	7.5	7.6	7.9	8.1
	M			108	123	139	156	175	196	244	305
	E			5.2	5.6	6.1	6.6	7.1	7.7	9.1	10.7
	%			55.8	56.7	57.5	58.1	58.5	58.9	59.4	59.2
120.0 (260)	C		6,770	7,700	8,690	9,750	10,900	12,200	13,500	16,700	20,600
	P		1,250	1,310	1,360	1,410	1,450	1,490	1,530	1,590	1,630
	A		6.4	6.5	6.7	6.9	7.0	7.2	7.3	7.5	7.6
	M		98	112	127	143	161	180	202	252	314
	E		5.4	5.9	6.4	6.9	7.5	8.2	8.9	10.5	12.6
	%		54.8	55.7	56.5	57.1	57.6	58.0	58.3	58.6	58.1
110.0 (226)	C	6,430	7,350	8,320	9,360	10,500	11,700	13,100	14,600	18,100	22,200
	P	1,150	1,210	1,250	1,300	1,340	1,370	1,400	1,430	1,460	1,490
	A	6.1	6.2	6.4	6.5	6.6	6.7	6.8	6.9	7.1	7.1
	M	89	102	116	131	147	165	185	207	259	324
	E	5.6	6.1	6.6	7.2	7.9	8.6	9.4	10.2	12.3	14.9
	%	53.5	54.4	55.2	55.8	56.3	56.8	57.1	57.4	57.3	56.1
100.0 (196)	C	6,950	7,900	8,930	10,000	11,300	12,600	14,100	15,700	19,400	24,000
	P	1,110	1,150	1,190	1,230	1,260	1,280	1,300	1,320	1,340	1,350
	A	5.9	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.6	6.7
	M	92	105	119	134	151	170	190	213	267	334
	E	6.3	6.9	7.5	8.2	8.9	9.8	10.8	11.9	14.5	17.8
	%	52.9	53.7	54.3	54.8	55.2	55.6	55.8	55.9	55.3	53.1
90.0 (168)	C	7,470	8,460	9,550	10,700	12,000	13,500	15,100	16,800	20,900	25,800
	P	1,060	1,090	1,130	1,150	1,180	1,190	1,200	1,210	1,210	1,200
	A	5.8	5.9	6.0	6.0	6.1	6.2	6.2	6.2	6.2	6.2
	M	95	108	122	138	155	174	196	220	275	345
	E	7.1	7.7	8.5	9.3	10.3	11.3	12.5	13.9	17.3	21.6
	%	52.1	52.6	53.1	53.5	53.8	54.0	54.0	53.8	52.3	48.6
80.0 (144)	C	8,010	9,050	10,200	11,500	12,900	14,400	16,200	18,100	22,500	27,800
	P	1,000	1,030	1,060	1,080	1,090	1,100	1,100	1,100	1,080	1,040
	A	5.6	5.7	5.8	5.8	5.9	5.9	5.9	5.9	5.8	5.7
	M	98	111	126	142	160	180	202	227	285	356
	E	8.0	8.8	9.7	10.7	11.8	13.2	14.7	16.5	20.9	26.6
	%	50.9	51.2	51.5	51.8	51.9	51.8	51.5	50.8	47.8	41.6
70.0 (121)	C	8,590	9,700	10,900	12,300	13,800	15,500	17,400	19,400	24,200	29,900
	P	944	967	983	994	998	997	991	980	944	891
	A	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.3
	M	101	115	130	146	165	186	209	235	295	369
	E	9.1	10.0	11.1	12.4	13.8	15.5	17.5	19.8	25.6	33.6
	%	49.5	49.6	49.6	49.5	49.3	48.7	47.8	46.3	40.9	30.7

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