

### Rating Conditions

40 °F Return Gas  
 0 F Subcooling  
 95 °F Ambient Air Over

60 Hz Operation

### EXTENDED MEDIUM TEMPERATURE

HFCs Require Use of Polyol Ester  
 Lubricant Approved on Form 93-11

Refer AE-1298 for restrictions

### RST70C1E-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)

	-25.0 (13)	-15.0 (20)	-10.0 (24)	-5.0 (28)	0.0 (33)	5.0 (38)	10.0 (43)	15.0 (49)	20.0 (55)	25.0 (62)	30.0 (69)
140.0 (402) C P A M E %			2,010	2,460	2,930	3,430	3,960	4,510	5,090	5,700	6,330
			855	928	1,000	1,075	1,145	1,210	1,270	1,325	1,375
			4.9	5.2	5.4	5.7	5.9	6.2	6.4	6.6	6.8
			57.8	71.2	85.5	101	118	136	155	176	199
			2.4	2.7	3.0	3.2	3.5	3.8	4.0	4.3	4.6
			47.5	50.6	53.0	54.8	56.1	57.0	57.7	58.2	58.6
130.0 (354) C P A M E %		2,160	2,630	3,130	3,670	4,240	4,840	5,480	6,150	6,850	7,580
		806	872	939	1,005	1,070	1,130	1,190	1,245	1,290	1,330
		4.8	5.0	5.2	5.4	5.7	5.9	6.1	6.3	6.5	6.6
		54.1	66.3	79.5	94	109.5	126	144	163	184	207
		2.7	3.0	3.4	3.7	4.0	4.3	4.6	5.0	5.3	5.7
		47.6	50.6	53.0	54.7	56.0	56.9	57.5	58.0	58.2	58.3
120.0 (310) C P A M E %	1,770	2,680	3,200	3,760	4,360	5,000	5,680	6,390	7,150	7,940	8,770
	701	816	876	935	994	1,050	1,105	1,155	1,200	1,240	1,275
	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.1	6.3	6.4
	39.5	60.6	72.6	86	100	115.5	132.5	150	170	191	213
	2.5	3.3	3.7	4.0	4.4	4.8	5.2	5.6	6.0	6.4	6.9
	42.8	49.8	52.2	54.0	55.4	56.4	57.1	57.5	57.7	57.8	57.8
110.0 (270) C P A M E %	2,190	3,180	3,750	4,360	5,010	5,720	6,460	7,260	8,090	8,980	9,900
	712	814	868	921	973	1,025	1,070	1,110	1,150	1,180	1,205
	4.6	4.8	5.0	5.1	5.3	5.5	5.6	5.8	5.9	6.1	6.1
	44.7	65.5	77.5	90.5	105	120.5	137	155	175	196	218
	3.1	3.9	4.3	4.8	5.2	5.6	6.1	6.5	7.1	7.6	8.2
	45.1	50.8	52.8	54.3	55.4	56.2	56.6	56.9	57.0	56.9	56.7
100.0 (235) C P A M E %	2,590	3,650	4,260	4,920	5,630	6,400	7,210	8,080	9,000	9,970	11,000
	714	805	852	898	944	987	1,025	1,060	1,090	1,115	1,130
	4.5	4.8	4.9	5.0	5.2	5.3	5.5	5.6	5.7	5.8	5.8
	48.9	69.5	81.5	94.5	109	124.5	141	159	179	200	223
	3.7	4.6	5.0	5.5	6.0	6.5	7.1	7.6	8.3	9.0	9.8
	46.3	51.0	52.7	53.9	54.8	55.4	55.7	55.8	55.7	55.5	55.1
90.0 (202) C P A M E %	2,980	4,100	4,750	5,460	6,230	7,050	7,930	8,870	9,870	10,900	12,050
	710	789	830	870	909	945	978	1,005	1,030	1,045	1,050
	4.5	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.5	5.5	5.5
	52.4	72.7	84.5	97.5	112	127.5	144.5	162	182	203	226
	4.2	5.2	5.8	6.3	6.9	7.5	8.1	8.8	9.6	10.5	11.5
	46.7	50.6	51.9	52.9	53.6	54.0	54.1	54.0	53.7	53.2	52.6
80.0 (173) C P A M E %	3,360	4,540	5,230	5,980	6,800	7,680	8,620	9,630	10,700	11,850	13,050
	703	771	806	840	873	902	928	948	963	970	970
	4.5	4.6	4.7	4.8	5.0	5.1	5.2	5.2	5.3	5.3	5.3
	55.4	75.5	87.5	100.5	114.5	130	147	165	185	206	229
	4.8	5.9	6.5	7.1	7.8	8.5	9.3	10.2	11.1	12.2	13.5
	46.2	49.4	50.5	51.2	51.7	51.8	51.7	51.4	50.8	50.0	49.0
70.0 (147) C P A M E %	3,730	4,970	5,690	6,490	7,350	8,290	9,290	10,350	11,500	12,700	14,000
	697	754	783	811	837	860	879	892	899	899	891
	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.1	5.1	5.1	5.0
	58.1	78	89.5	102.5	116.5	132	149	167	187	208	231
	5.4	6.6	7.3	8.0	8.8	9.7	10.6	11.6	12.8	14.2	15.7
	45.0	47.5	48.3	48.7	48.9	48.8	48.4	47.7	46.8	45.5	44.0

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