

### 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

### RST97C1E-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 %			2,970	3,480	4,050	4,670	5,340	6,030	6,760	7,510	8,270
			1,145	1,240	1,335	1,430	1,525	1,615	1,700	1,775	1,850
			5.5	5.9	6.3	6.7	7.0	7.4	7.8	8.1	8.4
			85.5	101	118.5	138	159	182	206	232	260
			2.6	2.8	3.1	3.3	3.5	3.8	4.0	4.3	4.5
			52.4	53.8	55.0	56.0	56.7	57.1	57.3	57.3	57.0
130.0 (354) C P A M E %		3,100	3,650	4,270	4,950	5,680	6,460	7,280	8,130	9,010	9,900
		1,065	1,150	1,240	1,325	1,415	1,495	1,575	1,650	1,715	1,775
		5.2	5.5	5.9	6.2	6.6	6.9	7.3	7.6	7.9	8.1
		77.5	92	108.5	126.5	146.5	168	191	216	242	270
		2.9	3.2	3.5	3.8	4.0	4.3	4.6	5.0	5.3	5.6
		51.7	53.3	54.8	55.9	56.8	57.4	57.8	57.8	57.6	57.2
120.0 (310) C P A M E %	2,680	3,730	4,370	5,080	5,860	6,690	7,580	8,500	9,460	10,450	11,450
	919	1,070	1,150	1,230	1,305	1,385	1,455	1,525	1,590	1,645	1,690
	4.7	5.2	5.5	5.9	6.2	6.5	6.8	7.1	7.3	7.6	7.8
	59.9	84	99	116	134.5	155	177	200	225	251	279
	2.9	3.5	3.8	4.2	4.5	4.9	5.2	5.6	6.0	6.4	6.8
	49.4	52.7	54.3	55.6	56.6	57.4	57.8	58.0	57.8	57.5	56.9
110.0 (270) C P A M E %	3,180	4,380	5,100	5,890	6,750	7,670	8,650	9,670	10,750	11,800	12,950
	929	1,065	1,140	1,210	1,280	1,345	1,410	1,465	1,520	1,560	1,595
	4.7	5.2	5.5	5.8	6.1	6.3	6.6	6.8	7.1	7.2	7.4
	65	90	105.5	122.5	141.5	162	184	207	232	258	285
	3.5	4.1	4.5	4.9	5.3	5.7	6.2	6.6	7.1	7.6	8.1
	50.3	53.4	54.8	55.9	56.8	57.3	57.5	57.5	57.2	56.7	56.0
100.0 (235) C P A M E %	3,700	5,020	5,800	6,670	7,600	8,600	9,650	10,750	11,900	13,100	14,300
	930	1,055	1,115	1,180	1,240	1,300	1,350	1,400	1,440	1,470	1,495
	4.7	5.2	5.4	5.7	5.9	6.1	6.4	6.6	6.7	6.8	6.9
	69.9	95.5	111	128	147	167	189	212	237	263	290
	4.0	4.8	5.2	5.7	6.1	6.6	7.2	7.7	8.3	8.9	9.6
	50.8	53.5	54.7	55.6	56.2	56.5	56.5	56.3	55.8	55.1	54.2
90.0 (202) C P A M E %	4,210	5,620	6,460	7,380	8,370	9,440	10,550	11,750	12,950	14,250	15,500
	922	1,030	1,090	1,145	1,195	1,245	1,285	1,325	1,355	1,375	1,385
	4.7	5.1	5.3	5.5	5.7	5.9	6.1	6.2	6.4	6.4	6.4
	74.1	99.5	115	132	151	171	192	215	239	265	292
	4.6	5.5	6.0	6.5	7.0	7.6	8.2	8.9	9.6	10.4	11.2
	50.8	53.0	53.8	54.5	54.8	54.9	54.7	54.3	53.6	52.6	51.5
80.0 (173) C P A M E %	4,680	6,160	7,040	8,010	9,050	10,150	11,350	12,600	13,850	15,200	16,550
	905	1,000	1,050	1,095	1,140	1,180	1,215	1,240	1,260	1,270	1,265
	4.6	5.0	5.2	5.3	5.5	5.7	5.8	5.9	6.0	6.0	5.9
	77.5	102.5	117.5	134	152	172	193	216	239	265	291
	5.2	6.2	6.7	7.3	8.0	8.6	9.4	10.2	11.0	12.0	13.1
	50.1	51.6	52.2	52.5	52.6	52.5	52.0	51.3	50.4	49.2	47.8
70.0 (147) C P A M E %	5,080	6,610	7,520	8,520	9,600	10,750	12,000	13,250	14,600	16,000	17,400
	880	963	1,005	1,040	1,075	1,105	1,130	1,150	1,155	1,155	1,140
	4.5	4.8	5.0	5.1	5.3	5.4	5.5	5.5	5.5	5.5	5.4
	79	103.5	118.5	134.5	152	172	192	214	237	262	287
	5.8	6.9	7.5	8.2	8.9	9.7	10.6	11.6	12.7	13.9	15.3
	48.5	49.4	49.7	49.8	49.6	49.1	48.4	47.4	46.2	44.6	42.8

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