

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

RST80C1E-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 %			2,670	3,060	3,510	4,010	4,570	5,190	5,850	6,580	7,360
			1,020	1,100	1,180	1,260	1,340	1,415	1,485	1,560	1,625
			5.4	5.7	6.0	6.4	6.7	7.0	7.3	7.6	7.9
			76.5	88.5	102.5	118.5	136	156	179	203	231
			2.6	2.8	3.0	3.2	3.4	3.7	4.0	4.2	4.5
			52.8	53.2	53.8	54.6	55.3	56.1	56.7	57.2	57.6
130.0 (354) C P A M E %		2,760	3,210	3,710	4,270	4,890	5,560	6,290	7,070	7,900	8,790
		955	1,030	1,105	1,175	1,245	1,315	1,380	1,440	1,505	1,560
		5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.1	7.4	7.6
		69.3	81	94.5	109.5	126	144.5	165	188	213	240
		2.9	3.1	3.4	3.7	4.0	4.3	4.6	4.9	5.3	5.7
		51.4	52.4	53.5	54.5	55.5	56.3	57.0	57.4	57.7	57.7
120.0 (310) C P A M E %	2,350	3,270	3,820	4,420	5,070	5,780	6,550	7,370	8,250	9,190	10,200
	823	961	1,030	1,095	1,155	1,220	1,280	1,335	1,390	1,440	1,490
	4.6	5.1	5.4	5.6	5.9	6.2	6.4	6.7	6.9	7.1	7.3
	52.5	73.8	86.5	100.5	116.5	134	153	173	196	221	247
	2.9	3.4	3.7	4.1	4.4	4.8	5.2	5.6	6.0	6.4	6.9
	48.4	51.5	52.9	54.2	55.4	56.3	57.0	57.5	57.7	57.7	57.4
110.0 (270) C P A M E %	2,750	3,830	4,450	5,140	5,870	6,670	7,520	8,420	9,380	10,400	11,450
	833	958	1,020	1,075	1,130	1,185	1,235	1,280	1,325	1,370	1,405
	4.6	5.1	5.3	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0
	56.1	79	92	107	123	140.5	160	180	203	227	253
	3.3	4.0	4.4	4.8	5.2	5.7	6.1	6.6	7.1	7.6	8.2
	48.3	52.0	53.5	54.8	55.8	56.6	57.1	57.3	57.3	56.9	56.3
100.0 (235) C P A M E %	3,190	4,400	5,100	5,840	6,650	7,510	8,430	9,400	10,450	11,500	12,650
	835	946	999	1,050	1,095	1,140	1,185	1,220	1,255	1,290	1,315
	4.7	5.1	5.3	5.5	5.6	5.8	6.0	6.2	6.3	6.5	6.6
	60.3	84	97.5	112.5	128.5	146	165	185	207	231	256
	3.8	4.7	5.1	5.6	6.1	6.6	7.1	7.7	8.3	9.0	9.6
	48.8	52.3	53.7	54.8	55.6	56.2	56.4	56.4	56.0	55.4	54.4
90.0 (202) C P A M E %	3,650	4,970	5,710	6,510	7,370	8,280	9,250	10,250	11,350	12,500	13,700
	829	927	972	1,015	1,055	1,090	1,125	1,155	1,180	1,200	1,220
	4.6	5.0	5.2	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.2
	64.3	88	101.5	116.5	132.5	149.5	168	188	210	232	257
	4.4	5.4	5.9	6.4	7.0	7.6	8.3	8.9	9.6	10.4	11.2
	49.1	52.2	53.3	54.1	54.7	54.9	54.8	54.5	53.8	52.8	51.5
80.0 (173) C P A M E %	4,110	5,490	6,270	7,110	8,000	8,950	9,960	11,000	12,150	13,300	14,550
	815	900	939	974	1,005	1,035	1,060	1,080	1,100	1,110	1,120
	4.6	4.9	5.0	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.7
	67.8	91.5	104.5	119	135	152	170	189	210	232	255
	5.1	6.1	6.7	7.3	8.0	8.7	9.4	10.2	11.1	12.0	13.0
	48.8	51.2	52.0	52.5	52.7	52.7	52.3	51.6	50.5	49.2	47.5
70.0 (147) C P A M E %	4,520	5,950	6,750	7,600	8,520	9,490	10,500	11,600	12,750	13,950	15,200
	795	868	899	927	952	973	989	1,000	1,010	1,015	1,010
	4.6	4.8	4.9	5.0	5.1	5.1	5.2	5.2	5.3	5.3	5.3
	70.4	93	106	120	135	151	169	187	207	228	251
	5.7	6.9	7.5	8.2	9.0	9.8	10.7	11.6	12.6	13.8	15.0
	47.8	49.4	49.8	49.9	49.8	49.4	48.6	47.5	46.1	44.3	42.1

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