

Rating Conditions

65 °F Return Gas
 0 F Subcooling
 95 °F Ambient Air Over
 60 Hz Operation

HIGH TEMPERATURE

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

RRT81C1E-PFV

COPELAWELD® HFC-134A
 COMPRESSOR
 PFV 208/230-1-60

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

	-10.0 (2)	0.0 (7)	5.0 (9)	10.0 (12)	15.0 (15)	20.0 (18)	25.0 (22)	30.0 (26)	35.0 (30)	40.0 (35)	45.0 (40)	55.0 (51)
140.0 (229) C P A M E %					3,350	4,010	4,770	5,610	6,500	7,410	8,310	9,970
					700	762	830	900	968	1,030	1,080	1,140
					3.1	3.4	3.6	3.9	4.2	4.5	4.7	4.8
					60.3	72.4	86.5	102	119	136.5	154	187
					4.8	5.3	5.8	6.3	6.7	7.2	7.7	8.8
					54.7	56.5	58.0	59.0	59.5	59.5	59.2	57.9
130.0 (199) C P A M E %				3,250	3,890	4,640	5,480	6,380	7,300	8,230	9,130	10,700
				635	689	749	813	875	932	980	1,015	1,030
				2.8	3.1	3.3	3.6	3.8	4.1	4.3	4.4	4.4
				54.5	65.4	78.5	93	108.5	125	141.5	158	188
				5.1	5.7	6.2	6.8	7.3	7.9	8.4	9.0	10.5
			54.5	56.4	58.0	59.1	59.6	59.7	59.7	59.4	58.9	57.9
120.0 (171) C P A M E %			3,160	3,770	4,490	5,320	6,210	7,140	8,080	9,000	9,870	11,350
			585	631	685	742	799	851	895	927	942	906
			2.6	2.8	3.0	3.3	3.5	3.7	3.9	4.0	4.1	3.9
			49.8	59.5	71.2	84.5	99	114.5	130	145.5	160	187
			5.4	6.0	6.6	7.2	7.8	8.4	9.0	9.7	10.5	12.6
		53.9	55.7	57.3	58.4	59.0	59.1	59.1	58.8	58.4	57.9	57.7
110.0 (146) C P A M E %		3,100	3,650	4,340	5,130	6,000	6,920	7,860	8,790	9,680	10,500	11,800
		548	586	632	683	734	782	822	850	863	856	767
		2.5	2.6	2.8	3.0	3.3	3.5	3.6	3.7	3.8	3.8	3.4
		46	54.4	64.8	77	90	104.5	119	133.5	147.5	161	184
		5.7	6.3	6.9	7.5	8.2	8.9	9.6	10.4	11.2	12.3	15.4
	52.9	54.5	56.0	57.0	57.6	57.7	57.5	57.5	57.1	56.7	56.4	57.7
100.0 (124) C P A M E %	2,740	3,540	4,170	4,920	5,750	6,650	7,570	8,490	9,380	10,200	10,950	12,100
	501	547	586	631	677	720	756	782	792	784	753	605
	2.3	2.5	2.6	2.8	3.0	3.2	3.4	3.5	3.5	3.5	3.3	2.7
	38.4	49.9	59	69.7	82	95	108.5	122	135	148	160	178
	5.5	6.5	7.1	7.8	8.5	9.3	10.0	10.9	11.9	13.1	14.6	20.0
51.4	53.0	54.3	55.2	55.7	55.8	55.6	55.2	55.2	54.8	54.5	54.8	59.0
90.0 (104) C P A M E %	3,020	3,990	4,680	5,470	6,320	7,210	8,110	9,000	9,830	10,600	11,250	12,100
	490	544	582	622	661	693	716	724	714	683	625	414
	2.3	2.5	2.6	2.8	3.0	3.1	3.2	3.2	3.2	3.0	2.8	1.9
	40.5	53.7	63.1	73.8	85.5	98	110.5	123	135	146	155	169
	6.2	7.4	8.1	8.8	9.6	10.4	11.4	12.4	13.8	15.5	18.0	29.2
51.0	52.5	53.2	53.6	53.6	53.3	52.9	52.4	52.1	52.3	53.5	65.0	
80.0 (87) C P A M E %	3,330	4,420	5,150	5,940	6,790	7,660	8,510	9,330	10,050	10,750	11,250	11,800
	474	531	566	600	629	648	654	643	611	554	467	188
	2.2	2.4	2.6	2.7	2.8	2.9	2.9	2.9	2.7	2.5	2.1	1.0
	42.6	56.8	66.2	76.5	88	99.5	110.5	121.5	132	141	148.5	158
	7.0	8.4	9.1	9.9	10.8	11.8	13.0	14.5	16.5	19.4	24.1	62.7
50.7	51.4	51.5	51.3	50.9	50.4	49.8	49.5	49.6	50.8	54.3	96.8	
70.0 (71) C P A M E %	3,610	4,780	5,510	6,300	7,120	7,930	8,720	9,440	10,100	10,600	11,000	11,200
	448	504	533	558	574	578	566	534	476	391	272	-78.4
	2.1	2.3	2.4	2.5	2.6	2.6	2.5	2.4	2.2	1.8	1.3	-0.2
	44.3	58.9	68	78	88	98.5	108.5	118	126.5	133.5	139	143
	8.1	9.5	10.4	11.3	12.4	13.7	15.4	17.7	21.2	27.2	40.4	-142.6
50.4	49.9	49.5	48.8	48.1	47.4	47.0	47.1	48.3	52.1	63.2	-128.7	

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