

Rating Conditions

40 °F Return Gas
 0 F Subcooling
 95 °F Ambient Air Over
 60 Hz Operation

LOW TEMPERATURE

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

RFT42C1E-PFA

COPELAWELD® HFC-404A
 COMPRESSOR
 PFA 115-1-60

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

	-30.0 (10)	-25.0 (13)	-20.0 (16)	-15.0 (20)	-10.0 (24)	-5.0 (28)	0.0 (33)	5.0 (38)	10.0 (43)
140.0 (402) C P A M E %				2,530	2,940	3,390	3,870	4,390	4,950
				1,105	1,205	1,305	1,405	1,505	1,610
				10.1	11.0	11.8	12.7	13.6	14.5
				72	85	98	113	129	147
				2.3	2.5	2.6	2.8	2.9	3.1
			48.8	49.4	49.8	50.0	50.0	49.8	
130.0 (354) C P A M E %			2,610	3,050	3,520	4,040	4,590	5,190	5,840
			1,010	1,100	1,190	1,285	1,375	1,470	1,565
			9.3	10.1	10.9	11.6	12.4	13.2	14.0
			65	77	89	103	117	134	152
			2.6	2.8	3.0	3.2	3.4	3.6	3.8
		48.6	49.2	49.7	49.9	50.0	49.9	49.6	
120.0 (310) C P A M E %	2,220	2,630	3,080	3,570	4,110	4,690	5,320	6,000	6,730
	841	925	1,010	1,090	1,175	1,255	1,340	1,430	1,515
	7.8	8.6	9.3	10.0	10.7	11.4	12.1	12.8	13.6
	49	59	69	81	93	107	122	139	157
	2.7	2.9	3.1	3.3	3.5	3.8	4.0	4.2	4.5
47.2	48.3	49.1	49.6	50.0	50.1	50.1	49.8	49.4	
110.0 (270) C P A M E %	2,590	3,050	3,550	4,090	4,690	5,340	6,040	6,800	7,620
	845	921	997	1,070	1,150	1,225	1,300	1,380	1,460
	7.9	8.5	9.2	9.8	10.4	11.1	11.7	12.4	13.1
	53	62	73	84	97	111	126	143	162
	3.1	3.3	3.6	3.8	4.1	4.4	4.7	5.0	5.2
47.6	48.5	49.2	49.7	49.9	50.0	49.9	49.5	49.0	
100.0 (235) C P A M E %	2,940	3,440	3,990	4,590	5,250	5,970	6,750	7,590	8,500
	843	912	980	1,050	1,115	1,185	1,255	1,325	1,400
	7.8	8.4	9.0	9.6	10.1	10.7	11.3	11.9	12.5
	55	65	76	87	100	115	130	147	166
	3.5	3.8	4.1	4.4	4.7	5.1	5.4	5.7	6.1
47.4	48.2	48.8	49.3	49.5	49.5	49.3	48.8	48.1	
90.0 (202) C P A M E %	3,270	3,810	4,410	5,070	5,790	6,570	7,420	8,350	9,350
	834	896	958	1,020	1,080	1,140	1,205	1,270	1,330
	7.8	8.3	8.8	9.3	9.8	10.3	10.9	11.4	12.0
	57	67	78	90	103	118	133	151	170
	3.9	4.3	4.6	5.0	5.4	5.8	6.2	6.6	7.0
46.5	47.3	47.9	48.4	48.6	48.5	48.2	47.6	46.8	
80.0 (173) C P A M E %	3,560	4,140	4,790	5,500	6,280	7,140	8,070	9,070	10,150
	821	876	931	985	1,040	1,095	1,150	1,205	1,260
	7.6	8.1	8.6	9.0	9.5	9.9	10.4	10.9	11.4
	59	68	79	91	105	120	136	154	173
	4.4	4.8	5.2	5.6	6.1	6.5	7.0	7.6	8.1
45.0	45.8	46.4	46.9	47.0	46.9	46.5	45.8	44.8	
70.0 (147) C P A M E %	3,790	4,420	5,120	5,890	6,730	7,650	8,660	9,750	10,900
	803	852	900	948	995	1,045	1,090	1,140	1,190
	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.4	10.8
	59	69	80	92	106	121	137	155	175
	4.7	5.2	5.7	6.2	6.8	7.4	8.0	8.6	9.2
42.7	43.6	44.3	44.7	44.9	44.7	44.2	43.3	42.0	

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 @ 115 V