

### 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-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)

	-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 %				2,480	2,850	3,250	3,680	4,140	4,640
				1,120	1,205	1,285	1,370	1,455	1,545
				5.2	5.6	5.9	6.3	6.7	7.1
				71	82	94	107.5	122	138
				2.2	2.4	2.5	2.7	2.9	3.0
			47.2	47.8	48.3	48.6	48.7	48.7	
130.0 (354) C P A M E %			2,600	3,020	3,480	3,980	4,510	5,090	5,710
			1,040	1,115	1,195	1,275	1,355	1,435	1,515
			4.8	5.1	5.5	5.9	6.2	6.6	6.9
			65	76	88	101	115.5	131.5	148.5
			2.5	2.7	2.9	3.2	3.4	3.6	3.8
		47.0	48.2	49.0	49.6	50.0	50.1	50.1	
120.0 (310) C P A M E %	2,180	2,590	3,050	3,550	4,100	4,690	5,320	6,000	6,730
	892	961	1,030	1,105	1,180	1,255	1,330	1,405	1,480
	4.1	4.4	4.8	5.1	5.4	5.8	6.1	6.4	6.8
	48.5	58	68.5	80	93	107	122	138.5	157
	2.5	2.7	3.0	3.2	3.5	3.8	4.0	4.3	4.6
43.8	45.8	47.4	48.6	49.6	50.2	50.6	50.7	50.6	
110.0 (270) C P A M E %	2,500	2,970	3,500	4,070	4,700	5,370	6,100	6,870	7,710
	888	954	1,020	1,090	1,160	1,230	1,300	1,370	1,435
	4.1	4.4	4.7	5.0	5.3	5.6	6.0	6.3	6.6
	50.8	60.7	71.8	84	97	112	127.5	145	164
	2.8	3.1	3.4	3.8	4.1	4.4	4.7	5.1	5.4
43.7	45.7	47.3	48.6	49.5	50.2	50.5	50.5	50.3	
100.0 (235) C P A M E %	2,830	3,360	3,940	4,590	5,280	6,040	6,850	7,720	8,650
	882	944	1,005	1,070	1,135	1,200	1,260	1,325	1,385
	4.1	4.4	4.7	4.9	5.2	5.5	5.8	6.1	6.4
	53.2	63.4	74.8	87.5	101	116	132.5	150	169
	3.2	3.6	3.9	4.3	4.7	5.1	5.5	5.8	6.3
43.5	45.4	47.0	48.2	49.0	49.5	49.8	49.7	49.4	
90.0 (202) C P A M E %	3,170	3,750	4,390	5,090	5,860	6,680	7,570	8,530	9,550
	872	930	989	1,045	1,105	1,165	1,220	1,275	1,330
	4.1	4.3	4.6	4.8	5.1	5.3	5.6	5.8	6.1
	55.7	66.1	77.5	90.5	104.5	119.5	136	154	174
	3.7	4.1	4.5	4.9	5.3	5.8	6.2	6.7	7.2
43.2	44.9	46.3	47.3	48.0	48.5	48.5	48.3	47.8	
80.0 (173) C P A M E %	3,540	4,160	4,850	5,600	6,420	7,320	8,280	9,310	10,400
	860	913	966	1,020	1,070	1,125	1,175	1,220	1,270
	4.0	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.8
	58.2	68.7	80.5	93	107	122.5	139.5	158	177
	4.1	4.6	5.0	5.5	6.0	6.5	7.1	7.6	8.2
42.7	44.1	45.3	46.1	46.7	46.9	46.8	46.4	45.7	
70.0 (147) C P A M E %	3,920	4,580	5,300	6,110	6,980	7,940	8,960	10,050	11,250
	845	893	940	987	1,035	1,080	1,120	1,160	1,200
	4.0	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5
	60.9	71.3	83	95.5	110	125.5	142.5	161	180
	4.7	5.1	5.7	6.2	6.8	7.4	8.0	8.7	9.4
42.0	43.1	44.0	44.6	44.9	44.9	44.5	43.9	42.9	

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