

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

RST55C1E-CAV

COPELAWELD® HFC-404A
 COMPRESSOR
 CAV 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 %			1,735	1,980	2,270	2,600	2,960	3,360	3,790	4,260	4,760
			762	810	859	909	959	1,010	1,060	1,110	1,155
			3.6	3.9	4.1	4.3	4.6	4.8	5.1	5.3	5.5
			49.9	57.4	66.3	76.5	88	101	115.5	132	149.5
			2.3	2.5	2.7	2.9	3.1	3.4	3.6	3.9	4.2
			46.0	46.9	47.9	48.9	49.9	50.8	51.6	52.1	52.6
130.0 (354) C P A M E %		1,800	2,060	2,370	2,720	3,110	3,550	4,020	4,530	5,070	5,650
		718	763	809	857	906	955	1,005	1,055	1,100	1,145
		3.4	3.6	3.8	4.0	4.3	4.5	4.7	5.0	5.2	5.4
		45.2	52.1	60.2	69.6	80.5	92	105.5	120	136.5	154
		2.5	2.7	3.0	3.2	3.5	3.7	4.0	4.3	4.6	5.0
	44.6	45.5	46.6	47.6	48.6	49.3	49.9	50.3	50.5	50.5	
120.0 (310) C P A M E %	1,645	2,130	2,450	2,820	3,230	3,680	4,180	4,720	5,300	5,920	6,580
	632	706	747	791	837	884	931	979	1,025	1,070	1,115
	3.0	3.3	3.5	3.7	3.9	4.1	4.4	4.6	4.8	5.0	5.2
	36.8	48.1	55.6	64.2	74.1	85	97.5	111	126	142	160
	2.6	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.2	5.5	5.9
44.1	45.7	46.8	47.8	48.7	49.4	49.9	50.1	50.1	49.9	49.4	
110.0 (270) C P A M E %	1,920	2,500	2,870	3,290	3,760	4,280	4,840	5,450	6,100	6,790	7,520
	612	679	717	757	800	843	888	933	977	1,020	1,065
	2.9	3.2	3.4	3.5	3.7	3.9	4.2	4.4	4.6	4.8	5.0
	39.2	51.6	59.5	68.5	78.5	90	102.5	116.5	131.5	148	166
	3.2	3.7	4.0	4.4	4.7	5.1	5.5	5.9	6.3	6.7	7.1
46.0	48.0	49.0	49.9	50.6	51.0	51.1	50.9	50.5	49.8	48.9	
100.0 (235) C P A M E %	2,220	2,890	3,310	3,780	4,300	4,880	5,500	6,170	6,890	7,650	8,460
	581	638	671	708	746	785	826	867	908	948	987
	2.7	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7
	41.9	55	63.3	72.6	83	95	107.5	121.5	137	153	171
	3.8	4.6	5.0	5.4	5.8	6.2	6.7	7.1	7.6	8.1	8.6
48.7	51.0	51.9	52.6	53.0	53.0	52.7	52.1	51.2	50.0	48.5	
90.0 (202) C P A M E %	2,510	3,270	3,740	4,260	4,830	5,460	6,140	6,880	7,660	8,490	9,360
	539	584	612	643	676	711	747	783	819	855	889
	2.6	2.8	2.9	3.1	3.3	3.4	3.6	3.8	4.0	4.2	4.4
	44.2	58	66.5	76	87	98.5	111.5	126	141.5	158	176
	4.7	5.6	6.1	6.6	7.2	7.7	8.3	8.8	9.4	10.0	10.6
51.9	54.5	55.3	55.8	55.9	55.6	54.8	53.7	52.3	50.5	48.4	
80.0 (173) C P A M E %	2,790	3,620	4,130	4,700	5,330	6,010	6,740	7,540	8,380	9,270	10,200
	486	519	540	565	592	620	650	681	711	741	770
	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.5	3.7	3.8	4.0
	46	60.3	69	79	89.5	101.5	115	129	144.5	161	179
	5.8	7.0	7.7	8.4	9.0	9.7	10.4	11.1	11.8	12.5	13.3
55.5	58.7	59.6	59.9	59.7	59.0	57.7	56.0	53.8	51.3	48.4	
70.0 (147) C P A M E %	3,020	3,930	4,480	5,090	5,760	6,490	7,280	8,130	9,030	9,990	11,000
	424	441	456	473	493	514	537	561	585	609	632
	2.1	2.3	2.4	2.5	2.6	2.8	2.9	3.1	3.3	3.4	3.6
	47	61.6	70.5	80.5	91.5	103.5	117	131	146.5	163	181
	7.1	8.9	9.9	10.8	11.7	12.7	13.6	14.5	15.5	16.4	17.4
59.8	64.1	65.2	65.6	65.1	63.9	62.0	59.5	56.4	52.8	48.8	

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