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

RST45C1E-CAA

COPELAWELD® HFC-404A

COMPRESSOR

CAA 115-1-60

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			1,290	1,530	1,800	2,080	2,380	2,710	3,050	3,410	3,790
	P			561	620	677	732	787	840	893	944	994
	A			5.6	6.1	6.6	7.1	7.6	8.1	8.5	9.0	9.5
	M			37	44	52	61	71	81	93	105	119
	E			2.3	2.5	2.7	2.8	3.0	3.2	3.4	3.6	3.8
	%			46.4	47.3	48.1	48.7	49.0	49.2	49.2	49.0	48.6
130.0 (354)	C		1,310	1,570	1,850	2,160	2,490	2,850	3,230	3,630	4,060	4,510
	P		520	573	625	675	724	772	819	864	908	951
	A		5.2	5.6	6.1	6.5	6.9	7.3	7.8	8.2	8.6	9.0
	M		33	40	47	55	64	74	85	96	109	123
	E		2.5	2.7	3.0	3.2	3.4	3.7	3.9	4.2	4.5	4.7
	%		44.8	46.1	47.2	48.0	48.6	49.1	49.3	49.2	49.0	48.6
120.0 (310)	C	1,100	1,600	1,890	2,210	2,570	2,940	3,350	3,790	4,250	4,740	5,260
	P	430	528	575	621	665	708	750	791	830	868	904
	A	4.4	5.2	5.6	6.0	6.4	6.7	7.1	7.5	7.8	8.2	8.5
	M	24	36	43	51	59	68	78	89	101	114	128
	E	2.5	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.5	5.8
	%	43.2	45.8	46.9	47.9	48.7	49.3	49.7	49.8	49.7	49.4	48.8
110.0 (270)	C	1,350	1,900	2,230	2,590	2,980	3,410	3,870	4,360	4,880	5,440	6,020
	P	440	528	570	610	649	687	723	758	791	824	855
	A	4.5	5.2	5.6	5.9	6.2	6.5	6.9	7.2	7.5	7.8	8.0
	M	28	39	46	54	62	72	82	93	105	119	133
	E	3.1	3.6	3.9	4.2	4.6	5.0	5.4	5.8	6.2	6.6	7.0
	%	44.9	46.9	47.9	48.8	49.4	49.9	50.2	50.2	49.9	49.4	48.6
100.0 (235)	C	1,600	2,210	2,570	2,970	3,400	3,870	4,380	4,920	5,500	6,120	6,780
	P	442	521	558	594	628	661	692	722	751	778	804
	A	4.6	5.2	5.5	5.8	6.1	6.3	6.6	6.9	7.1	7.4	7.6
	M	30	42	49	57	66	75	86	97	109	123	137
	E	3.6	4.2	4.6	5.0	5.4	5.9	6.3	6.8	7.3	7.9	8.4
	%	46.1	47.7	48.5	49.2	49.7	50.0	50.1	49.9	49.5	48.7	47.7
90.0 (202)	C	1,820	2,490	2,880	3,320	3,790	4,310	4,860	5,460	6,100	6,780	7,500
	P	438	508	542	573	603	632	660	685	710	733	755
	A	4.5	5.1	5.4	5.6	5.9	6.1	6.4	6.6	6.8	7.0	7.2
	M	32	44	51	59	68	78	88	100	113	126	141
	E	4.2	4.9	5.3	5.8	6.3	6.8	7.4	8.0	8.6	9.2	9.9
	%	46.4	47.6	48.2	48.8	49.1	49.3	49.2	48.8	48.1	47.0	45.7
80.0 (173)	C	2,010	2,720	3,150	3,620	4,130	4,690	5,300	5,950	6,650	7,390	8,170
	P	428	493	523	551	578	603	627	649	670	690	708
	A	4.5	5.0	5.2	5.4	5.7	5.9	6.1	6.3	6.5	6.6	6.8
	M	33	45	53	61	70	79	90	102	115	129	144
	E	4.7	5.5	6.0	6.6	7.2	7.8	8.5	9.2	9.9	10.7	11.6
	%	45.5	46.4	46.9	47.3	47.5	47.4	47.0	46.4	45.4	44.0	42.2
70.0 (147)	C	2,130	2,900	3,350	3,860	4,410	5,020	5,670	6,370	7,130	7,930	8,780
	P	416	475	502	528	552	575	596	615	633	650	665
	A	4.3	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.1	6.3	6.4
	M	33	45	53	61	70	80	91	103	116	130	145
	E	5.1	6.1	6.7	7.3	8.0	8.7	9.5	10.4	11.3	12.2	13.2
	%	43.1	43.9	44.3	44.5	44.5	44.2	43.5	42.5	41.1	39.3	37.0

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