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-IAA

COPELAWELD® HFC-404A

COMPRESSOR

IAA 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**			1,255	1,495	1,750	2,030	2,320	2,640	2,970	3,320	3,700
	P			602	664	726	785	844	901	957	1,010	1,065
	A			7.3	7.9	8.6	9.2	9.9	10.5	11.1	11.7	12.3
	M			36.1	43.3	51.1	59.7	69.1	79.5	90.5	103	116
	E			2.1	2.3	2.4	2.6	2.8	2.9	3.1	3.3	3.5
	%			42.1	43.0	43.7	44.2	44.5	44.7	44.7	44.5	44.2
130.0 (354)	**C**		1,280	1,530	1,805	2,110	2,430	2,780	3,140	3,540	3,950	4,390
	P		558	615	670	724	777	828	878	926	974	1,020
	A		6.7	7.3	7.9	8.4	9.0	9.5	10.1	10.6	11.1	11.6
	M		32.1	38.6	45.9	53.9	62.6	72.2	82.5	94	106.5	120
	E		2.3	2.5	2.7	2.9	3.2	3.4	3.6	3.8	4.1	4.3
	%		40.7	41.9	42.8	43.6	44.2	44.6	44.8	44.7	44.5	44.1
120.0 (310)	**C**	1,065	1,555	1,845	2,160	2,500	2,870	3,260	3,690	4,140	4,620	5,120
	P	461	566	617	666	713	760	804	848	890	930	970
	A	5.7	6.8	7.3	7.8	8.3	8.7	9.2	9.7	10.1	10.6	11.0
	M	23.9	35.1	41.8	49.2	57.4	66.3	76	86.5	98.5	111	124.5
	E	2.3	2.8	3.0	3.3	3.5	3.8	4.1	4.4	4.7	5.0	5.3
	%	39.3	41.6	42.6	43.5	44.3	44.8	45.1	45.2	45.2	44.8	44.3
110.0 (270)	**C**	1,310	1,855	2,170	2,520	2,910	3,320	3,770	4,240	4,750	5,290	5,870
	P	472	566	611	654	696	736	775	813	849	883	917
	A	5.9	6.8	7.2	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.4
	M	26.8	38.2	45	52.6	60.9	70	80	91	102.5	115.5	129.5
	E	2.8	3.3	3.6	3.9	4.2	4.5	4.9	5.2	5.6	6.0	6.4
	%	40.8	42.6	43.5	44.3	44.9	45.3	45.6	45.6	45.4	44.9	44.2
100.0 (235)	**C**	1,555	2,150	2,500	2,890	3,310	3,770	4,270	4,800	5,360	5,960	6,600
	P	474	558	598	636	673	708	742	774	805	835	863
	A	5.9	6.7	7.1	7.5	7.9	8.2	8.6	8.9	9.3	9.6	9.9
	M	29.4	40.9	47.8	55.5	64	73.3	83.5	94.5	106.5	119.5	133.5
	E	3.3	3.9	4.2	4.6	4.9	5.3	5.8	6.2	6.7	7.2	7.7
	%	41.8	43.3	44.0	44.7	45.1	45.4	45.5	45.4	45.0	44.3	43.3
90.0 (202)	**C**	1,775	2,420	2,810	3,230	3,690	4,190	4,740	5,320	5,940	6,600	7,310
	P	469	545	581	615	647	678	707	735	761	786	809
	A	5.9	6.6	7.0	7.3	7.6	8.0	8.3	8.5	8.8	9.1	9.3
	M	31.3	43	50	57.8	66.4	76	86	97.5	109.5	123	137.5
	E	3.8	4.5	4.9	5.3	5.7	6.2	6.7	7.3	7.8	8.4	9.1
	%	42.1	43.2	43.8	44.3	44.6	44.8	44.7	44.3	43.7	42.7	41.5
80.0 (173)	**C**	1,960	2,650	3,070	3,530	4,030	4,570	5,160	5,800	6,480	7,200	7,960
	P	459	528	560	591	619	647	672	696	718	739	759
	A	5.8	6.5	6.8	7.1	7.4	7.6	7.9	8.2	8.4	8.6	8.8
	M	32.3	44.1	51.2	59.1	67.8	77.5	88	99.5	112	125	140
	E	4.3	5.0	5.5	6.0	6.5	7.1	7.7	8.4	9.0	9.8	10.5
	%	41.3	42.2	42.6	43.0	43.1	43.1	42.7	42.1	41.2	39.9	38.3
70.0 (147)	**C**	2,080	2,820	3,270	3,760	4,300	4,890	5,520	6,210	6,940	7,720	8,550
	P	446	510	539	566	592	616	639	660	679	696	713
	A	5.6	6.2	6.5	6.8	7.1	7.3	7.5	7.7	7.9	8.1	8.3
	M	32.4	44.2	51.4	59.4	68.2	78	88.5	100	112.5	126.5	141
	E	4.7	5.6	6.1	6.7	7.3	8.0	8.7	9.4	10.3	11.1	12.0
	%	39.2	39.9	40.2	40.4	40.4	40.1	39.6	38.6	37.4	35.7	33.6

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

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Autogenerated Compressor Performance

07-720