

Rating Conditions

65 °F Return Gas
 0 F Subcooling
 95 °F Ambient Air Over

60 Hz Operation

HIGH TEMPERATURE

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

ARE25C5E-IAA

HFC-134A
 COPELAWELD®
 IAA 115-1-60

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

	0.0 (7)	5.0 (9)	10.0 (12)	15.0 (15)	20.0 (18)	25.0 (22)	30.0 (26)	35.0 (30)	40.0 (35)	45.0 (40)	55.0 (51)
140.0 (229) C P A M E %						1,630	1,855	2,100	2,360	2,650	3,300
						296	315	334	354	373	410
						3.4	3.5	3.7	3.9	4.0	4.4
						30	34	38	44	49	62
						5.5	5.9	6.3	6.7	7.1	8.1
					55.8	55.7	55.6	55.2	54.7	53.3	
130.0 (199) C P A M E %				1,385	1,585	1,805	2,050	2,310	2,600	2,910	3,600
				251	268	285	302	319	336	353	385
				3.1	3.2	3.3	3.5	3.6	3.7	3.9	4.1
				23	27	31	35	40	45	50	63
				5.5	5.9	6.4	6.8	7.3	7.7	8.3	9.4
			55.2	55.5	55.6	55.4	55.1	54.6	53.9	51.9	
120.0 (171) C P A M E %	995	1,150	1,330	1,525	1,740	1,975	2,230	2,520	2,820	3,150	3,900
	201	215	229	244	259	274	289	304	319	334	361
	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9
	16	18	21	24	28	32	36	40	46	51	64
	5.0	5.4	5.8	6.3	6.7	7.2	7.8	8.3	8.9	9.5	10.8
52.6	53.5	54.1	54.6	54.8	54.7	54.4	53.9	53.2	52.2	49.6	
110.0 (146) C P A M E %	1,090	1,260	1,445	1,655	1,890	2,140	2,420	2,720	3,040	3,400	4,180
	196	209	222	235	249	262	276	289	302	315	339
	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8
	16	19	22	25	28	32	37	41	46	52	65
	5.6	6.0	6.5	7.1	7.6	8.2	8.8	9.4	10.1	10.8	12.4
51.8	52.6	53.2	53.5	53.5	53.3	52.8	52.0	50.9	49.6	46.2	
100.0 (124) C P A M E %	1,180	1,365	1,565	1,790	2,040	2,300	2,600	2,920	3,260	3,630	4,460
	190	202	214	226	238	250	262	274	286	297	317
	2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.3	3.4	3.4	3.6
	17	19	22	25	29	33	37	42	47	53	66
	6.2	6.8	7.4	8.0	8.6	9.2	9.9	10.7	11.4	12.3	14.1
50.9	51.6	51.9	52.0	51.7	51.1	50.3	49.2	47.7	46.0	41.5	
90.0 (104) C P A M E %	1,275	1,470	1,685	1,920	2,180	2,470	2,780	3,110	3,470	3,860	
	182	193	204	216	227	238	249	260	270	280	
	2.7	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.2	3.3	
	17	20	23	26	30	34	38	43	48	53	
	7.0	7.6	8.3	8.9	9.6	10.4	11.2	12.0	12.9	13.8	
50.0	50.3	50.3	49.9	49.3	48.3	47.0	45.4	43.4	41.1		

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