

Rating Conditions

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

60 Hz Operation

HIGH TEMPERATURE

Blue Area Restrictions: 40°F Max.
Return Gas Temp.

ASE35C4-CAA

COPELAWELD® HCFC-22
COMPRESSOR
CAA 115-1-60

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

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

	0.0 (24)	5.0 (28)	10.0 (33)	15.0 (38)	20.0 (43)	25.0 (49)	30.0 (55)	35.0 (62)	45.0 (76)	55.0 (93)
140.0 (337) C P A M E %				2,490	2,850	3,230	3,650	4,100	5,110	6,290
				711	757	803	849	895	987	1,080
				8.1	8.4	8.7	9.0	9.3	9.9	10.6
				4.1	4.6	5.3	6.0	6.8	8.6	10.7
				3.5	3.8	4.0	4.3	4.6	5.2	5.8
			40.2	40.5	40.6	40.6	40.4	39.7	38.2	
130.0 (297) C P A M E %			2,440	2,800	3,190	3,610	4,080	4,580	5,700	7,010
			646	687	728	769	810	851	933	1,010
			7.7	7.9	8.2	8.4	8.7	9.0	9.5	10.1
			37	43	49	56	64	72	90	113
			3.8	4.1	4.4	4.7	5.0	5.4	6.1	6.9
		40.6	41.1	41.4	41.5	41.4	41.1	40.1	38.3	
120.0 (260) C P A M E %		2,360	2,720	3,110	3,540	4,000	4,510	5,050	6,290	7,720
		588	625	661	698	734	770	806	878	950
		7.3	7.6	7.8	8.0	8.2	8.4	8.7	9.2	9.6
		34	40	45	52	59	67	75	95	118
		4.0	4.4	4.7	5.1	5.5	5.9	6.3	7.2	8.1
	40.7	41.3	41.6	41.8	41.8	41.6	41.2	39.8	37.5	
110.0 (226) C P A M E %	2,270	2,620	3,000	3,420	3,880	4,380	4,930	5,520	6,860	8,420
	536	569	601	634	666	698	730	761	824	886
	7.1	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.8	9.2
	31	36	42	48	54	62	70	78	99	123
	4.2	4.6	5.0	5.4	5.8	6.3	6.8	7.3	8.3	9.5
40.6	41.1	41.5	41.7	41.8	41.6	41.3	40.7	38.7	35.8	
100.0 (196) C P A M E %	2,510	2,870	3,280	3,720	4,220	4,760	5,340	5,980	7,420	9,090
	518	547	576	605	633	661	689	716	771	824
	7.0	7.1	7.3	7.5	7.6	7.8	8.0	8.1	8.5	8.8
	33	38	44	50	57	64	72	81	102	127
	4.8	5.2	5.7	6.2	6.7	7.2	7.8	8.3	9.6	11.0
40.7	41.1	41.2	41.3	41.1	40.7	40.1	39.2	36.7	32.9	
90.0 (168) C P A M E %	2,730	3,120	3,550	4,020	4,540	5,110	5,740	6,420	7,950	9,740
	498	524	550	575	600	624	648	672	718	764
	6.9	7.0	7.2	7.3	7.4	7.6	7.7	7.9	8.1	8.4
	35	40	45	52	58	66	74	84	105	130
	5.5	5.9	6.4	7.0	7.6	8.2	8.9	9.6	11.1	12.8
40.4	40.4	40.4	40.1	39.7	39.0	38.1	36.9	33.5	28.7	
80.0 (144) C P A M E %	2,950	3,350	3,800	4,290	4,840	5,450	6,110	6,830	8,460	10,400
	477	500	523	545	566	587	608	628	667	705
	6.8	6.9	7.0	7.2	7.3	7.4	7.5	7.6	7.8	8.0
	36	41	47	53	60	68	76	86	107	133
	6.2	6.7	7.3	7.9	8.6	9.3	10.0	10.9	12.7	14.7
39.5	39.2	38.8	38.2	37.4	36.4	35.1	33.4	29.0	23.0	
70.0 (121) C P A M E %	3,150	3,560	4,030	4,550	5,120	5,760	6,450	7,210	8,930	10,900
	454	474	494	514	532	551	568	585	618	649
	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.6	7.7
	37	42	48	54	61	69	78	87	109	135
	7.0	7.5	8.2	8.9	9.6	10.5	11.4	12.3	14.4	16.8
37.8	37.1	36.4	35.4	34.2	32.8	30.9	28.7	23.0	15.4	

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