

Rating Conditions

40 °F Return Gas
 0 F Subcooling
 95 °F Ambient Air Over
 60 Hz Operation

MEDIUM TEMPERATURE

Restrictions: 40°F (4.4 °C) Max.
 Return Gas Temp.

ARE59C3-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)
140.0 (337)							
C				2,530	2,880	3,290	3,740
P				638	680	723	765
A				5.7	6.1	6.5	6.9
M				44	51	58	66
E				4.0	4.2	4.5	4.9
%				45.7	45.9	46.2	46.4
130.0 (297)			2,380	2,720	3,100	3,520	3,990
C			584	622	660	698	735
P			5.3	5.6	5.9	6.3	6.6
A			39	45	51	58	67
M			4.1	4.4	4.7	5.0	5.4
E			43.9	44.2	44.4	44.6	44.7
%							
120.0 (260)		2,290	2,630	2,990	3,390	3,850	4,350
C		536	570	603	637	671	706
P		4.9	5.1	5.4	5.7	6.0	6.3
A		35	41	47	53	60	69
M		4.3	4.6	5.0	5.3	5.7	6.2
E		43.4	43.8	43.9	44.0	43.9	43.8
%							
110.0 (226)	2,230	2,560	2,920	3,310	3,750	4,230	4,780
C	494	523	552	582	613	644	676
P	4.5	4.7	5.0	5.3	5.5	5.8	6.1
A	33	38	43	49	56	63	72
M	4.5	4.9	5.3	5.7	6.1	6.6	7.1
E	43.2	43.8	44.0	43.9	43.7	43.4	42.9
%							
100.0 (196)	2,480	2,840	3,230	3,650	4,130	4,650	5,240
C	481	507	533	561	589	618	648
P	4.4	4.6	4.8	5.1	5.3	5.6	5.8
A	35	40	45	52	59	66	75
M	5.1	5.6	6.1	6.5	7.0	7.5	8.1
E	43.2	43.7	43.7	43.5	43.0	42.3	41.5
%							
90.0 (168)	2,690	3,080	3,510	3,980	4,490	5,070	5,700
C	466	489	514	539	566	594	623
P	4.2	4.5	4.7	4.9	5.1	5.3	5.6
A	36	41	47	54	61	69	78
M	5.8	6.3	6.8	7.4	7.9	8.5	9.2
E	42.3	42.7	42.6	42.1	41.3	40.3	39.0
%							

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