

# CROWN

## 4AC13 13 SEER R-410a AIR CONDITIONERS



Environmentally friendly and highly reliable. The CROWN 4AC13 series air conditioners utilize a Long-Life-Alloy aluminum condenser coil. The tubing thickness is more than twice as heavy as comparable copper condenser coils. It is both rugged and efficient. Because of its all aluminum construction, it is also less susceptible to corrosion than most other air conditioner condenser coils. All CROWN air conditioners utilize aluminum for the coil end plates, in addition to aluminum fins and tube. This mono-metal construction makes for an extremely reliable, corrosion resistant air conditioner. Be a step ahead with the CROWN 4AC13.

### STANDARD FEATURES

ENVIRONMENT FRIENDLY  
R-410a REFRIGERANT

COMPACT, HIGH EFFICIENCY DESIGN

POWDER PAINTED  
GALVANIZED STEEL CASE WITH  
FULL PROTECTIVE LOUVERED EXTERIOR

SOUND ABSORBING  
INJECTION MOLDED TOP CAP  
WITH RUGGED FAN GUARD

RUGGED COPELAND® COMPRESSORS

HIGH EFFICIENCY  
TRIPLE A CONDENSER COIL  
ALUMINUM END PLATES  
ENHANCED ALUMINUM FINS  
INTERNALLY GROOVED ALUMINUM TUBE

LIQUID LINE FILTER DRIER

EASY ACCESS  
BRASS SERVICE VALVES

ONE FOOT PRINT  
1.5 THRU 5.0- TON SIZES

EASY SERVICE-ABILITY  
A SINGLE SCREW OPENS  
ELECTRICAL ACCESS PANEL



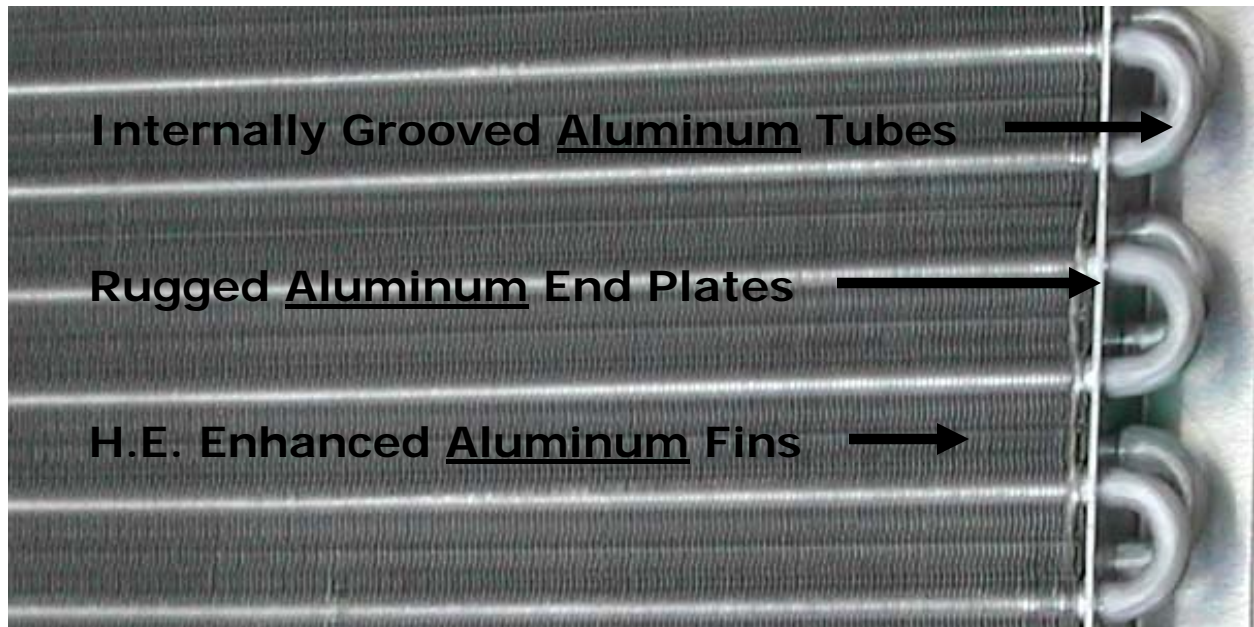
**5-YEAR LIMITED COMPRESSOR WARRANTY  
5-YEAR LIMITED WARRANTY ON ALL FUNCTIONAL PARTS**

CROWN BOILER CO. 3633 I Street \* Philadelphia, PA 19134 \* Tel: 215-535-8900 \* Fax: 215-535-9736 \* [www.crownboiler.com](http://www.crownboiler.com)

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### ALL ALUMINUM TRIPLE A ALUMINUM CONDENSER



### WHY AN ALUMINUM COIL?

Because an aluminum coil really makes sense. The aluminum Triple A Coil helps to solve some of the traditional problems of coils made with dis-similar metals. The very nature of a copper coil with aluminum fins is problematic because of the corrosion potential between the copper and aluminum. Many manufacturers complicate this problem by utilizing an end plate of zinc coated steel. This is a real recipe for a coil to leak and fail. The Triple A coil nearly eliminates this problem. The aluminum alloys in the tubes, fins, and end plates are very similar. The potential for corrosion is greatly reduced. The lack of corrosion between the aluminum internally grooved tube and the aluminum fin makes your air conditioner more efficient, for a longer period of time.

We can give you more for your money. Because aluminum is more cost effective than copper, we can put more material in the coil for the same price. The aluminum tube we use is more than twice as heavy as the standard copper tubing. This heavier aluminum tube makes it much more difficult for corrosive agents in your home to penetrate the tubing, causing a leak of the system refrigerant.

Triple A Coils from Crown represent a real value in price, reliability, & durability. They are the result of over two years of intensive development and testing. With thousands of Triple A Coils installed throughout the United States, all of our expectations in providing consumers with a competitively priced, highly reliable coil have been exceeded.

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## 4AC13 13 SEER R-410a AIR CONDITIONERS

**Designed by contractors, for contractors!**



Removing.....

**just one screw**

**and the electrical control box cover slides down giving full access to all operating controls!**



### SPECIFICATIONS

Nominal Capacity	1.5	2	2.5	3	3.5	4	5
Model Number	4AC13018	4AC13024	4AC13030	4AC13036	4AC13042	4AC13048	4AC13060
Rated BTUH	18000	24000	28400	35000	40000	47000	59000
SEER	13.0	13.0	13.0	13.0	13.0	13.0	13.0
Compressor Type	Compliant Scroll						
Compressor Manufacturer	Copeland						
Condensing Coil	All Aluminum Round Tube Design						
Liquid Line Connection	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Line Connection	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant Charge/Oz.	96	96	96	112	128	128	144
Cabinet	Fully Louvered Galvanized Steel with Powder Coat Protection						

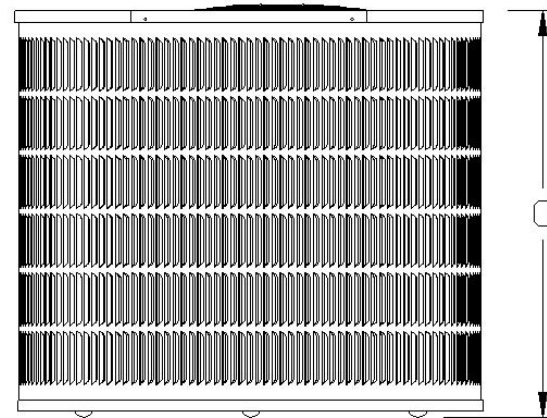
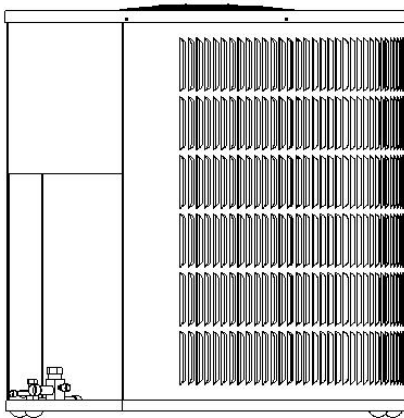
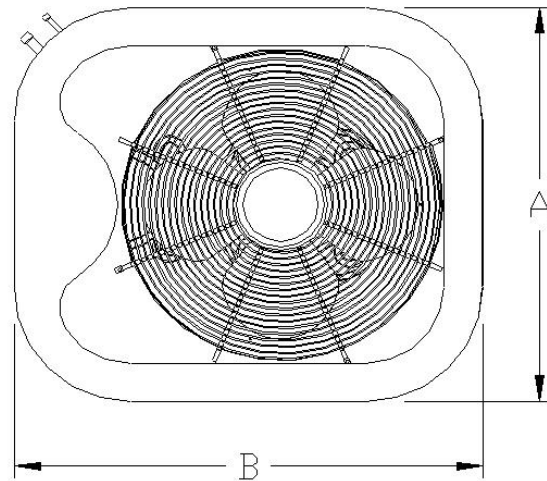
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**4AC13 DIMENSIONS (in)**

MODEL	A	B	C
4AC13018	31.25	36.25	20.5
4AC13024	31.25	36.25	20.5
4AC13030	31.25	36.25	24.5
4AC13036	31.25	36.25	24.5
4AC13042	31.25	36.25	24.5
4AC13048	31.25	36.25	24.5
4AC13060	31.25	36.25	28.5



## ELECTRICAL CHARACTERISTICS

Model Number	Phase	Freq. (Hz)	Voltage (Volts)	Compressor		Fan Motor	Minimum Circuit	Fuse/HACR Ckt. Brkr.	
				Rated Load	Locked Rotor			Circuit Breaker	
				Amperes (RLA)	Amperes (LRA)	Full Load Amps (FLA)	Amperes	Min Amps	Max Amps
4AC13018	1	60	208/230	10.0	48	0.8	14/14	20/20	25/25
4AC13024	1	60	208/230	14.3	58.3	0.8	20/20	25/25	30/30
4AC13030	1	60	208/230	14.3	64	0.8	20/20	30/30	35/35
4AC13036	1	60	208/230	18.6	79	1.5	26/26	35/35	40/40
4AC13042	1	60	208/230	20.0	112	1.5	28/28	35/35	45/45
4AC13048	1	60	208/230	24.3	117	1.5	34/34	45/45	60/60
4AC13060	1	60	208/230	29.4	134	1.8	42/42	50/50	60/60