



COOLEX

MARINE AIR CONDITIONERS

R410A



50/60 Hz

COMFORT BEYOND EXPECTATIONS

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OTHER COOLEX PRODUCTS

- 1. Air Cooled Screw Water Chillers**
- 2. Air Cooled Scroll Water Chillers**
- 3. Air Cooled Package Units**
- 4. Air Handling Units**
- 5. Concealed Split Units**
- 6. Fan Coil Units**

INTRODUCTION

As the technology leader in the air conditioning industry, we have accepted the challenge of creating a new design for a smaller air conditioning unit application, more efficient than anything in it's class. It's called **COOLEX** MAC, and it's

built by the company whose name is **COOLEX** synonymous with high quality and durability.

NOMENCLATURE

MAC - 012 A 7

Unit Series Description
MAC Marine Unit
R-410A Refrigerant

7 240V/1Ph/50Hz
3 230V/1Ph/60Hz

SERIES A , B , C

Cooling Capacity
Nominal MBH

012
016
024

SPECIFICATIONS

Features

- Compact, low profile are available for smaller boat applications.
- Designed and engineered for maximum efficiency with open mounted condenser.
- Quiet, high efficiency rotary compressors with capacities from 12MBH - 24MBH
- **COOLEX** microprocessor based control.
- Rugged yet light weight design.
- High and Low pressure switches for protection of valuable equipment are standard on all units.
- High capacity motorized impeller blowers provide excellent air flow with quiet operation.
- Blowers are fully insulated and rotatable for variability in installation and ducting.
- Corrosion resistant, stainless steel condensate pan with drain.
- Simple plug in of control panels on factory installed connector cables.
- All models utilize the environment friendly R-410A refrigerant.
- Copper to Aluminum condensers with coating for low maintenance and long life.



The **COOLEX** MAC-012-024 is the first in the middle east for a full featured marine air conditioning unit. It includes all of the features of the **COOLEX** line such as reverse cycle and electronic control and operates at only minimum amps. With a small overall volume, it requires less installation space and flexibility in locating in a cramped space inside the boat. This design features a compact and very quiet blower with selectable vertical or horizontal outlet. Controls plug in to the factory installed leads.

SPECIFICATIONS

The **COOLEX** unit is commonly used in new installations however it is very well suited to the replacement or retrofitting of an older, less efficient or obsolete unit, or as an upgrade. This self contained unit is a refrigerant to air heat exchanger system that has all the major components mounted on one chassis. It is installed in the area of the boat that is to be heated or cooled.

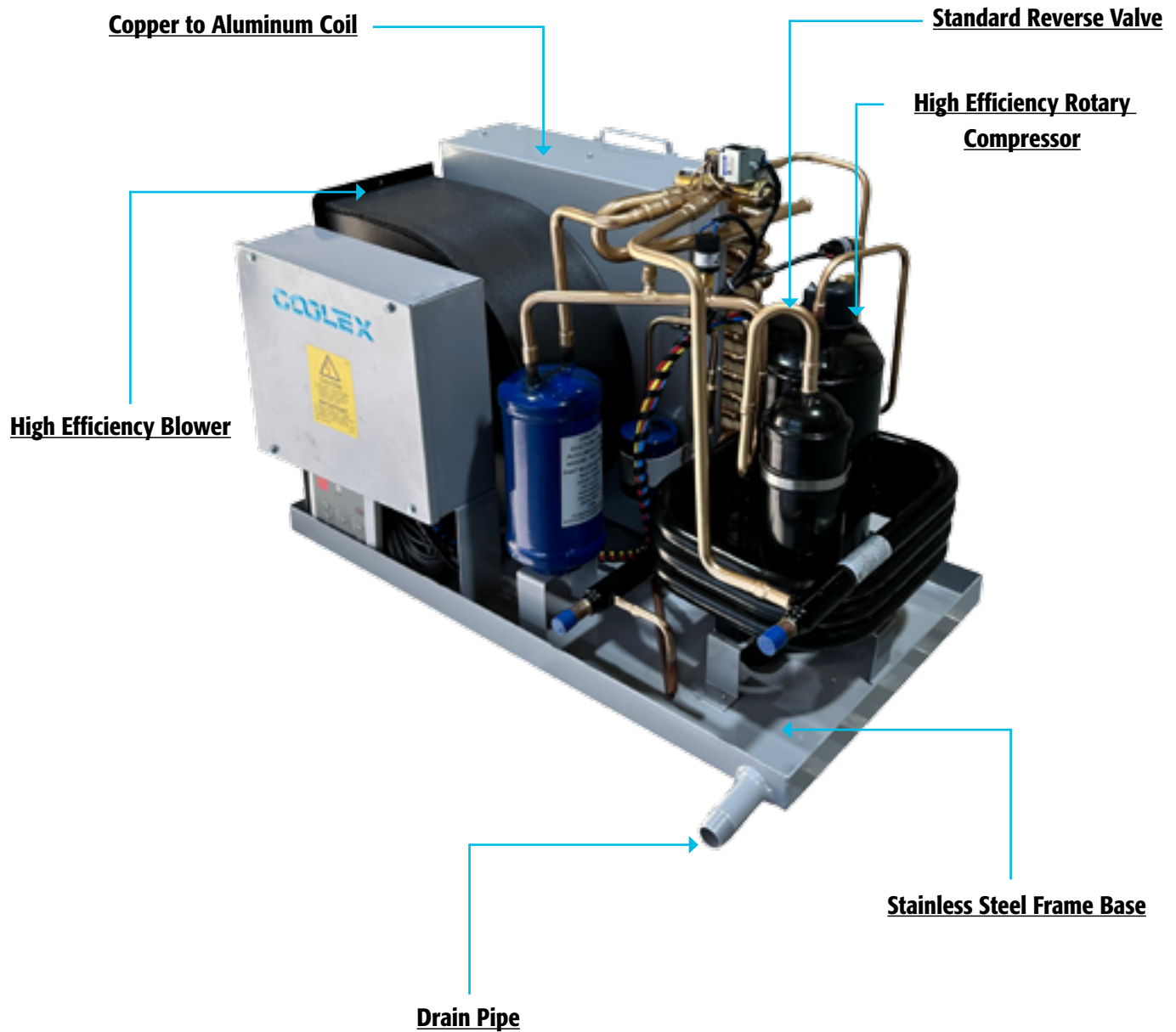
Basic refrigeration theory dictates that opposite heat exchanges occurring in close proximity have a canceling effect, which translates to efficiency loss. True to this principle, **COOLEX** achieves maximum efficiency through the application of a correctly sized seawater condenser located in the proper orientation to the unit's evaporator coil. By choosing **COOLEX**, you know you're getting the highest efficiency available!

STANDARD THERMOSTAT

Typical Thermostat



FEATURES

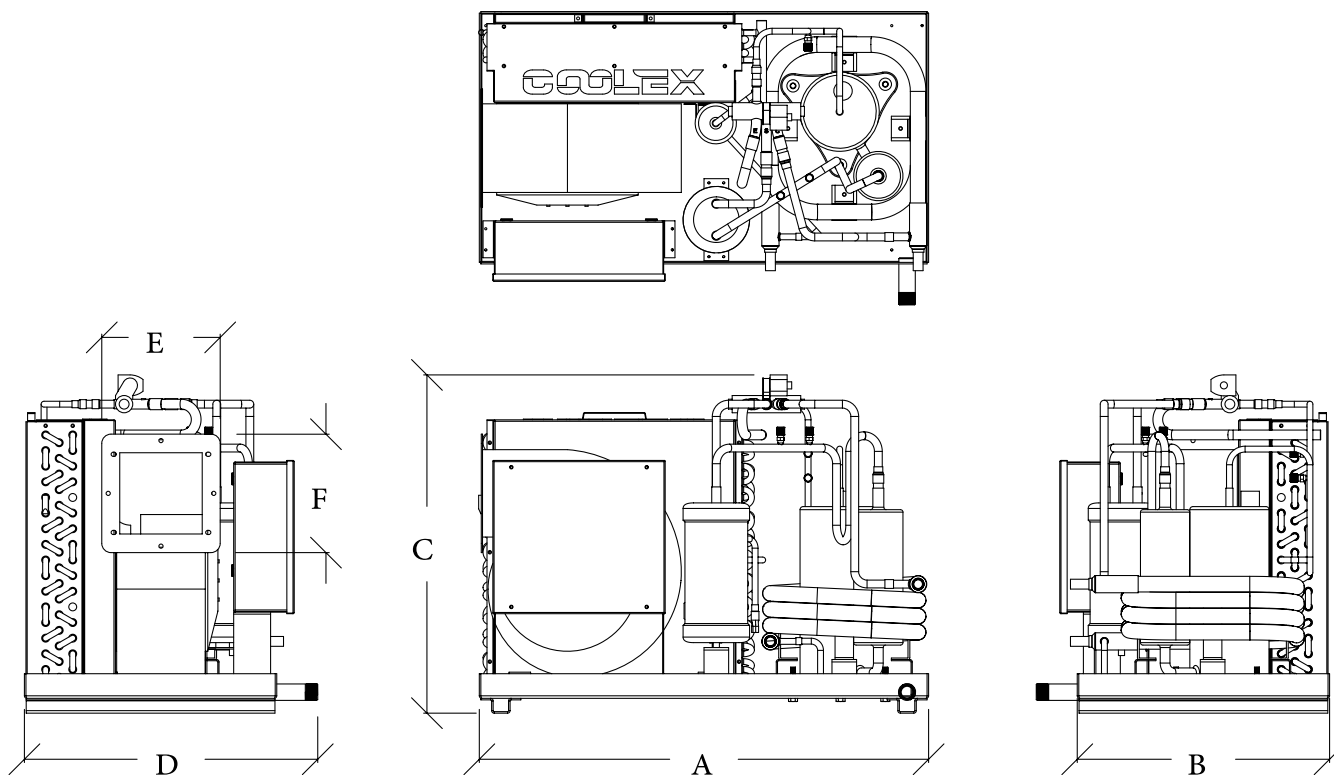


GENERAL DATA

Technical Specifications		MAC-012	MAC-016	MAC-024
Capacity	BTU/H	12,000	16,000	24,000
	KCAL/H	3,024	4,032	6,048
Air Flow	CFM	400	533	800
	m ³ /HR	679	904	1358
Amp Draw	240 VAC	4.8	5.6	8.4
Power	Watts	1051	1298	2328
Blower Duct Size	IN	7.6 x 7.6	7.6 x 7.6	7.6 x 7.6
	MM	192 x 192	192 x 192	192 x 192
Height (max.)	IN	21.65	21.65	21.65
	CM	55.0	55.0	55
Width (B)	IN	16.1	16.1	16.1
	CM	41.0	41.0	41.0
Length (A)	IN	28.7	28.7	28.7
	CM	73.0	73.0	73.0
Required Seawater Flow	GPH	240	320	480
	LPH	908	1211	1817
Net Weight	LBS/KG	76.3 / 34.6	87.7 / 39.8	119.9 / 45.4
Ship Weight	LBS/KG	30.9 / 14.0	34.1 / 15.5	59.1 / 26.8

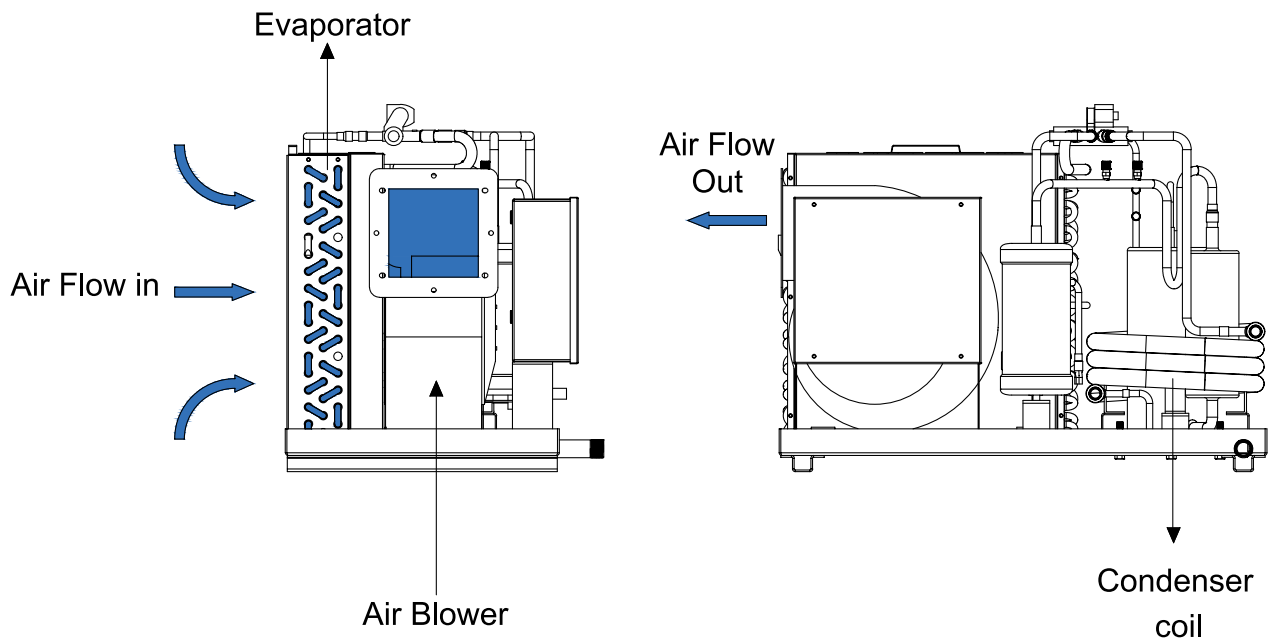
Add 'A3' to the end of the model number for 230V/1Ph/60Hz, 'A7' for 240V/1Ph/50Hz

UNIT DIMENSIONS

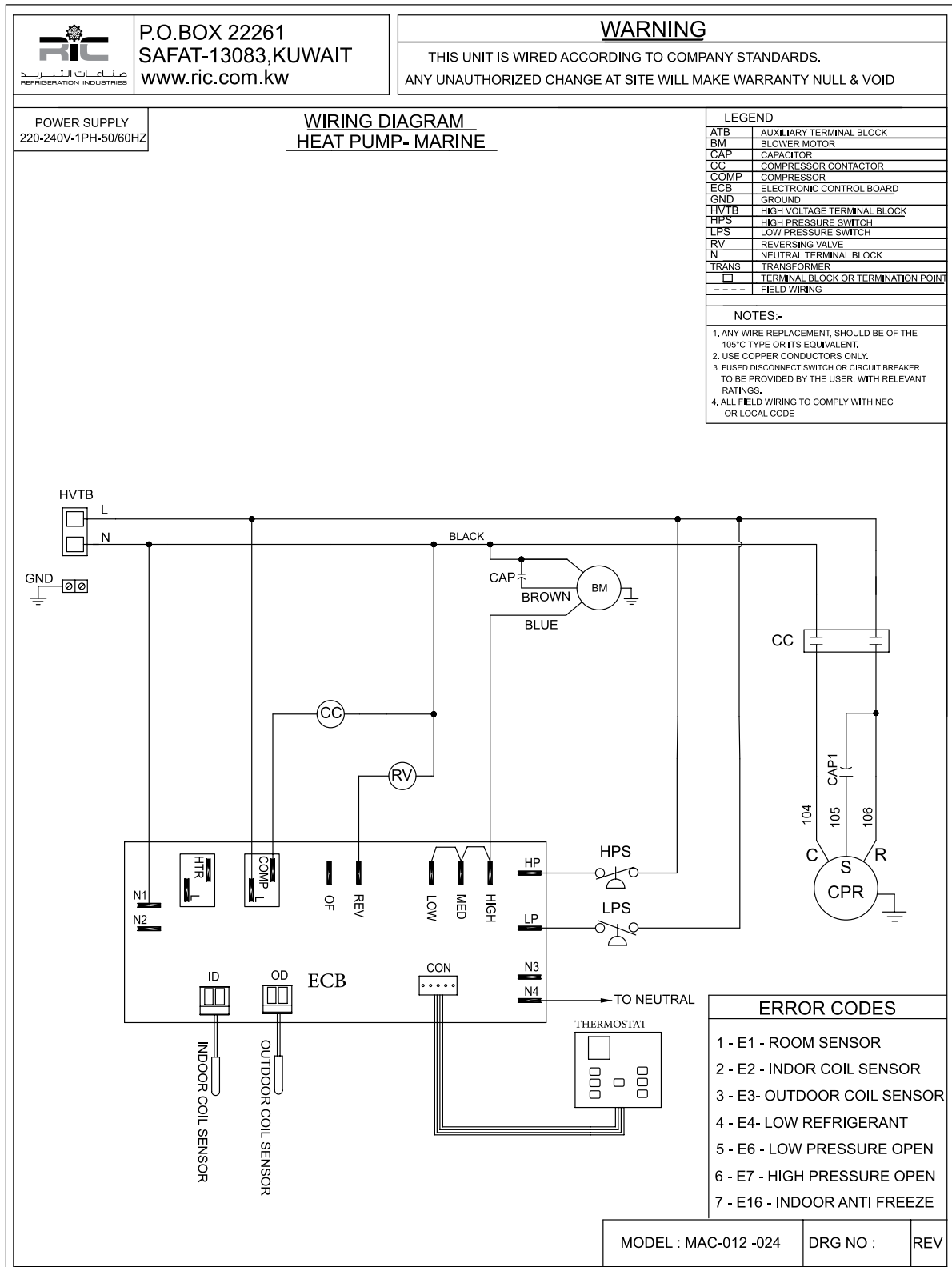


		MAC-012	MAC-016	MAC-024
A	Length	730(mm)		
B	Width	410(mm)		
C	Height	550(mm)		
D	Depth	480(mm)		
E x F	Blower Opening	192x192(mm)		

UNIT DESIGN



TYPICAL WIRING DIAGRAM



COOLEX DISTRIBUTORS

Sultanate of Oman

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Please contact Sales and Marketing Department
sales@ric.com.kw for specific information on
the current design and specifications.

Ref no.: MAC 23-5-002

CENTRAL AIR CONDITIONING AND SPLIT UNIT
Coollex continuously works towards the improvement of
its products. Hence, the design and specifications of the
ordered product may vary without prior notice.

COOLEX is a subsidiary of the **RIC Group**



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