

DuraSea Rooftop Air-Cooled Air Conditioner

Drop-In Cooling In a Low-Profile, Marine-Grade Package



The DuraSea Rooftop is a 15,000 BTU/hr air conditioner built to endure harsh marine environments. Ideal for patrol boats, house boats, and other vessels, it is designed to be installed on a flat deck or rooftop and cool the area directly below. It is air cooled and requires no plumbing or ducting.

The air-distribution box (ADB), sold separately, attaches to the underside of the unit. Accessible from the interior cabin, the ADB contains the thermostat, fan controls, return-air vent and two supply-air vents that blow in opposite directions for increased cooling capability. The three-speed blower works in cooling and ventilation-only modes.

The optional integrated Breathe Easy air purifier is up to 99.9% effective in reducing odors and chemical and biological contaminants. The air purifier is installed within the chassis, adds very little weight, and draws only half an amp. It functions in both cooling and ventilation-only fan modes. More information about the Breathe Easy process can be found on the following page.

Both the condenser and evaporator coils are coated using the ElectroFin® E-coat process which provides superior resistance to salt-air corrosion and UV damage when compared to spray coating. E-coat employs electrically charged molecules to coat the components for complete and uniform coverage with no material bridging between the fins. The E-coat material was salt-spray tested for 5,000 hours, not 1,000 like competing units. In addition, the condenser and evaporator fans are also corrosion resistant and will not rust.

Rugged and strong, the DuraSea Rooftop weighs only 103 lbs. (46.7 kg). The top plate is made of 0.040 galvanized steel and ties the evaporator and condenser together to minimize vibration and movement. A vibration-isolating L-bracket on the compressor and fan motor is incorporated for additional stabilization. Rubber clamps and bushings further control noise and vibration. The powder-coated base pan is 15% thicker than other models.

Key Benefits

- Designed for rooftop or deckmount installation
- Optional integrated Breathe Easy™ Air Purifier reduces odors, mold, and bacteria
- Provides 15,000 BTU/hr of cooling
- Air-cooled, no plumbing required
- Rugged and strong, yet lightweight
- High efficiency, low power consumption
- ElectroFin® E-coat process for superior resistance to corrosion and UV damage
- Vibration-free operation
- Compressor stabilization to endure extreme motion
- Three-speed high-performance fan for cooling or ventilation
- Environmentally safe R-410A refrigerant
- Air distribution box (sold separately) includes mechanical control and interior panel
- Optional electric heating kit



Optional integrated air purifier is easily removed for UV bulb replacement



Compressor is bracketed at top and bottom to minimize vibration and movement



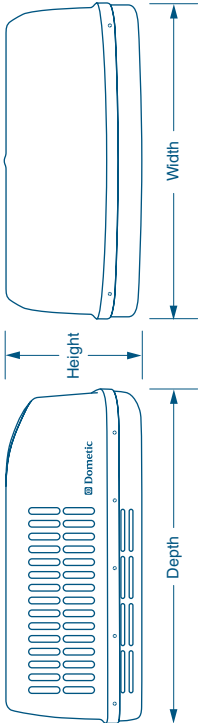
The air distribution box (sold separately) mounts on the ceiling to provide A/C controls

Technical Specifications for DuraSea Rooftop Air Conditioner

MODEL	DURASEA ROOFTOP
Capacity (BTU/hr)	15,000
Run Amps ¹	15.3
Locked Rotor Amps (LRA)	66.0
Refrigerant Type	R-410A
Height (in/mm)	13.125/334
Width (in/mm)	29.875/759
Depth (in/mm)	34.375/886
Net Weight (lbs/kg)	103/46.7

¹ Add 0.5 amps for the optional integrated Breathe Easy air purifier.

Dimensions Drawing

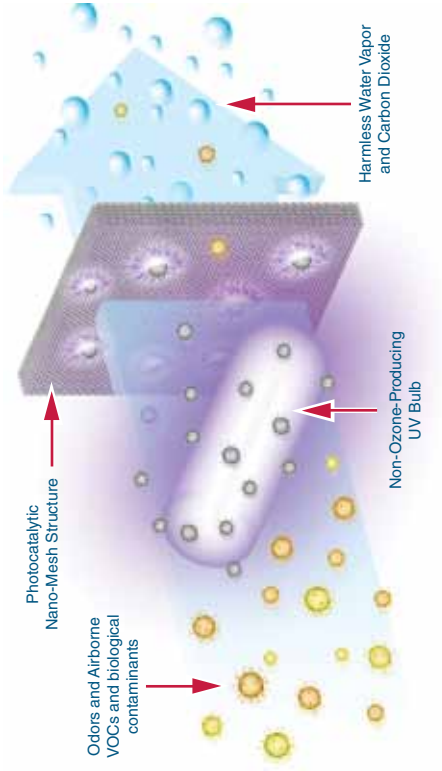


Optional Integrated Breathe Easy™ Air Purification

Add the integrated Breathe Easy™ air purifier for the safe and effective removal of on-board odors and biological and chemical contaminants.

With the Breathe Easy system inserted into the DuraSea Rooftop unit, the air continuously becomes cleaner with each pass through the system.

The Breathe Easy air purifier uses innovative Photocatalytic Nano-Mesh technology with ultraviolet (UV) light to improve air quality. The easy-to-replace UV bulb uses a specific frequency of light that produces no harmful ozone.



How Breathe Easy Works

1. Odors, VOCs and biological contaminants enter the Breathe Easy system through the air flow (blue arrow above).
2. UV light energy activates the titanium-dioxide catalyst on the surface of the Nano-Mesh structure. The molecules of contaminants that contact the structure are reconfigured into non-toxic elements.
3. Significantly cleaner, healthier air exists the Breathe Easy system.

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Specifications and availability subject to change without notice.



Dealer: