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Aramox Aramoxbq8wustrov

Aramox DC12V RV Roof Exhaust Fan User Manual

Model: Aramoxbq8wustrov

Introduction

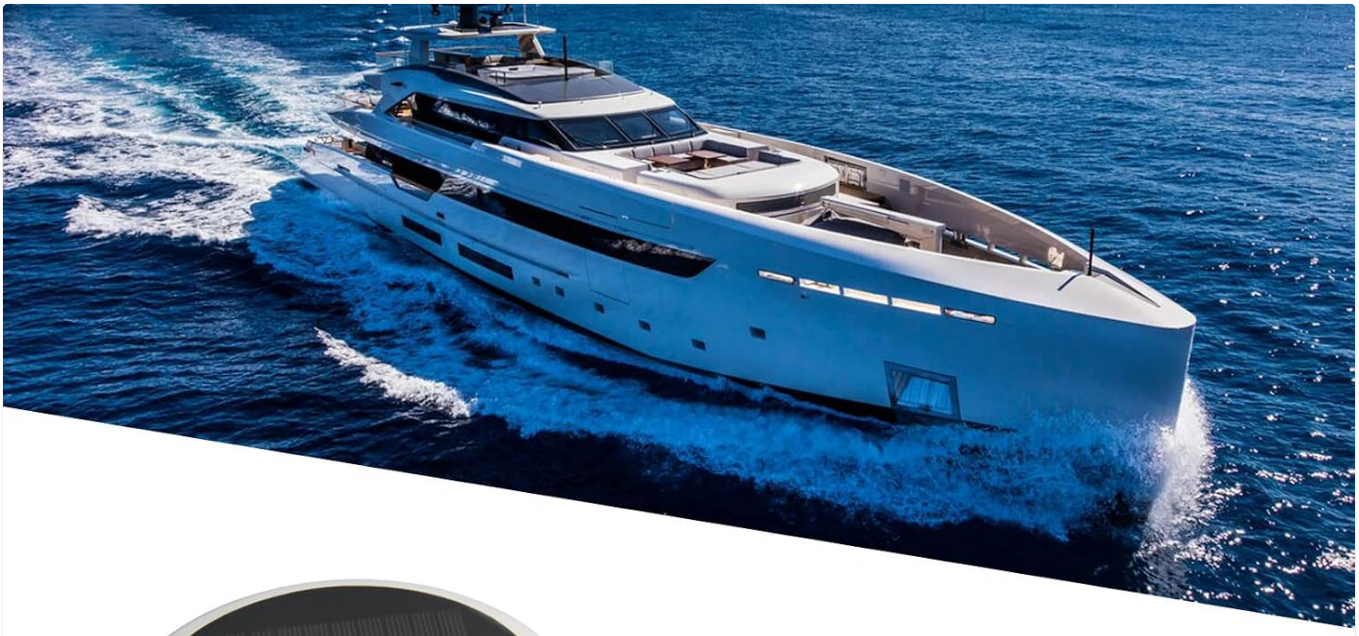
This manual provides comprehensive instructions for the installation, operation, and maintenance of your Aramox DC12V RV Roof Exhaust Fan. Designed for RVs, campers, ships, and yachts, this fan offers efficient ventilation with both solar and 12V power options. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.



Image: The Aramox RV Roof Exhaust Fan shown in an RV context, highlighting its application in recreational vehicles and marine vessels.

Product Features

- **Wide Range of Applications:** Universal motorhome roof vent fan suitable for RVs, campers, ships, yachts, and other large vehicles.
- **Premium Materials:** Constructed from engineering ABS material, providing good elasticity and resistance to aging, suitable for various harsh environments.
- **Superior Performance:** Features an effective dustproof design to block external debris. The integrated black panel has a solar energy conversion function, allowing operation without external electricity when sunlight is available. Note: This unit does not store electrical energy.
- **Easy to Install and Use:** Designed for straightforward installation, though professional installation is recommended due to some complexity.
- **Strict Factory Inspection:** Each unit undergoes rigorous factory inspection to ensure quality and reliability.





Independent switch control
When the weather is good, the solar ventilation can be selected by the switch

Engineering ABS material
Good flexibility, not easy to age, can deal with various harsh environments

Designed with dustproof and insect proof nets
Prevent insects from entering the vehicle and effectively block garbage and dust from the outside

Image: The fan positioned with a yacht in the background, illustrating its marine application and emphasizing features like independent switch control, durable ABS material, and dust/insect proof design.

SPECIFICATIONS

Item Type	RV Roof Exhaust Fan
Material	ABS Plastic
Rated Voltage	DC12V
Solar Speed	1800 Rpm
Air Volume	24CFM (Cubic Feet Per Minute)
Installation Hole Size	Approx. 118mm / 4.6in Diameter Circle
Installation Thickness	Approx. 50-120mm / 3.1-6.3in (Adjustable)

Noise Level	24 dB
Power Source	Solar Powered / DC12V
Special Feature	Dustproof
Color	White
Item Weight	1.8 pounds
Package Dimensions	11.46 x 7.17 x 5.71 inches

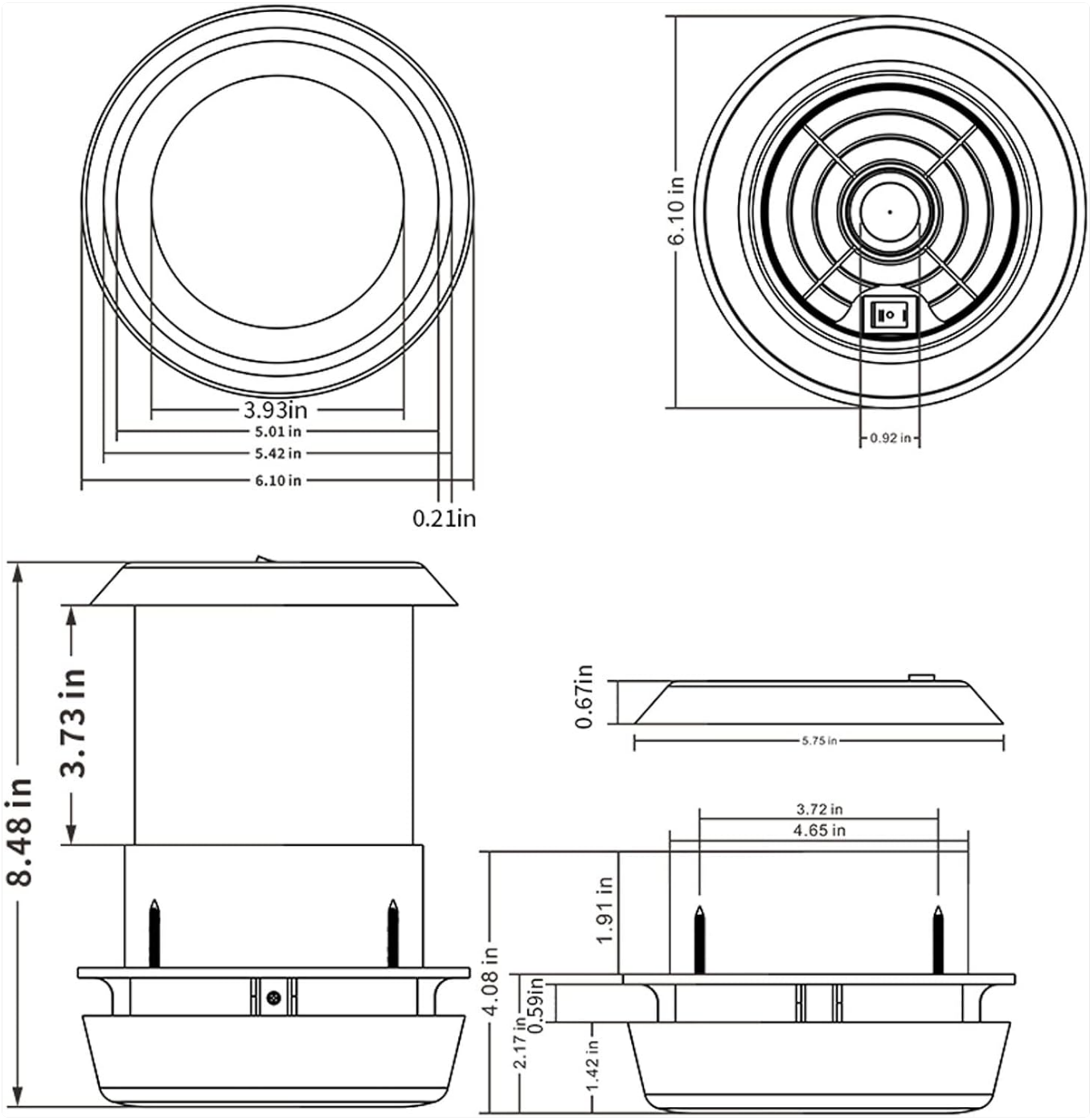


Image: Detailed dimensional drawing of the fan, showing various measurements for installation planning.

Package Contents

Please verify that all items listed below are included in your package:

- 1 x RV Roof Exhaust Fan Unit
- 1 x Switch Cover
- 5 x Mounting Screws



Image: The main RV Roof Exhaust Fan unit along with the five mounting screws included in the package.

Setup and Installation

Important Note: The installation process can be challenging. Professional installation is highly recommended to ensure correct and safe setup.

1. **Choose Installation Location:** Select a suitable flat area on the RV, camper, ship, or yacht roof that allows for proper ventilation and sunlight exposure for the solar panel. Ensure there is sufficient clearance both above and below the mounting surface.
2. **Prepare Mounting Hole:** Using the specified installation hole size (approx. 118mm / 4.6in diameter), carefully cut a circular opening in the roof. Ensure the edges are smooth and free of debris.
3. **Wiring (for 12V operation):**
   - Identify the positive and negative wires from your vehicle's 12V power supply.
   - Connect the fan's wires to the corresponding 12V power source terminals. Ensure correct polarity to prevent damage.
   - Secure all electrical connections properly, preferably with waterproof connectors if exposed to elements.



Image: An internal view of the fan unit, showing the fan blades and the wiring connections for the 12V power supply.



Image: A close-up view of the wiring terminal block inside the fan unit, where the 12V power connections are made.

4. **Mount the Fan Unit:**
   - Insert the fan unit into the prepared hole.
   - Adjust the installation thickness (50-120mm / 3.1-6.3in) as needed to fit your roof's depth.
   - Secure the fan unit to the roof using the provided mounting screws. Ensure a tight and waterproof seal around the base of the fan. It is recommended to use a suitable sealant for marine or RV applications.
5. **Install Switch Cover:** Place the switch cover over the designated switch area.
6. **Test Functionality:** After installation, test both the solar and 12V power functions to ensure the fan operates correctly.

Operating Instructions

The Aramox RV Roof Exhaust Fan offers flexible operation modes:

- **Solar Ventilation:** In good weather conditions with sufficient sunlight, the fan can operate solely on solar power. Use the integrated switch to select the solar ventilation mode. The fan will automatically draw power from the solar panel to operate.
- **12V Power Exhaust:** For use during rainy days, cloudy conditions, or when there is no direct sunlight, the fan can be powered by your vehicle's DC12V system. Use the switch to select the 12V power mode. This ensures

continuous ventilation regardless of solar availability.

Switching between modes is done via the push-button switch located on the unit. Ensure the fan is off before switching power sources if possible, though the system is designed for seamless transition.



Image: Top view of the fan showing the solar panel, and a bottom view indicating the location of the control switch for selecting operation modes.

Maintenance

Regular maintenance will help ensure the longevity and optimal performance of your exhaust fan:

- **Cleaning:** Periodically clean the exterior of the fan, especially the solar panel, with a soft, damp cloth to remove dust, dirt, and debris. This ensures maximum solar efficiency. Avoid abrasive cleaners or solvents.
- **Inspect for Obstructions:** Regularly check the fan blades and vents for any obstructions such as leaves, insects, or other foreign objects. Clear any blockages to maintain proper airflow.
- **Seal Inspection:** Annually inspect the sealant around the base of the fan on the roof to ensure it remains watertight. Reapply sealant if any cracks or deterioration are observed.
- **Electrical Connections:** If accessible, periodically check electrical connections for corrosion or looseness, especially if the fan is exposed to harsh weather conditions.

Troubleshooting

If you encounter issues with your Aramox RV Roof Exhaust Fan, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Fan does not operate on solar power.	Insufficient sunlight; dirty solar panel; solar mode not selected.	Ensure direct sunlight; clean solar panel; switch to solar mode.
Fan does not operate on 12V power.	No 12V power supply; incorrect wiring; 12V mode not selected; blown fuse.	Check 12V power source; verify wiring connections and polarity; switch to 12V mode; check and replace fuse if necessary.
Fan is noisy or vibrates excessively.	Obstruction in fan blades; loose mounting; worn bearings.	Inspect and clear any obstructions; tighten mounting screws; if noise persists, contact support.
Poor airflow.	Blocked vents; fan running at low speed; dirty fan blades.	Clear any blockages from vents; ensure fan is operating at full speed; clean fan blades.

If the problem persists after attempting these solutions, please contact Aramox customer support for further assistance.

Warranty and Support

Aramox products are manufactured under strict quality control standards. For information regarding warranty coverage, returns, or technical support, please refer to the product's purchase documentation or visit the official Aramox store on Amazon.

Aramox Store: Visit the Aramox Store on Amazon

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