Aramox Aramoxevgm8b40s6

Aramox 2-Speed RV Exhaust Fan with Light and Mesh Screen User Manual

Model: Aramoxevgm8b40s6

1. Product Overview

The Aramox 2-Speed RV Exhaust Fan is designed to provide efficient ventilation and improved air circulation in various recreational vehicles and spaces. Featuring a powerful 200 CFM airflow, two-speed adjustment, and integrated lighting, this fan ensures a fresh and comfortable environment. Its robust ABS construction guarantees durability and resistance to outdoor elements, while the included mesh screen offers added protection.



Figure 1: Aramox RV Exhaust Fan, showing its compact design and side profile.

2. Key Features

- **Enhanced Visibility:** Integrated lighting design ensures better visibility during nighttime or low-light conditions, improving overall vehicle functionality.
- **Simple Installation:** Designed for roof mounting with included screws, providing secure attachment to your RV. Features a mesh screen for added protection.
- **Premium Material:** Constructed from engineering-grade ABS material, making it extremely robust and resistant to corrosion, UV rays, aging, and yellowing, ideal for outdoor environments.
- **Powerful Performance:** Offers an exhaust air volume of 200 CFM and a two-speed adjustment, allowing for quick and efficient exchange of indoor and outdoor air.
- **Versatile Use:** Suitable for installation in various environments such as bathrooms, kitchens, warehouses, lounges, and specifically designed for RVs, campers, hostels, and yachts.

3. Specifications

Attribute	Value
Type	RV Roof Fan

Material	ABS
Dimensions (Fan)	Approx. 168 x φ217 mm (6.61 x 8.54 inches)
Installation Hole Size	Approx. 165 mm / 6.5 inches
Fan Power	6W
Fan Speed	5000 RPM
Airflow Volume	200 CFM
Wall Thickness for Installation	Approx. 10 – 86 mm (0.4 – 3.4 inches)
Electrical Connection	Red wire positive, Black wire negative
Mounting Method	Screw fixation, waterproof adhesive fixation
Weight	1.29 Kilograms
Color	#011

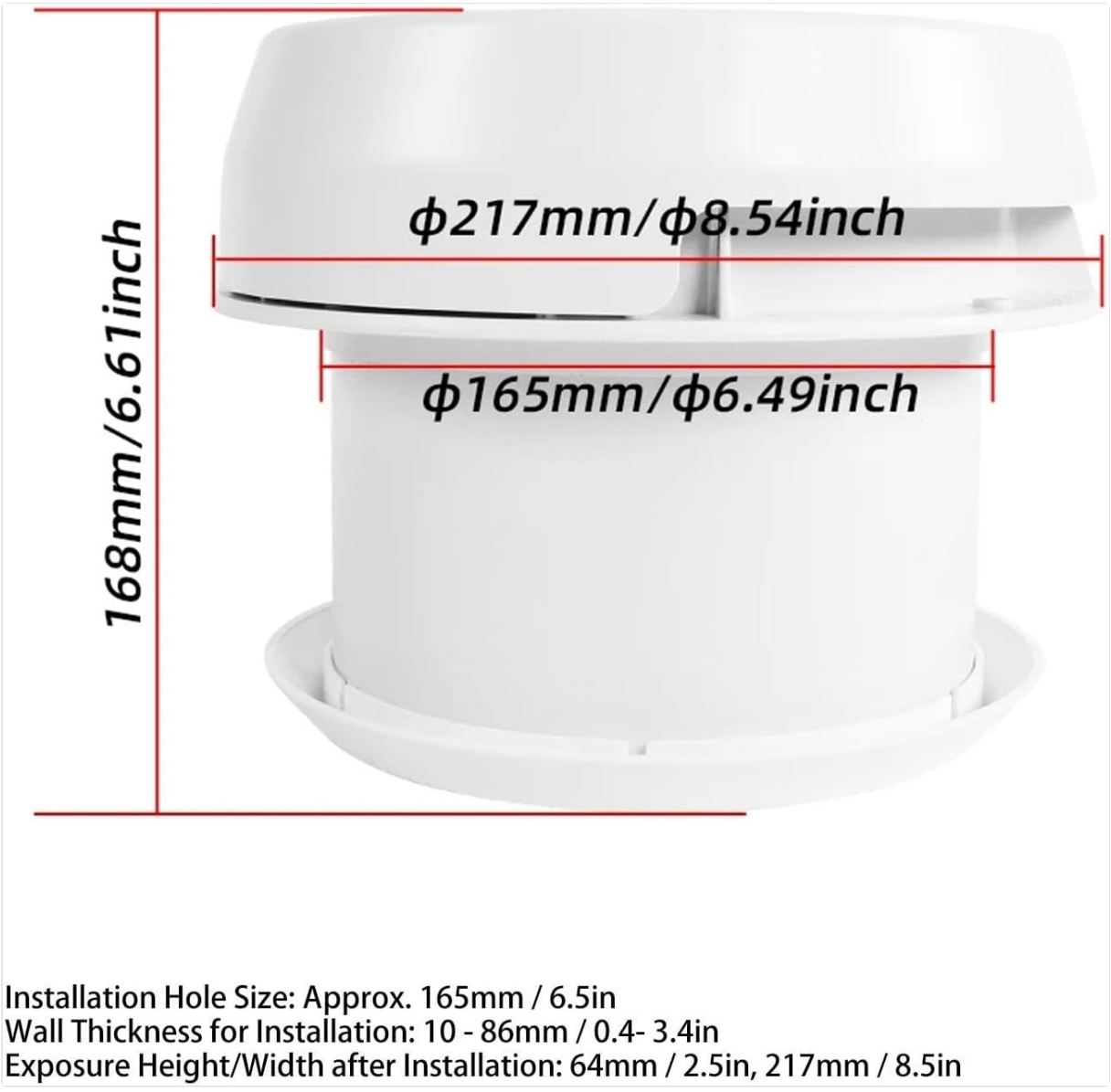


Figure 2: Detailed dimensions for installation, including fan diameter and height.

4. Safety Information

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply is disconnected before installation or maintenance.
- All electrical wiring should be performed by a qualified professional in accordance with local codes and regulations.
- Do not operate the fan if any part is damaged or if the wiring is exposed.
- Keep hands and foreign objects away from the fan blades during operation.
- Ensure proper sealing around the installation area to prevent water leakage.

5. Setup and Installation

The Aramox RV Exhaust Fan is designed for roof-mount installation. Follow these steps for a secure and effective setup:

1. **Prepare the Installation Area:** Choose a suitable location on the RV roof. Ensure the area is clean, dry, and free of obstructions. The installation hole size should be approximately 165 mm (6.5 inches).
2. **Cut the Hole:** Carefully cut a circular hole of the specified diameter in the RV roof. Ensure the wall thickness for installation is between 10-86 mm (0.4-3.4 inches). A PVC tube can be used for adjustment if needed.
3. **Disassemble the Fan (if necessary):** The fan may come in two main parts for easier installation. Separate the top and bottom sections if required.



Figure 3: The fan can be separated into two main components for installation.

4. **Electrical Connection:** Connect the fan's wiring to your RV's power supply. The **red wire is positive (+)** and the **black wire is negative (-)**. Ensure connections are secure and insulated.
5. **Position the Fan:** Place the fan assembly into the prepared hole. Ensure the mesh screen side is facing outwards (towards the exterior of the RV) and the fan blades are facing inwards.



Figure 4: Close-up of the fan blades and the protective mesh screen.

6. **Secure the Fan:** Use the included mounting screws to firmly secure the fan to the RV roof. Additionally, apply waterproof adhesive around the edges of the fan's base to ensure a watertight seal and prevent leaks.



Figure 5: Mounting screws are provided for secure installation.

7. **Test Operation:** Once installed, restore power and test the fan's operation and lighting functions.

6. Operating Instructions

The Aramox RV Exhaust Fan features a simple control switch for operation:



Figure 6: Top view of the fan, highlighting the two-speed control switch.

- **Power On/Off:** Locate the toggle switch on the fan's body.
- **Speed Adjustment:** The switch allows for two-speed settings. Move the switch to position 'I' for the first speed and 'II' for the second (higher) speed. Move to 'O' to turn the fan off.
- **Integrated Lighting:** The fan includes integrated lighting for enhanced visibility. This lighting operates in conjunction with the fan or may have a separate control depending on the specific model's wiring.

7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your RV exhaust fan:

- **Cleaning:** Periodically clean the fan blades and the mesh screen to prevent dust and debris buildup, which can reduce airflow efficiency. Use a soft cloth and mild detergent. Ensure the fan is off and disconnected from power before cleaning.
- **Inspect Wiring:** Annually check the electrical connections for any signs of wear, corrosion, or loose connections.

- **Check Seal:** Inspect the waterproof seal around the fan's base on the RV roof for any cracks or deterioration. Reapply waterproof adhesive if necessary to prevent leaks.

8. Troubleshooting

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

- **Fan Not Turning On:**
  - Check if the power supply to the fan is active.
  - Ensure the electrical connections (red positive, black negative) are correct and secure.
  - Verify the control switch is in the 'I' or 'II' position.
- **Low Airflow:**
  - Clean the fan blades and mesh screen for any dust or debris accumulation.
  - Ensure there are no obstructions blocking the fan's intake or exhaust.
  - Check if the fan is operating on the desired speed setting.
- **Unusual Noise During Operation:**
  - Inspect the fan blades for any foreign objects or damage.
  - Ensure the fan is securely mounted and not vibrating against the roof.
- **Light Not Working:**
  - Check the electrical connection to the light component.
  - If the light is integrated with the fan, ensure the fan is receiving power.

If the problem persists after attempting these solutions, please contact customer support.

9. Warranty and Support

Specific warranty information for this product is not available in the provided documentation. For details regarding warranty coverage, returns, or technical support, please refer to the product's packaging or contact the seller/manufacturer directly.
Manufacturer: Aramox
Model Number: Aramoxevgm8b40s6