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› [Treeligo Rooftop Air Conditioner for RV 9500 BTU Heating & Cooling \(Model: Tree-EAC002.18.12.HC\) - Instruction Manual](#)

Treeligo Tree-EAC002.18.12.HC

Treeligo Rooftop Air Conditioner

MODEL: TREE-EAC002.18.12.HC

9500 BTU Heating & Cooling, 12 Volt DC AC

1. Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Treeligo Rooftop Air Conditioner. Please read this manual thoroughly before installation and use, and keep it for future reference.

2. Product Overview & Features

The Treeligo Rooftop Air Conditioner is designed to provide efficient cooling and heating for various recreational vehicles. Its robust construction and advanced features ensure comfort and reliability on your travels.

- **Efficient Cooling & Heating Performance:** Delivers 9500 BTU of cooling power and heating function, maintaining ideal temperatures. Designed for energy efficiency to reduce power consumption.
- **Weatherproof ABS Construction:** The outer shell is crafted from high-strength ABS engineering plastics, offering exceptional UV and impact resistance against harsh weather conditions.
- **Stable Performance:** Compatible with 12V DC AC systems, ensuring smooth operation with on-board generators or camping power supplies. Supports concurrent operation of multiple devices.
- **Ultra-Quiet Operation:** Features brushless compressors for ultra-quiet performance, ensuring a comfortable and peaceful environment.



Figure 2.1: Treeligo Rooftop Air Conditioner unit. This image shows the complete outdoor unit of the air conditioner.

ABSOLUTELY QUIET

Low Speed Sound Level of 55 Decibels



Figure 2.2: Illustration of the air conditioner's quiet operation, showing sound levels compared to common noises.

SUITABLE FOR VARIOUS VEHICLES



Figure 2.3: Examples of various vehicles including RVs, trucks, campers, and excavators, where the air conditioner can be installed.

3. Specifications

Specification	Value
Brand Name	Treeligo
Model Info	Tree-EAC002.18.12.HC
Item Weight	70 pounds
Product Dimensions	7 x 28 x 26 inches
Efficiency	High Efficiency
Capacity	70 Pounds
Annual Energy Consumption	10 Kilowatt Hours Per Year

Noise Level	65 Decibels
Installation Type	Rooftop
Form Factor	Rooftop
Special Features	Fast Cooling, Panel Control, Remote Controlled
Color	White
Voltage	12 Volts
Wattage	1000 watts
Material Type	ABS

4. What's in the Box

The package includes all necessary components for installation and operation:

- Main Body (Outdoor Unit)
- Interior Trim Panel
- Remote Control
- Pull Rods
- Screw Bag (Mounting accessories kit)
- Sponge Strip
- Drain Pipe
- Instruction Manual

PACKING LIST



Figure 4.1: All components included in the Treeligo RV Air Conditioner package, laid out for inspection.

5. Installation Guide

Proper installation is crucial for optimal performance and safety. Follow these steps carefully.

5.1. Preparation

- Choose Installation Location:** The A/C unit installs at the skylight. Ensure the minimum roof size is 12.59" (L) x 9.45" (W). Suitable for standard roofs.
- Cut Skylight Opening:** Create a skylight opening suitable for the size of the skylight, typically >320 x 240mm.
- Clean Edges:** Clean the edges of the skylight opening thoroughly.
- Apply Sponge Rubber Strip:** Paste the sponge rubber strip around the opening. After pasting, apply sealant to the inner and outer rings of the sponge rubber strip for a watertight seal.

Video 5.1: Detailed guide on how to wire an RV roof air conditioner, covering electrical connections and safety.

5.2. Mounting the Outdoor Unit

5. **Position the Unit:** Place the roof-mounted air conditioner on the car roof. Adjust its position to make it stably and snugly fit against the rubber strip.
6. **Secure with Pull Rods:** According to the size of the vehicle's sunroof, fix the pull rod horizontally or vertically on the roof to make it secure. Tighten the mounting screws by hand initially, then with a wrench.
7. **Install Drain Pipes:** Remove the air conditioner cover and install drain pipes at the drainage holes on both sides of the air conditioner.
8. **Install Air Conditioner Casing:** Carefully install the air conditioner casing back onto the unit.



Figure 5.1: Visual guide showing the steps for easy installation: securing the AC unit to the roof, connecting power, and installing the plenum.

5.3. Wiring and Interior Panel Installation

9. **Connect Control Panel Wires:** The wires of the control panel are connected to the wires of the air conditioner main unit in a one-to-one correspondence.
10. **Install Interior Trim Panel:** Install the air conditioner interior trim panel, ensuring all connections are secure.
11. **Install Air Intake Filter:** Install the air intake filter and cover the bolt holes with bolt decorative caps.

12. **Connect Power Supply:** Connect the power supply for testing.

Video 5.3: A brief overview of the Treeligo RV Rooftop Air Conditioner, highlighting its key features and components.

6. Operating Instructions

Your Treeligo RV Air Conditioner can be operated via the integrated control panel or the included remote control.

6.1. Control Panel

The control panel features buttons for power, fan speed, mode selection (cooling/heating), and temperature adjustment. The digital display shows the current temperature and settings.

6.2. Remote Control

The remote control provides convenient access to all functions from a distance, including power, fan speed, mode, and temperature settings.



Figure 6.1: The interior panel of the air conditioner showing the control interface and adjustable vents, alongside the remote control.

7. Maintenance

Regular maintenance ensures the longevity and efficiency of your air conditioner.

- **Clean Air Filters:** Periodically clean or replace the air filters to maintain optimal airflow and cooling efficiency.
- **Inspect Drainage:** Ensure the drain pipes are clear of obstructions to prevent water buildup.
- **Check Electrical Connections:** Regularly inspect all electrical connections for tightness and signs of wear.
- **Clean Exterior:** Keep the exterior unit clean from debris, leaves, and dirt to ensure proper heat exchange.

8. Troubleshooting

If you encounter issues with your air conditioner, refer to the following common troubleshooting tips:

- **Unit Not Turning On:** Check the power supply and all electrical connections. Ensure the battery is adequately charged.
- **Insufficient Cooling/Heating:** Verify that the air filters are clean and not obstructed. Check the temperature settings and ensure the correct mode is selected.
- **Unusual Noise:** Inspect the unit for any loose parts or debris that might be causing the noise.
- **Water Leakage:** Check the drain pipes for blockages or improper installation.

For persistent issues, please contact customer support.

9. Warranty & Support

Your Treeligo Rooftop Air Conditioner comes with a manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions.

For technical support, warranty claims, or spare parts, please contact Treeligo customer service through their official channels or the retailer where you purchased the product.

Online Support: Visit the [Treeligo Store on Amazon](#) for FAQs and additional resources.