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> ASA Electronics ACM135 Advent Air 13,500 BTU Roof Top AC Instruction Manual

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Model: ACM135 | Brand: ASA Electronics

1. PRODUCT OVERVIEW

The Advent ACM135 Rooftop Air Conditioner is a high-quality 13,500 BTU unit specifically engineered for the RV environment. Designed for durability and efficient cooling, this unit features a rigid, metal constructed base pan and a premium, thick, watertight vent opening gasket with six dense foam support pads. It operates on 115 Volt AC power and is built to withstand the challenges of mobile use.



Figure 1: The ASA Electronics ACM135 Advent Air 13,500 BTU Roof Top AC Unit, showcasing its sleek white exterior and side vents.

2. KEY FEATURES

- **13,500 BTUs Cooling Capacity:** Provides powerful cooling for RV interiors.

- **115 Volt AC Power:** Standard power requirement for easy integration.
- **Rigid, Metal Constructed Base Pan:** Ensures durability and long-term reliability.
- **Premium, Thick, Watertight Vent Opening Gasket:** Features six dense foam support pads for a secure and leak-free installation.
- **Three Fan Speeds:** Allows for adjustable airflow and comfort control.
- **Standard Installation:** Designed to fit standard 14.25" x 14.25" vent openings.
- **Optional Plug-in Heat Strip Available:** Provides heating capability (sold separately).

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your Advent ACM135 AC unit. It is recommended that installation be performed by a qualified technician. Ensure all safety precautions are followed during the installation process.

3.1 Pre-Installation Checklist

- Verify the roof opening dimensions are 14.25" x 14.25".
- Confirm adequate structural support in the RV roof for the unit's weight (approximately 68.4 lbs).
- Ensure 115 Volt AC power supply is available and properly wired.
- Gather necessary tools: screwdriver set, sealant, measuring tape, drill.

3.2 Mounting the Unit

1. Carefully lift the rooftop unit onto the RV roof, aligning it with the vent opening.
2. Ensure the watertight vent opening gasket is properly seated around the opening to prevent leaks.
3. From inside the RV, install the interior ceiling assembly, securing it with the provided mounting bolts. Tighten bolts evenly to compress the gasket and create a seal.
4. Connect the electrical wiring according to the wiring diagram (refer to the separate wiring diagram if not included in this manual).



Figure 2: Dimensions of the Advent ACM135 AC unit, showing approximate measurements of 33.46" (length) x 25.6" (width) x 15" (height).

4. OPERATING INSTRUCTIONS

The Advent ACM135 is designed for user-friendly operation. The controls are located on the interior ceiling assembly.

4.1 Control Knobs

- **Temperature Control Knob:** Adjusts the desired cooling level. Turn towards "Colder" for increased cooling.
- **Fan Speed/Mode Selector Knob:** Selects fan speed (Low, Medium, High) and operating mode (Off, Lo Fan, Med Fan, Hi Fan, Lo Cool, Hi Cool, Opt Heat).

4.2 Air Distribution

The unit features adjustable air distribution vents. These vents can be rotated to direct airflow in various directions, allowing for customized comfort within your RV. To adjust, simply rotate the black louvers within the vent opening to your desired angle.

5. MAINTENANCE

Regular maintenance ensures efficient operation and extends the lifespan of your AC unit.

5.1 Filter Cleaning

The Advent ACM135 features a washable filter. It is recommended to clean the filter regularly, especially during periods of frequent use, to maintain optimal airflow and cooling efficiency.

1. Turn off the AC unit and disconnect power.
2. Locate and remove the air filter from the interior ceiling assembly.
3. Wash the filter with mild soap and water.
4. Allow the filter to air dry completely before re-installing.

5.2 Exterior Cleaning

Periodically inspect and clean the exterior of the rooftop unit to remove any debris, leaves, or dirt that may obstruct airflow or drainage. Use a soft brush and mild detergent if necessary, rinsing thoroughly with water.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; tripped circuit breaker; loose wiring.	Check power connection; reset circuit breaker; inspect wiring connections.
Insufficient cooling.	Dirty air filter; obstructed condenser coils; low refrigerant.	Clean air filter; clear obstructions from coils; contact qualified technician for refrigerant check.
Unusual noise during operation.	Loose components; fan obstruction; motor issue.	Inspect for loose parts; remove any obstructions; contact qualified technician.
Water leaking from unit.	Clogged drain pan/hose; improper installation gasket.	Clear drain; inspect and reseal gasket if necessary (professional assistance recommended).

7. SPECIFICATIONS

- **Model:** ACM135
- **Cooling Capacity:** 13,500 BTUs
- **Power Source:** 115 Volt AC power
- **Amperage:** 14 Amps
- **Wattage:** 3000 watts
- **Item Weight:** Approximately 68.4 pounds
- **Product Dimensions:** 33.46 x 25.6 x 15 inches (L x W x H)
- **Fan Speeds:** 3 (Low, Medium, High)
- **Installation Opening:** Standard 14.25" x 14.25" vent opening
- **Refrigerant:** R 410A
- **Filter Type:** Washable

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please contact ASA Electronics customer service. Refer to your purchase documentation for specific warranty terms and conditions.

Manufacturer: ASA Electronics

Contact Information: Please visit the official ASA Electronics website or refer to the contact details provided with your product packaging.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question