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Frigidaire FHPC082AC1

Frigidaire Portable Room Air Conditioner User Manual

Model: FHPC082AC1

1. Product Overview

The Frigidaire FHPC082AC1 Portable Room Air Conditioner is designed to provide efficient cooling and dehumidification for your living space. This compact and lightweight unit, operating at 115V and 830W, is ideal for cooling areas up to 350 sq. ft. It features adjustable fan speeds, a programmable 24-hour timer, a dehumidifying Dry Mode, and a quiet operation at 50 dBA. For ease of use, it includes smooth-rolling caster wheels and a convenient remote control. Maintenance is simplified with an easy-to-clean washable dust filter and a Clean Filter alert system.





Figure 1: Front view of the Frigidaire Portable Room Air Conditioner.

This unit is designed for portability, allowing you to move it easily between rooms as needed. Its energy-efficient design includes a Sleep Mode that gradually adjusts the temperature for comfort and energy savings. The unit's compact dimensions are approximately 13.78 x 12.17 x 26.8 inches, and it weighs 52 pounds.



Figure 2: Key features and dimensions of the portable air conditioner.

2. Important Safety Instructions

To reduce the risk of fire, electrical shock, or injury when using your air conditioner, follow these basic precautions:

- Read all instructions before using this appliance.
- Plug into a grounded 3-prong outlet. Do not remove the grounding prong.
- Do not use an adapter. Do not use an extension cord.
- Do not operate any air conditioner with a damaged cord or plug.
- Do not block air openings.
- Do not use in wet areas like bathrooms or laundry rooms.
- Keep flammable materials and vapors away from the air conditioner.
- Unplug the air conditioner before cleaning or servicing.
- Use two or more people to move and install the air conditioner.

3. Setup and Installation

3.1 Unpacking

- Carefully remove the air conditioner from its packaging.
- Remove all packing materials, including any tape or labels.
- Ensure all accessories are present: exhaust hose, window panel kit, remote control, and drain hose.
- Allow the unit to stand upright for at least 6-24 hours before use to ensure proper compressor lubrication.

3.2 Window Installation Kit

The portable air conditioner comes with a window kit for venting hot air outside. This kit includes an exhaust hose, hose adapters, and a window panel assembly.

- Attach the round hose adapter to one end of the exhaust hose by twisting it clockwise.
- Attach the flat hose adapter to the other end of the exhaust hose.
- Insert the round hose adapter into the exhaust outlet on the back of the air conditioner.
- Adjust the window panel assembly to fit your window opening. Secure it in place.
- Insert the flat hose adapter into the opening of the window panel assembly.
- Ensure all connections are secure to prevent air leakage. Use the provided insulation foam and tape to seal any gaps around the window kit for optimal performance.



Figure 3: Portable air conditioner properly set up in a room, venting hot air through a window.

4. Operating Instructions

4.1 Control Panel and Remote Control

Your Frigidaire portable air conditioner can be operated using the intuitive control panel on top of the unit or the

included remote control.



Figure 4: Detailed view of the unit's control panel.



Figure 5: The remote control for convenient operation.

4.2 Operating Modes

- **Cool Mode:** Provides powerful cooling. Adjust the temperature setting using the up/down arrows. The unit can cool down to 60°F.
- **Dry Mode (Dehumidifier):** Removes excess moisture from the air without significant cooling. Ideal for humid environments.
- **Fan Mode:** Circulates air without cooling. Choose between Low and High fan speeds.
- **Sleep Mode:** Gradually increases the set temperature overnight for quiet operation and energy savings.
- **Auto Mode:** The unit automatically selects the operating mode and fan speed based on the ambient room temperature.

4.3 Fan Speeds

The unit offers multiple fan speeds for customized comfort:

- **Low:** For quiet operation and gentle air circulation.
- **High:** For maximum cooling and air circulation.

- **Auto:** The unit automatically adjusts the fan speed based on the cooling needs.



Figure 6: Visual representation of quiet operation and available modes.

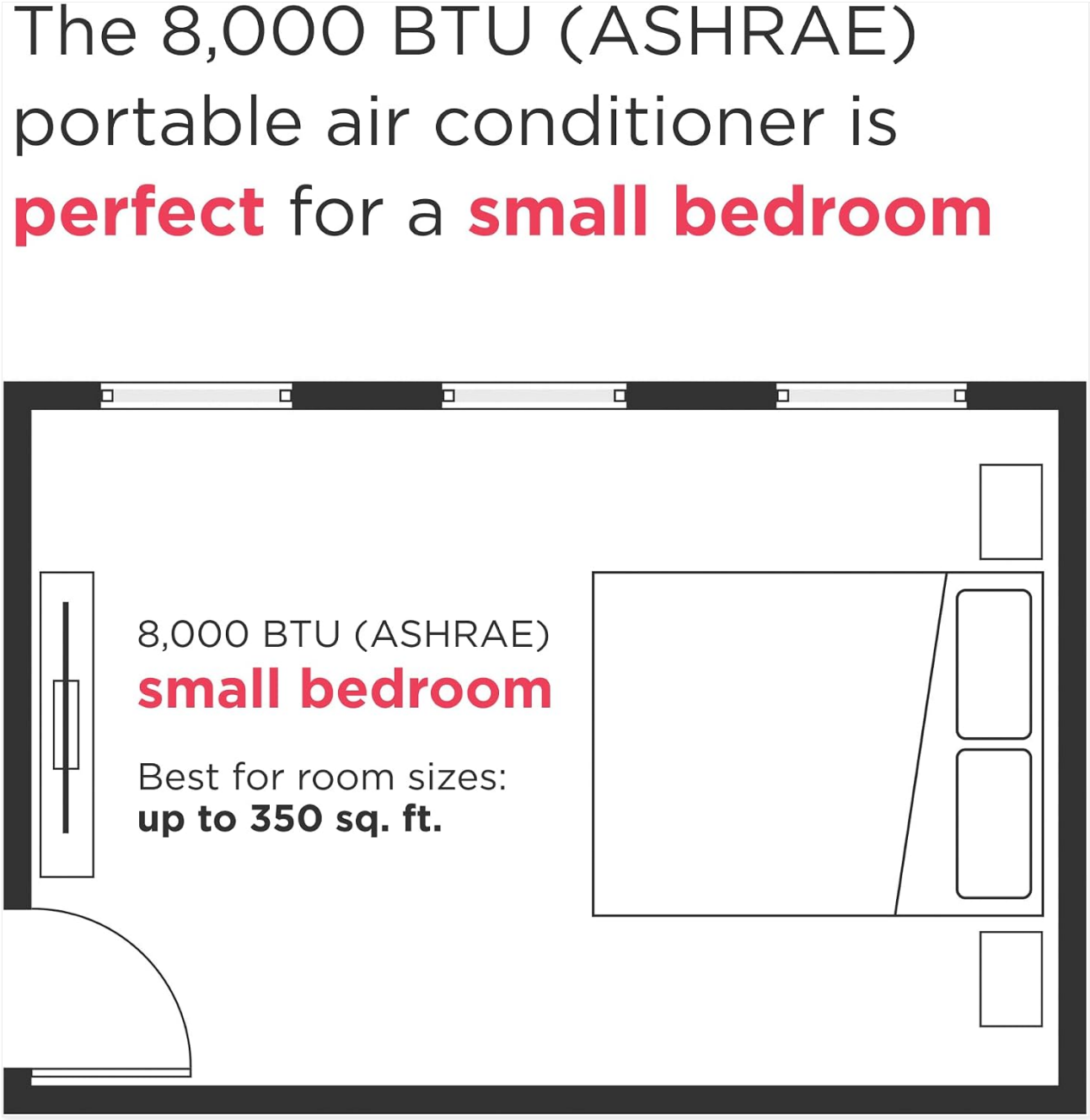

Figure 7: Noise level comparison, highlighting the unit's quiet operation at 50 dBA.

4.4 Timer Function

The 24-hour on/off timer allows you to program the unit to turn on or off at specific times, providing customized comfort and energy savings.

4.5 Official Product Feature Video

▶ **Watch video online**
Portable AC Feature Video

Video 1: An official feature video showcasing the Frigidaire Portable AC. This video highlights various functionalities and design aspects of the unit.

5. Care and Maintenance

5.1 Cleaning the Air Filter

Regular cleaning of the washable dust filter is crucial for maintaining the air conditioner's efficiency and air quality.

The unit features a 'Clean Filter' alert to remind you when it's time to clean.

- Turn off and unplug the air conditioner before cleaning.
- Locate the air filter on the back of the unit.
- Gently pull the filter out.
- Wash the filter with warm, soapy water. Rinse thoroughly.
- Allow the filter to air dry completely before reinserting it into the unit.
- Press the 'Filter Reset' button on the control panel after cleaning and reinstallation.



Figure 8: Steps for removing and cleaning the washable air filter.

5.2 Water Drainage

During dehumidification or in very humid conditions, the unit will collect water. The unit has an internal reservoir, but for continuous operation, you can attach the included drain hose to the drain port on the back of the unit and direct it into a bucket or floor drain.

5.3 Storage

When storing the unit for an extended period:

- Drain all condensed water from the unit.
- Clean the air filter.
- Store the unit in an upright position in a cool, dry place.

6. Troubleshooting Guide

Before calling for service, review this table for common issues and their solutions.

Problem	Possible Cause	Solution
Air conditioner does not start.	No power; Power cord reset button tripped.	Ensure unit is plugged in; Press the reset button on the plug.
Unit does not cool.	Air filter is dirty; Room size too large; Exhaust hose not properly installed.	Clean the air filter; Ensure room size is within unit capacity (up to 350 sq. ft.); Check exhaust hose for proper connection and no kinks.
Unit is noisy.	Unit is not level; Air filter is dirty.	Place unit on a flat, level surface; Clean the air filter.
Water leaks from the unit.	Drain plug is loose; Unit is tilted.	Check and tighten the drain plug; Ensure unit is on a level surface.

7. Product Specifications

Specification	Value
Model Number	FHPC082AC1
Cooling Capacity (ASHRAE)	8,000 BTU
Cooling Capacity (DOE)	5,500 BTU
Recommended Coverage Area	Up to 350 sq. ft.
Product Dimensions (D x W x H)	12.17" x 13.78" x 26.8"
Item Weight	52 pounds
Voltage	115V
Noise Level	50 dBA
Included Components	Washable filter, remote control

Specification	Value
Special Features	Filter Light Reminder, Remote Controlled, 4 Way Swing, Dust Filter, Dehumidifier

8. Warranty and Customer Support

8.1 Manufacturer's Warranty

This Frigidaire Portable Room Air Conditioner (Model FHPC082AC1) comes with a **1-year manufacturer's warranty**. Please refer to the official user manual for detailed terms and conditions regarding warranty coverage and claims.

8.2 Additional Protection Plans

Extended protection plans are available for purchase to provide additional coverage beyond the standard manufacturer's warranty. Options include 3-Year and 4-Year Protection Plans, as well as a Complete Protect monthly plan.

8.3 Customer Support

For any questions, technical assistance, or warranty claims, please contact Frigidaire Customer Support. You can also refer to the comprehensive Official User Manual (PDF) for more detailed information.

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.

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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.

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