ACiQ ACiQ 13.1 EER1

ACiQ 13.1 EER1 7,000 BTU PTAC Heat Pump Air Conditioner Unit User Manual

Model: ACiQ 13.1 EER1 | Brand: ACiQ

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your ACiQ 13.1 EER1 7,000 BTU PTAC Heat Pump Air Conditioner Unit. Please read this manual thoroughly before using the unit and retain it for future reference.

The ACiQ PTAC unit is designed to provide both cooling and heating for rooms up to 200-300 square feet. It features a 13.1 EER cooling rating and includes a 2.5 kW backup electric heat kit for consistent comfort in colder conditions. The unit is equipped with a smart Wi-Fi thermostat for advanced control and pre-installed air filters for convenience.

Image 1.1: The ACiQ PTAC unit shown with its included remote control and a smartphone displaying the Wi-Fi thermostat application.

Image 1.2: The ACiQ PTAC unit, demonstrating its compatibility with both a physical remote and a smartphone application for control.

2. SAFETY INFORMATION

Please observe the following safety precautions to reduce the risk of electric shock, fire, or injury.

- Read all instructions before using the appliance.
- Ensure the unit is properly grounded.
- Do not operate the unit with a damaged power cord or plug.
- Do not insert fingers or objects into the air inlet/outlet.
- Keep flammable materials away from the unit.
- Always disconnect power before cleaning or servicing.
- Installation must be performed by qualified personnel in accordance with all local and national electrical codes.

3. PACKAGE CONTENTS

Your ACiQ PTAC unit package includes the following items:

- ACiQ 13.1 EER1 7,000 BTU PTAC Heat Pump Air Conditioner Unit
- Cielo Breez+ Wi-Fi Thermostat
- Remote Control

- Drain Kit
- 7 ft Power Cord with NEMA 6-15P Plug
- Two Washable Air Filters (pre-installed)

4. SETUP AND INSTALLATION

The ACiQ PTAC unit is designed for drop-in replacement and features universal 42" x 16" dimensions, allowing it to be installed in place of an existing standard-sized PTAC unit. This enables the reuse of an existing PTAC wall sleeve and grille.

Important Note: Installation will require a wall sleeve, grille, and a 208/230V NEMA 6-20P power receptacle, which are not included with this unit.

Image 4.1: The ACiQ PTAC unit illustrating its standard dimensions of 42 inches by 16 inches by 21 inches for compatibility with existing wall sleeves.

4.1 Electrical Requirements

Ensure your electrical supply meets the following specifications:

- **Electrical:** 208/230V 1Ph 60Hz
- **Breaker Size:** 15 Amps

- **Plug Type:** NEMA 6-15P (power cord included)

Image 4.2: A close-up of the NEMA 6-15P plug, alongside a summary of the unit's electrical and performance specifications.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation Modes

The unit offers Cooling, Heating, and Fan-only modes to suit your comfort needs.

- **Cooling:** Operates efficiently in outdoor temperatures up to 109°F.
- **Heating:** Provides heat down to 32°F. Below this temperature, the 2.5 kW backup electric heat kit automatically engages to maintain consistent warmth.
- **Fan:** Circulates air without heating or cooling, ideal for maintaining air movement around 69°F.

Image 5.1: Visual representation of the ACiQ PTAC unit's three operational modes: Cooling, Fan, and Heating, with their respective effective outdoor temperature ranges.

Image 5.2: An internal view of the ACiQ PTAC unit, highlighting its high-efficiency heat pump and the potential for up to 40% energy cost savings.

5.2 Wi-Fi Thermostat (Cielo Breez+)

The included Cielo Breez+ Wi-Fi thermostat connects via a built-in infrared (IR) sensor, enabling advanced control features:

- **7-Day Programmability:** Schedule your comfort settings for the entire week.
- **Usage Statistics:** Monitor energy consumption.
- **Geo-fencing:** Automatically adjust settings based on your proximity to the unit.
- **App Control:** Manage your unit from your smartphone.
- **Voice Control:** Compatible with Alexa, Siri, and Google Assistant for hands-free operation.
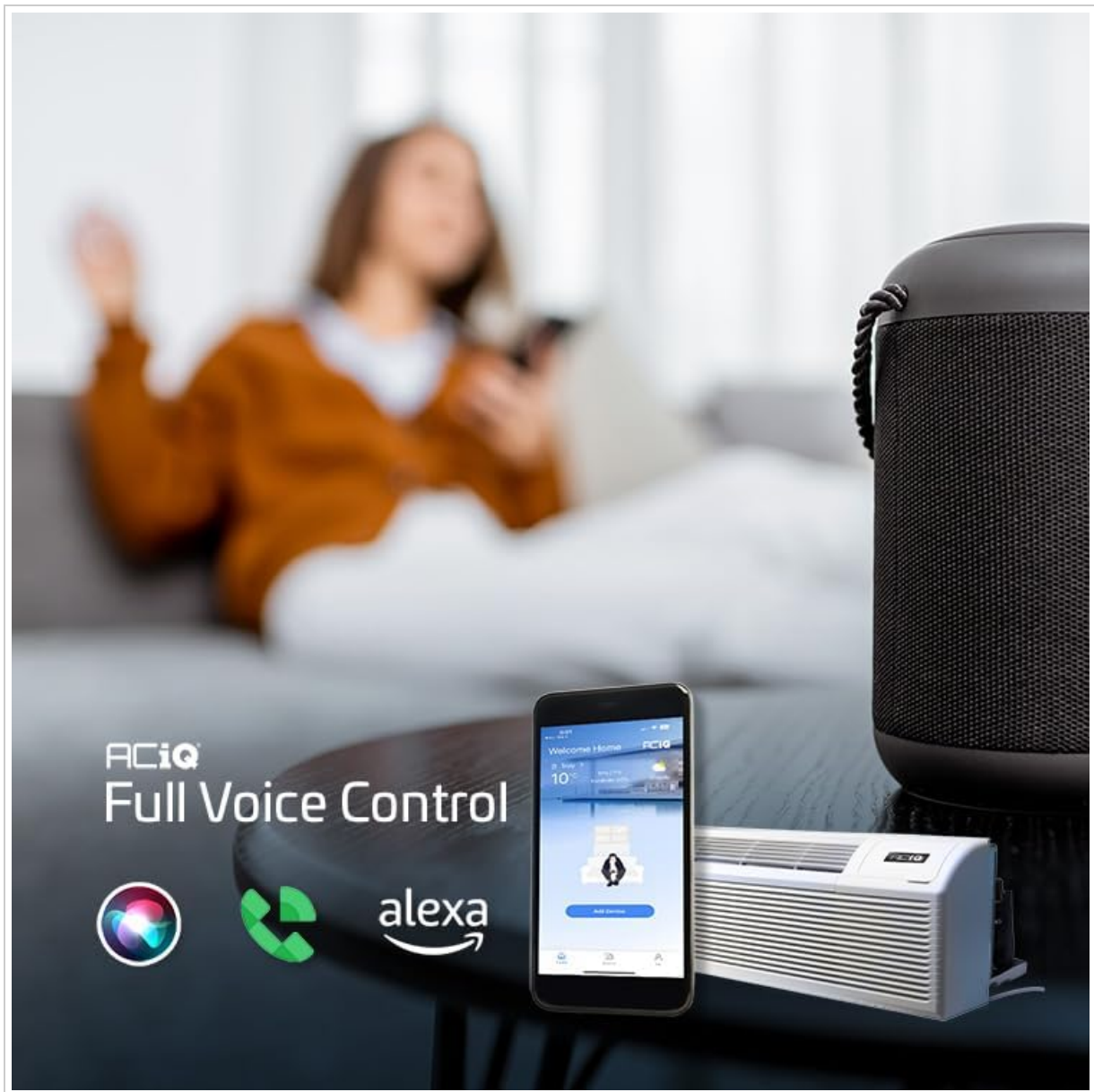
Image 5.3: A smartphone screen showing the ACiQ control app, with icons indicating compatibility with Siri, Google Assistant, and Alexa for full voice control.

5.3 Auto Restart Feature

In the event of a power outage, the unit will automatically restart with your most recently used settings once power is restored. This ensures continuous comfort without manual resetting.

Image 5.4: A child blowing out a candle, metaphorically representing the unit's auto-restart feature that restores settings after a power interruption.

5.4 Manual Controls

The unit also features an LED display and physical buttons for direct control of settings.

Image 5.5: A hand interacting with the control panel of the ACiQ PTAC unit, showing the LED display and physical buttons for manual adjustments.

6. MAINTENANCE

6.1 Air Filter Cleaning

The unit comes with two washable air filters. Regular cleaning of these filters is crucial for maintaining optimal performance and air quality.

1. Disconnect the unit from the power supply before attempting any maintenance.
2. Locate and carefully remove the air filters from the unit.
3. Wash the filters with lukewarm water and a mild detergent.
4. Rinse thoroughly and allow them to air dry completely before re-installing.
5. Re-install the dry filters and restore power to the unit.

Image 6.1: A hand demonstrating the removal of an air filter from the ACiQ PTAC unit for cleaning or replacement.

7. TROUBLESHOOTING

If you encounter issues with your ACiQ PTAC unit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	No power, tripped breaker, loose connection	Check power cord, reset circuit breaker, ensure secure plug connection.
Insufficient cooling/heating	Dirty air filters, blocked air intake/outlet, incorrect mode setting, room size exceeds capacity	Clean air filters, clear obstructions, verify mode, ensure unit is appropriate for room size (7,000 BTU for 200-300 sq ft).
Unusual noise	Loose parts, foreign object, unit not level	Inspect for loose components, remove any foreign objects, ensure unit is installed on a level surface.
Wi-Fi connectivity issues	Router issues, incorrect Wi-Fi settings, signal interference	Restart router, reconfigure Wi-Fi settings in the app, ensure unit is within Wi-Fi range.

8. SPECIFICATIONS

Feature	Specification
Brand	ACiQ
Model Name	ACiQ 13.1 EER1
Cooling Capacity	7,000 BTU
Heating Output	6,200 BTU
Backup Electric Heat	2.5 kW / 7,800 BTU
Efficiency Rating (EER)	13.1
Seasonal Energy Efficiency Ratio (SEER)	13.1
Electrical	208/230V 1Ph 60Hz
Breaker Size	15 Amps
Plug Type	NEMA 6-15P
Refrigerant	R 410A
Sound Level	49.2 to 51 dB(A)
Installation Type	Wall-Mounted (PTAC)
Unit Dimensions (Approx.)	42 inches (W) x 16 inches (H) x 21 inches (D)
Coverage Area	200-300 square feet
Special Features	WiFi Enabled, Backup Electric Heat, Auto Restart, Washable Air Filters
Control Method	Remote, Wi-Fi App, Manual Buttons
BEE Star Rating	Energy Star Certified
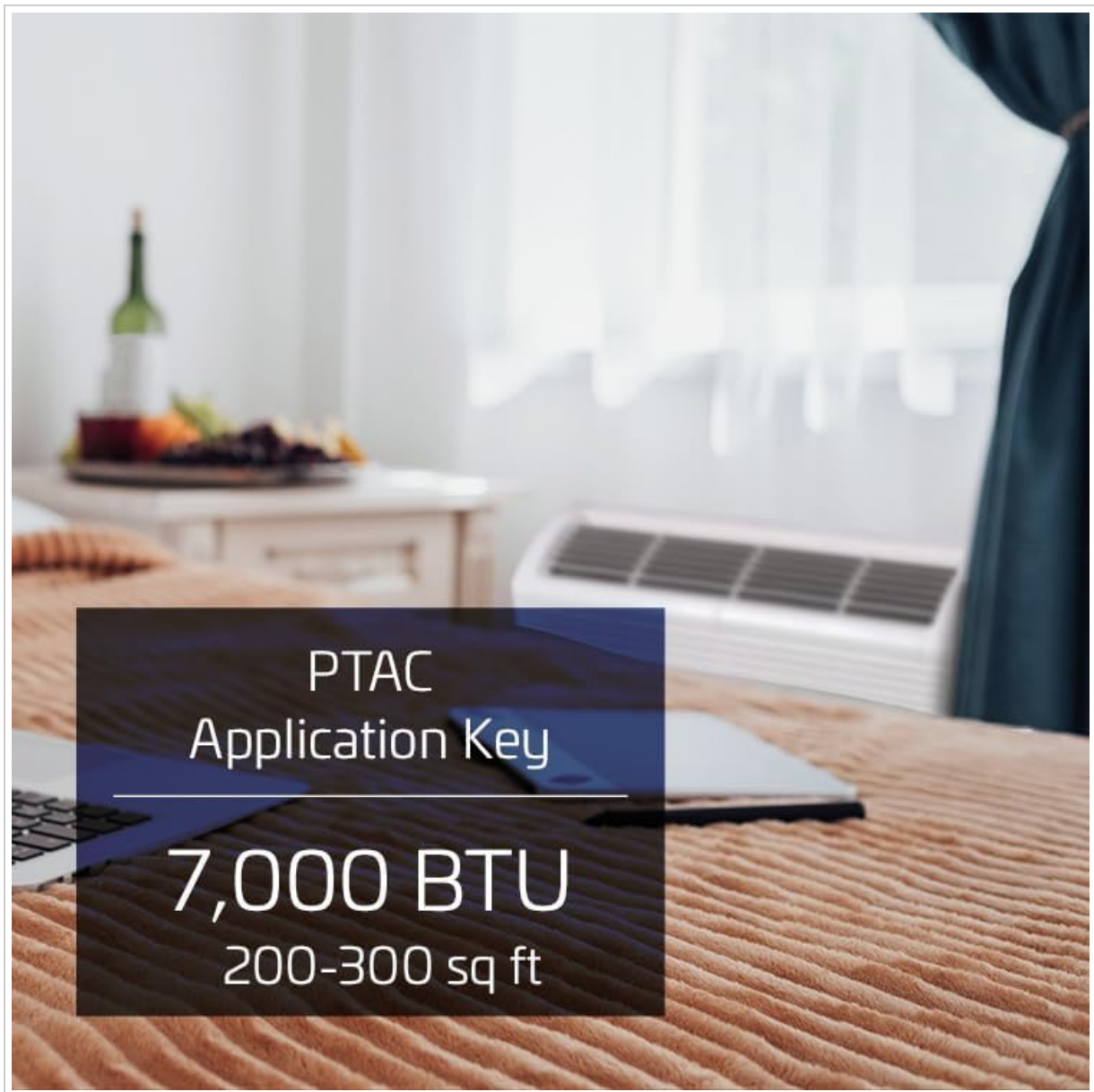
Image 8.1: An application key indicating that the 7,000 BTU unit is suitable for areas between 200 and 300 square feet.

9. WARRANTY AND SUPPORT

9.1 Warranty Information
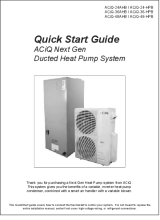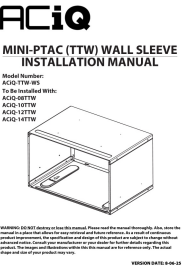
This ACiQ PTAC unit comes with a **Limited Warranty**. For specific details regarding coverage, duration, and terms, please refer to the warranty card included with your product or visit the official ACiQ website.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact ACiQ customer support. Contact information can typically be found on the manufacturer's website or in the product packaging.

Related Documents - ACiQ 13.1 EER1

ACiQ SERVICE MANUAL PTAC-B SERIES: 7K-15K BTU/H Models Covered: ACIQ-07PTC-B ACIQ-09PTC-B ACIQ-12PTC-B ACIQ-15PTCS-B VERSION DATE: 03-11-24	**ACiQ PTAC-B Series Service Manual: 7K-15K BTU/H** Comprehensive service manual for the ACiQ PTAC-B Series air conditioners, covering models from 7K to 15K BTU/H. Includes installation, operation, troubleshooting, and technical specifications.
ACiQ MINI-PTAC SYSTEM INSTALLATION & OWNER'S MANUAL Models Covered: ACIQ-08TTW ACIQ-10TTW ACIQ-12TTW ACIQ-14TTW VERSION DATE: 2-09-23	**ACiQ Mini-PTAC System Installation & Owner's Manual** Comprehensive installation and owner's manual for the ACiQ Mini-PTAC System, covering safety, installation, operation, maintenance, and troubleshooting for models ACiQ-08TTW, ACiQ-10TTW, ACiQ-12TTW, and ACiQ-14TTW.
Quick Start Guide ACiQ Next Gen Ducted Heat Pump System ACIQ-28XXB | ACIQ-24-HP8 ACIQ-36XXB | ACIQ-36-HP8 ACIQ-48XXB | ACIQ-48-HP8	**ACiQ Next Gen Ducted Heat Pump System: Quick Start Guide for Thermostat Wiring** This guide provides essential information for connecting and wiring thermostats to the ACiQ Next Gen Ducted Heat Pump System. It details recommended and alternative connection options, including DIP switch settings and terminal block configurations for various thermostat types.
ACiQ MINI-PTAC (TTW) WALL SLEEVE INSTALLATION MANUAL Model Number: ACIQ-TTW-WS To Be Installed With: ACIQ-08TTW ACIQ-10TTW ACIQ-12TTW ACIQ-14TTW VERSION DATE: 8-06-23	**ACiQ MINI-PTAC (TTW) Wall Sleeve Installation Manual** Installation manual for the ACiQ MINI-PTAC (TTW) wall sleeve, providing step-by-step instructions for assembly and installation of the wall sleeve.
ACiQ 9K-24K STANDARD HEAT SINGLE-ZONE SYSTEMS INSTALLATION & OWNER'S MANUAL Models Covered: ACIQ-09WS-HP115C ACIQ-09ZS-HP115C ACIQ-09WS-HP230C ACIQ-09ZS-HP230C ACIQ-12WS-HP115C ACIQ-12ZS-HP115C ACIQ-12WS-HP230C ACIQ-12ZS-HP230C ACIQ-18WS-HP230C ACIQ-18ZS-HP230C ACIQ-24WS-HP230C ACIQ-24ZS-HP230C VERSION DATE: 2-09-25	**ACiQ 9K-24K Standard Heat Single-Zone Systems: Installation & Owner's Manual** ACiQ 9K-24K Standard Heat Single-Zone Systems Installation & Owner's Manual. This guide details installation, operation, safety, and maintenance for ACiQ air conditioners, including model specifics and R454B refrigerant information.
Quick Start Guide ACiQ Next Gen Ducted Heat Pump System ACIQ-24-A9B/ACIQ-24-HP8 ACIQ-36-A9B/ACIQ-36-HP8 ACIQ-48-A9B/ACIQ-48-HP8 ACIQ-60-A9B/ACIQ-60-HP8	**ACiQ Next Gen Ducted Heat Pump System Quick Start Guide** Quick Start Guide for the ACiQ Next Gen Ducted Heat Pump System, covering wiring diagrams, thermostat connections, and DIP switch settings for various installation scenarios.