**ACiQ RXNG09AXVJU / FTXNG09AXVJU**

# Goodman Mini-Split AC/Heating System E-Series User Manual

Model: RXNG09AXVJU / FTXNG09AXVJU | Brand: ACiQ

## INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Goodman Mini-Split AC/Heating System E-Series. Please read this manual thoroughly before installation and use, and retain it for future reference. This system is designed to provide efficient heating and cooling for residential and light commercial applications.

## SETUP AND INSTALLATION

The Goodman Mini-Split AC/Heating System E-Series includes an indoor wall-mounted air handler unit, an outdoor mini-split heat pump condenser, and a comprehensive installation kit. Professional installation is recommended for optimal performance and safety.

### Components Included

- Indoor Wall Mounted Air Handler Unit
- Outdoor Mini Split Heat Pump Condenser
- Line Set (30-foot length, 1/4 x 3/8 copper lines)
- Control Wire
- Wall Mount Bracket (18 1/4" Length)
- Line Cover Guards
- Drain Tube (20-foot)
- Wireless Remote Control

Figure 1: Overview of the Goodman Mini-Split AC/Heating System E-Series and its included components, showing the indoor unit, outdoor unit, remote control, and installation kit elements.

## Installation Considerations

Ensure the installation area for both indoor and outdoor units meets the required clearances for proper airflow and maintenance. The system operates on 208/230V, 1 Phase, 60Hz power. The 0.75-ton unit is designed to efficiently heat and cool areas up to 400 square feet.

Figure 2: Detailed view of the ACiQ Mini Split Installation Kit, including line sets, control wire, drain tube, wall mount bracket, and line cover guards.

## OPERATING INSTRUCTIONS

Your Goodman E-Series Mini-Split system offers various modes and features for optimal comfort and energy efficiency.

### Basic Operation Modes

- **Cooling Mode:** Reduces room temperature to the desired setting.
- **Heating Mode:** Increases room temperature to the desired setting.
- **Fan Mode:** Circulates air without heating or cooling.
- **Dry Mode (Dehumidification):** Reduces humidity in the room.
- **Auto Mode:** Automatically selects heating or cooling based on the set temperature and current room temperature.

### Key Features and Controls

- **Wireless Backlight Remote Control:** Allows convenient adjustment of settings from anywhere in the room.

- **Auto-Restart After Power Failure:** The unit will automatically resume operation with previous settings after a power outage.
- **Self-Diagnosis with Digital Display:** Provides error codes on the digital display for easier troubleshooting.
- **Adjustable LED Display ON/OFF:** Control the visibility of the unit's LED display.
- **Power Saving Sleep Mode Set-up:** Optimizes temperature and fan speed for comfortable sleep while conserving energy.



Figure 3: Illustration of the key features of the Goodman E-Series Mini-Split system, including remote control, auto-restart, self-diagnosis, and various operational modes.

## MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your mini-split system. Always disconnect power to the unit before performing any maintenance.

## Filter Cleaning

The system is equipped with a Catechin Air Quality Filter System and a Titanium Apatite Deodorising Filter. These filters should be cleaned regularly, typically every 2-4 weeks depending on usage and air quality. Refer to the specific instructions in your full

product manual for filter removal and cleaning procedures. Generally, filters can be gently vacuumed or washed with lukewarm water and mild detergent, then air-dried completely before reinstallation.

## Drain Pan Maintenance

The indoor unit features a removable dirt-water drain pan. Periodically inspect and clean the drain pan to prevent mold growth and blockages, which can lead to water leaks. Ensure the drain tube is clear and free of obstructions.

## Unit Cleaning

The indoor unit has a wipe-clean flat panel. Use a soft, damp cloth to clean the exterior surfaces. Do not use harsh chemicals or abrasive cleaners. For the outdoor unit, ensure the coils are free of debris and obstructions. The outdoor unit also features anti-corrosion treatment for enhanced durability.

## TROUBLESHOOTING

Before contacting customer support, please refer to the following common issues and solutions. The self-diagnosis feature with a digital display can provide initial indications of problems.

| Problem | Possible Cause | Solution |
|---|---|---|
| Unit does not turn on | No power, remote control batteries low, unit switch off. | Check power supply, replace remote batteries, ensure indoor unit ON/OFF switch is engaged. |
| Insufficient heating/cooling | Dirty air filters, blocked outdoor unit, incorrect mode/temperature setting, refrigerant leak. | Clean filters, clear obstructions from outdoor unit, verify settings, contact professional for refrigerant check. |
| Unusual noise | Loose parts, fan obstruction, refrigerant flow noise (normal). | Inspect for loose parts or obstructions. If noise persists or is abnormal, contact service. |
| Water leakage from indoor unit | Clogged drain pan/tube, improper installation. | Clean drain pan and tube. If issue persists, professional inspection is required. |
| Digital display shows error code | Internal system fault. | Note the error code and consult the full product manual or contact customer support for specific guidance. |

For issues not listed or if troubleshooting steps do not resolve the problem, please contact a qualified HVAC technician or ACiQ customer support.

## SPECIFICATIONS

Detailed technical specifications for the Goodman Mini-Split AC/Heating System E-Series (0.75 Ton, 9000 BTU).

| Attribute | Value |
|---|---|
| Brand Name | ACiQ |
| Model Info | RXNG09AXVJU / FTXNG09AXVJU |
| BTU Capacity (Cooling) | 9,000 BTU (0.75 Tons) |
| BTU Capacity (Heating) | 4,400 BTU – 13,000 BTU |
| SEER2 Efficiency | 18 SEER2 |

| Attribute | Value |
| --- | --- |
| Voltage | 208/230 Volts, 1 Phase, 60Hz |
| Noise Level (Outdoor Unit) | 56 dB |
| Installation Type | Split System |
| Form Factor | Mini-Split |
| Refrigerant | R 410A |
| Recommended Coverage Area | Up to 400 Square Feet |



30.31"  9.19"  11.33"

26.50"  11.19"  21.69"

Goodman
e Series
INVERTER

**BTU - SQUARE FEET**
9,000 BTU - 400 SQ FT
12,000 BTU - 550 SQ FT
18,000 BTU - 1000 SQ FT

**TONS - DECIBELS**
0.75 Tons - 45 (dBA)
1.00 Tons - 48 (dBA)
1.50 Tons - 53 (dBA)

**ELECTRICAL SPECS**
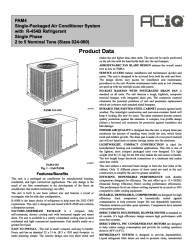208/230V 1 Phase 60 Hz

Figure 4: Dimensional specifications and performance ratings for the Goodman Mini-Split AC/Heating System, including BTU, square footage coverage, and noise levels.

## WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official ACiQ website. Warranty terms typically cover manufacturing defects and vary by component.

For technical support, service requests, or to inquire about replacement parts, please contact ACiQ customer service. Have your model number (RXNG09AXVJU / FTXNG09AXVJU) and purchase date ready when contacting support.

**Online Resources:** For additional resources, FAQs, and product registration, visit the ACiQ Store on Amazon.

## Related Documents



[ACiQ Energy Star Multi Zone Series Air Conditioners: Features & Specifications](#)
Explore the ACiQ Energy Star Multi Zone Series, offering efficient and flexible HVAC solutions with advanced features, multiple indoor unit options, and robust warranty. View specifications and compatibility for various models.



[ACiQ PAM4 Packaged Air Conditioner System - R454B Refrigerant | Specs & Data](#)
Detailed product data, specifications, and selection guide for the ACiQ PAM4 Single-Packaged Air Conditioner System with R-454B refrigerant. Covers capacities, electrical data, dimensions, and features.



[ACiQ R32 Unitary Air Handler & Heat Pump Condenser Technical Sales Guide](#)
This technical sales guide provides detailed specifications, performance data, dimensions, and wiring diagrams for the ACiQ R32 Unitary Air Handler and Heat Pump Condenser series, covering models ACiQ-24/36/48/60-AH32 and ACiQ-24/36/48/60-HP32.

# ACiQ

**Outdoor Unit** Central Inverter Systems  EN

## Installation Manual
Safety precautions & Installation

**Models Covered:**

| AC Condensers (Cooling Only): | Standard Heat Pump Condensers: | Extreme Heat Pump Condensers: |
|---|---|---|
| ACiQ-18-AC | ACiQ-18-EHPB | ACiQ-24-HPB |
| ACiQ-24-AC | ACiQ-24-EHPB | ACiQ-36-HPB/ACiQ-36-HPC |
| ACiQ-30-AC | ACiQ-30-EHPB | ACiQ-48-HPB |
| ACiQ-36-AC | ACiQ-36-EHPB | ACiQ-60-HPB |
| ACiQ-48-AC | ACiQ-48-EHPB | |
| | ACiQ-60-EHPB | |

**IMPORTANT NOTE:**
Read this manual carefully before installing or operating your new air conditioning unit. Make sure to save this manual for future reference.

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[ACiQ Central Inverter Systems Outdoor Unit Installation Manual](#)

Comprehensive installation manual for ACiQ Central Inverter Systems outdoor units, covering safety precautions, refrigerant piping, wiring, unit installation, and testing procedures for models like ACiQ-18-AC, ACiQ-24-AC, ACiQ-18-EHPB, and others.