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Goodman RXNG09AXVJU

Goodman e-Series (9,000 BTU | 230V) Instruction Manual

Ductless Inverter Air Conditioner with Heat Pump

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Goodman e-Series 9,000 BTU, 230V Ductless Inverter Air Conditioner. This unit is designed to provide efficient and sustainable cooling and heating for areas up to 400 square feet. Please read this manual thoroughly before operating the unit and retain it for future reference.



Image: The Goodman e-Series 9,000 BTU mini-split system, showing both the indoor air-handling unit and the outdoor compressor/condenser unit, along with the wireless remote control.

2. SAFETY INFORMATION

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

- **Professional Installation:** Installation, maintenance, and repair of this appliance must be performed by qualified service personnel. Improper installation can lead to electric shock, fire, or water leakage.
- **Power Supply:** Ensure the power supply matches the specifications of the unit (230V). Do not use extension cords or multi-outlet adapters.
- **Grounding:** The unit must be properly grounded to prevent electric shock.
- **Clearance:** Maintain adequate clearance around both indoor and outdoor units for proper airflow and maintenance.
- **Flammable Materials:** Do not place flammable materials or spray aerosols near the unit.
- **Children and Pets:** Keep children and pets away from the unit, especially during operation.
- **Cleaning:** Disconnect power before cleaning or performing any maintenance. Use a soft, damp cloth for cleaning;

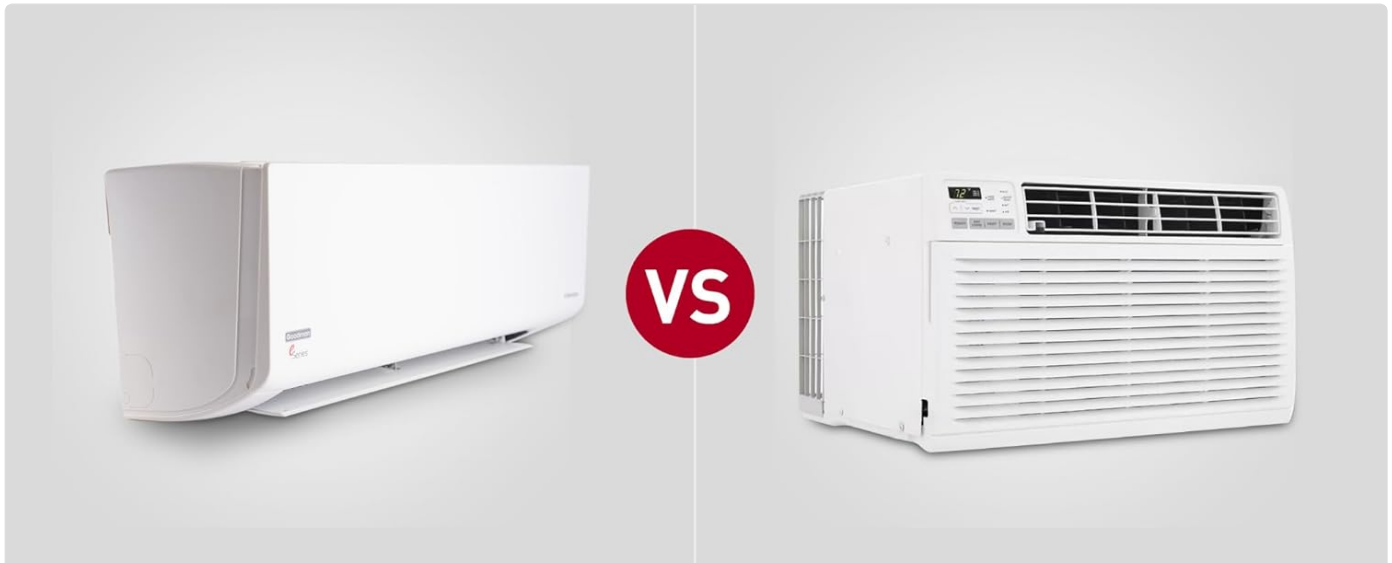
avoid harsh chemicals.

3. PRODUCT OVERVIEW

The Goodman e-Series mini-split system consists of an indoor air-handling unit and an outdoor compressor/condenser unit. This system utilizes inverter technology for precise temperature control and energy efficiency.

Key Components:

- **Indoor Unit:** Mounted inside the room, responsible for air distribution and temperature sensing.
- **Outdoor Unit:** Houses the compressor and condenser, located outside the building.
- **Wireless Remote Control:** Used to adjust settings, modes, and fan speed.



	Inverter	Conventional
Constantly adjusts and fine-tunes the cooling capacity to prevent undesired temperature swings	✓	✗
Room comfort level maintained	✓	✗
Faster response time	✓	✗
Flexible performance	✓	✗
Long-lasting	✓	✗

Image: A comparison highlighting the advantages of inverter technology over conventional systems, including constant adjustment, maintained room comfort, faster response, flexible performance, and long-lasting operation.

4. SETUP AND INSTALLATION

The Goodman e-Series is a split-system air conditioner, meaning it requires both an indoor and an outdoor unit connected by refrigerant lines and electrical wiring. Due to the complexity and the need for handling refrigerants, **professional installation by a certified HVAC technician is strongly recommended and often required for warranty validation.**

Key Installation Considerations:

- **Location:** Select appropriate locations for both indoor and outdoor units, ensuring proper airflow, drainage, and accessibility for maintenance. The indoor unit should be placed to allow for effective air distribution within the 400 sq. ft. coverage area.
- **Mounting:** Securely mount both units according to manufacturer guidelines.
- **Refrigerant Lines:** Connect the refrigerant lines between the indoor and outdoor units, ensuring no leaks.
- **Electrical Wiring:** Connect the electrical wiring to a dedicated 230V circuit, adhering to all local electrical codes.
- **Drainage:** Install the condensate drain line from the indoor unit to ensure proper water removal.

30-5/16 INCH
(770 mm)

11-1/3 INCH
(288mm)

9-3/16 INCH
(234 mm)

INDOOR UNIT

BTU - SQUARE FEET

9000 BTU	400 Sq Ft
12000 BTU	550 Sq Ft
18000 BTU	1000 Sq Ft

*See more details in the description

26-1/2 INCH
(675 mm)

21-11/16 INCH
(550 mm)

11-3/16 INCH
(284 mm)

OUTDOOR UNIT

Sound Pressure Level (T/H/M/L/SL)
 ❄️ 48/45/37/31/19 dB (A) 🌀 47/43/36/30/26 dB (A)

Image: A visual representation of the dimensions for both the indoor and outdoor units, along with a table indicating the recommended square footage coverage for different BTU capacities. For this 9,000 BTU model, the coverage is up to 400 square feet.

5. OPERATING INSTRUCTIONS

Your Goodman e-Series unit offers various operating modes and features for optimal comfort and energy efficiency, controlled via the wireless remote.


Operating Modes:


- **Cooling Mode:** Reduces room temperature to the set point.
- **Heating Mode (Heat Pump):** Increases room temperature to the set point, utilizing the heat pump function.
- **Fan Mode:** Circulates air without cooling or heating. Fan speed can be adjusted.
- **Dry (Dehumidifier) Mode:** Reduces humidity in the room.
- **Inverter Powerful Operation:** Provides rapid cooling or heating to reach the desired temperature quickly.
- **ECO+ Function:** Optimizes energy consumption by intelligently adjusting operation based on ambient conditions and set temperature.
- **Sleep Mode:** Adjusts temperature gradually during sleep to maintain comfort and save energy.

Using the Wireless Remote Control:


The remote control allows you to power the unit on/off, select operating modes, adjust temperature, set fan speed, and activate special functions like ECO+ and Sleep Mode. Refer to the remote control's specific button layout for detailed operation.

Lifestyle Convenience

 **ECO+**
Ensures optimum energy consumption

 **Sleep mode**
Prevents excessive cooling/heating for a pleasant sleep.

 **Indoor Unit On/Off Switch**

 **Wireless Remote Controller with Luminous Button**

 **LED Display On/Off Button**

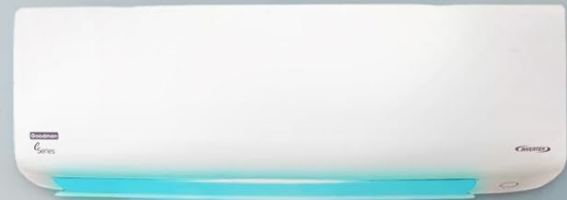


Image: An illustration of the Goodman e-Series unit in a living space, highlighting its convenience features such as ECO+ for energy optimization, Sleep mode for comfortable rest, an indoor unit On/Off switch, a wireless remote controller with luminous buttons, and an LED display with an On/Off button.

6. MAINTENANCE

Regular maintenance ensures optimal performance, energy efficiency, and longevity of your Goodman e-Series unit. Always disconnect power to the unit before performing any maintenance.

Cleaning and Filter Maintenance:

- **Air Filters:** The indoor unit includes a small filtering system with a catechin filter and a titanium deodorizing filter. These filters should be cleaned regularly (e.g., every 2-4 weeks, depending on usage and air quality). Remove filters, clean with a vacuum cleaner or wash with lukewarm water, and dry completely before reinserting.
- **Indoor Unit Panel:** The flat panel of the indoor unit can be wiped clean with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Removable Drain Pan:** The indoor unit features a removable drain pan that collects condensation. This pan should

be periodically inspected and cleaned to prevent mold growth and blockages.

- **Outdoor Unit:** Keep the outdoor unit clear of debris, leaves, and other obstructions. Periodically clean the coils with a soft brush or water spray.

Professional Servicing:

It is recommended to have a qualified HVAC technician perform annual professional maintenance, including checking refrigerant levels, inspecting electrical connections, and cleaning coils and drainage systems.

Cleanliness

Removable Drain Pan
Collects condensation from the indoor

Wipe-Clean Flat Panel
That can be cleaned with only the single pass of a cloth

Catechin Filter
Infused with catechin extracted from green tea, that enables the filter to strip the passing air of odor-causing pollutants

Titanium Apatite Deodorizing Filter
Advanced adsorption power and effective odor deodorization

Image: An overview of the cleanliness features of the Goodman e-Series, detailing the wipe-clean flat panel, the catechin filter infused with green tea extract, the titanium apatite deodorizing filter for odor removal, and the removable drain pan for condensation collection.

7. TROUBLESHOOTING

Before contacting customer support, review the following common issues and their potential solutions.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not turn on.	No power, circuit breaker tripped, remote control batteries dead.	Check power supply, reset circuit breaker, replace remote batteries.
Insufficient cooling/heating.	Dirty air filters, blocked outdoor unit, wrong mode selected, room too large.	Clean air filters, clear obstructions from outdoor unit, select appropriate mode, ensure room size is within specifications (400 sq. ft.).
Water leakage from indoor unit.	Clogged drain line, improper installation.	Check and clear drain line, contact professional for inspection if issue persists.
Unusual noise.	Loose parts, foreign objects, refrigerant issues.	Turn off unit and inspect for loose parts or foreign objects. If noise persists or is unusual, contact a qualified technician.

For issues not listed here or if solutions do not resolve the problem, please contact Goodman customer support.

8. SPECIFICATIONS

Detailed technical specifications for the Goodman e-Series (9,000 BTU | 230V) model.

Specification	Value
Brand Name	Goodman
Model Info	RXNG09AXVJU
Item Weight	55 pounds
Product Dimensions	10.75 x 39.5 x 11.5 inches (Indoor Unit)
Efficiency	18 SEER2
Capacity	9,000 BTU (0.75 Tons)
Annual Energy Consumption	1000 Watts
Noise Level	33 dB
Installation Type	Split System
Form Factor	Mini-Split
Special Features	Remote Controlled
Color	White
Voltage	230V
Floor Area Coverage	400 Square Feet
Included Components	Indoor Unit, Outdoor Unit

9. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service inquiries, please refer to the official Goodman website or contact their customer service directly. Ensure you have your model number (RXNG09AXVJU) and purchase details available when contacting support.

You can find more information and contact details by visiting the official Goodman store or support page:

[Visit the Goodman Store](#)

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Model: RXNG09AXVJU