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› Goodman 5 TON 14.3 SEER2 R-32 AC Condenser (replaces GSXN406010 and GSX140601) (GLXS4BA6010) - Instruction Manual

Goodman GLXS4BA6010

Goodman 5 TON 14.3 SEER2 R-32 AC Condenser

Model: GLXS4BA6010

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Goodman 5 TON 14.3 SEER2 R-32 AC Condenser. Designed for optimal cooling performance, this unit is a robust solution for residential and light commercial applications. Please read all instructions carefully before installation and operation.



Image: The Goodman 5 TON 14.3 SEER2 R-32 AC Condenser, showcasing its durable galvanized-steel cabinet and top-mounted fan.

KEY FEATURES

- **Heavy-gauge galvanized-steel cabinet:** Provides robust protection against environmental elements and ensures long-lasting durability.
- **Copper tube/aluminum fin coil:** Optimizes heat transfer for efficient cooling performance.
- **Factory-installed filter drier:** Protects the refrigerant system from moisture and contaminants, enhancing system reliability.
- **Energy-efficient compressor:** Designed to reduce energy consumption while maintaining powerful cooling capacity.
- **R-32 Refrigerant:** Utilizes an environmentally friendly refrigerant with a lower global warming potential.

Goodman GLXS4BA6010



Tonnage

5

Efficiency

14.3 SEER2

Type

AC Only

Dimensions

35.5 x 35.5 x 39.5

Weight

224

Lineset

3/8" x 1 1/8"

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10 YEAR PARTS
LIMITED
WARRANTY*

R32

Image: A visual representation of the Goodman AC Condenser highlighting its key specifications including 5 Tonnage, 14.3 SEER2 Efficiency, and R32 refrigerant.

SETUP AND INSTALLATION

Installation of this AC condenser requires specialized knowledge and tools. It is highly recommended that installation be performed

by a qualified HVAC professional to ensure proper setup, compliance with local codes, and to validate warranty coverage.

Pre-Installation Considerations:

- **Location:** Choose a level, stable surface with adequate clearance for airflow and maintenance. Ensure it is away from direct sunlight and potential obstructions.
- **Electrical Requirements:** Verify that the electrical supply meets the unit's voltage and amperage requirements (230V, 6756 watts).
- **Refrigerant Lines:** Proper sizing and connection of refrigerant lines are crucial for system efficiency. This unit uses R-32 refrigerant.

Professional Installation Steps (Overview):

1. Securely place the outdoor unit on a level pad.
2. Connect the refrigerant lines between the indoor coil and the outdoor condenser.
3. Perform vacuum and leak tests on the refrigerant lines.
4. Connect the electrical wiring according to the wiring diagram provided with the unit.
5. Charge the system with the correct amount of R-32 refrigerant.
6. Test the system for proper operation and performance.



Image: The Goodman AC Condenser with its dimensions clearly marked: 35.5 inches depth, 35.5 inches width, and 38.25 inches height.

OPERATING INSTRUCTIONS

Once professionally installed, operating your Goodman AC Condenser is straightforward, primarily controlled by your indoor thermostat.

Basic Operation:

- **Thermostat Control:** Set your thermostat to 'Cool' mode and select your desired temperature. The condenser will activate automatically when the indoor temperature rises above your set point.
- **Fan Settings:** Most thermostats offer 'Auto' and 'On' fan settings. 'Auto' runs the fan only when cooling is needed, while 'On' runs the fan continuously to circulate air.
- **Energy Efficiency:** For optimal energy efficiency, avoid frequently adjusting the thermostat. Set it to a comfortable temperature and allow the system to maintain it.

Video: An overview of the Goodman 5 Ton 14 SEER Air Conditioner (GSX140601), demonstrating its outdoor unit and highlighting its features. This video is provided by RockRuth HVAC E-Commerce.

MAINTENANCE

Regular maintenance is crucial for the longevity and efficiency of your AC condenser. Simple routine checks can prevent major issues.

User Maintenance:

- **Clean Outdoor Unit Coils:** Periodically inspect and clean the outdoor coil fins to remove dirt, leaves, and debris. Blocked fins can significantly reduce efficiency.
- **Clear Area Around Unit:** Ensure there is at least 2 feet of clearance around the outdoor unit to allow for proper airflow. Trim any overgrown vegetation.
- **Indoor Filter Replacement:** Regularly check and replace your indoor air filter as recommended by your HVAC professional or filter manufacturer. A dirty filter restricts airflow and can strain the system.

Professional Maintenance:

Schedule annual professional maintenance for your system. A qualified technician can perform comprehensive checks, including:

- Checking refrigerant levels and pressure.
- Inspecting electrical components and connections.
- Lubricating moving parts.
- Cleaning the evaporator and condenser coils thoroughly.
- Checking the condensate drain for blockages.

TROUBLESHOOTING

Before calling for service, consider these common issues and their potential solutions:

Problem	Possible Cause	Solution
No Cooling	Thermostat set incorrectly; tripped circuit breaker; dirty air filter.	Check thermostat settings; reset breaker; replace air filter.
Weak Airflow	Dirty air filter; blocked return air vents.	Replace air filter; clear obstructions from vents.
Unit is Loud/Unusual Noises	Loose parts; fan obstruction; refrigerant issues.	Inspect for loose panels/debris; contact a professional for refrigerant issues.
Unit Freezing Up	Low refrigerant; dirty coils; restricted airflow.	Check air filter; ensure coils are clean; contact a professional for refrigerant issues.

If these steps do not resolve the issue, or if you suspect a more serious problem, contact a qualified HVAC technician.

SPECIFICATIONS

Attribute	Value
Brand Name	Goodman

Attribute	Value
Model Info	GLXS4BA6010
Item Weight	0.01 ounces
Product Dimensions	37 x 37 x 42 inches
Efficiency	14.0 SEER (Seasonal Energy Efficiency Ratio)
Capacity	5 Tons
Installation Type	Split System
Voltage	230V
Wattage	6756 watts
Material Type	Steel
Refrigerant	R-32
Color	Black
Date First Available	February 8, 2012



Image: The U.S. Government EnergyGuide label for the Goodman Central Air Conditioner, indicating an Efficiency Rating (SEER2) of 13.80.

WARRANTY INFORMATION

The Goodman 5 TON 14.3 SEER2 R-32 AC Condenser typically comes with a **10-year parts limited warranty**. To ensure your

warranty is valid, it is crucial that the unit is installed by a qualified professional and registered online shortly after installation. For specific warranty terms and conditions, please refer to the documentation provided with your unit or visit the official Goodman website.

U.S. Government

Federal law prohibits removal of this label before consumer purchase.

ENERGYGUIDE

↓

Central Air Conditioner
Cooling Only
Split System

GOODMAN
Model GLXS4BA6010A*

Efficiency Rating (SEER 2)**
13.80*

▼

13.8

Least Efficient

27.0

Most Efficient

Range of Similar Models

** Seasonal Energy Efficiency Ratio 2

For energy cost info, visit
productinfo.energy.gov

* Your air conditioner's efficiency rating may be better depending on the coil your contractor installs.

Notice

Federal law allow this unit to be installed in all U.S. states and territories.

Energy Efficiency Ratio 2 (EER2): The installed system's minimum EER2 is 11.20.

Image: A shield graphic indicating a 10-year limited warranty, a common feature for Goodman products when installed and registered correctly.

SUPPORT AND RETURNS

For technical support, service, or warranty claims, please contact your installing HVAC professional or the Goodman customer service directly. They are best equipped to handle inquiries related to installation, maintenance, and repairs.

Returns Policy:

This product is typically eligible for a 30-day easy returns policy for refund or replacement, as per the seller's terms. Please verify the specific return policy with your point of purchase (e.g., Superior Home Supplies if purchased via Amazon) before initiating a return.

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