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› [Goodman 3.5 Ton 14.3 SEER2 R-32 AC Condenser \(Model GLXS4BA4210\) User Manual](#)

Goodman GLXS4BA4210

Goodman 3.5 Ton 14.3 SEER2 R-32 AC Condenser User Manual

Model: GLXS4BA4210

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Goodman 3.5 Ton 14.3 SEER2 R-32 AC Condenser, Model GLXS4BA4210. Please read this manual thoroughly before installation or use and retain it for future reference.

The Goodman GLXS4BA4210 is an energy-efficient air conditioning condenser designed for optimal cooling performance. Key features include:

- Energy-efficient compressor for reduced power consumption.
- Single-speed PSC condenser fan motor for reliable air circulation.
- Factory-installed filter drier to protect the refrigerant system from moisture and contaminants.
- Fully charged for 15 ft. of tubing length, simplifying initial setup.

Goodman GLXS4BA4210



Tonnage

3.5

Efficiency

14.3 SEER2

Type

AC Only

Dimensions

35.5 x 35.5 x 35.75

Weight

210

Lineset

3/8" x 1 1/8"

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10 PARTS
YEAR LIMITED
WARRANTY*

R32

Image: Goodman GLXS4BA4210 AC Condenser with key specifications.

SETUP AND INSTALLATION

Installation of this AC condenser requires specialized knowledge and tools. It is strongly recommended that installation be performed by a licensed HVAC professional to ensure proper function, safety, and compliance with local codes and warranty requirements.

Placement Considerations

- **Location:** Position the outdoor unit on a level, stable surface, ideally in a shaded area to enhance efficiency.
- **Clearance:** Ensure adequate clearance around all four sides of the unit for proper airflow and maintenance access. Avoid placing it near obstructions like dense shrubbery or walls that could impede air circulation.
- **Drainage:** Verify that the area around the unit allows for proper water drainage away from the foundation.

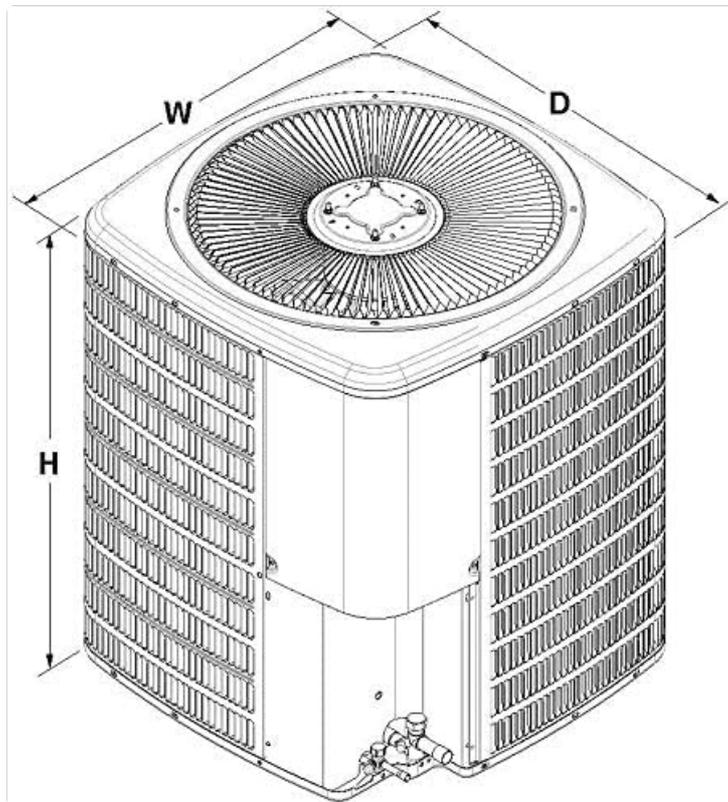


Image: AC Condenser dimensions (W, D, H).

The unit's dimensions are approximately 37 x 37 x 38.5 inches (W x D x H), with a weight of 5 pounds (shipping weight may vary). These measurements are crucial for planning the installation space.

OPERATING INSTRUCTIONS

Once installed by a qualified professional, your Goodman AC Condenser operates in conjunction with your indoor coil and thermostat to provide cooling. Set your desired temperature on the thermostat, and the system will automatically engage to maintain comfort.

Energy Efficiency

This unit features a Seasonal Energy Efficiency Ratio 2 (SEER2) of 14.3, indicating its energy performance. Higher SEER2 ratings generally mean greater energy savings. Refer to the EnergyGuide label for specific efficiency details and estimated annual operating costs.



Image: EnergyGuide label for Model GLXS4BA4210.

MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your AC condenser. While some tasks can be performed by the homeowner, annual professional inspections are highly recommended.

Homeowner Maintenance

- **Clean the Outdoor Unit:** Periodically clear away leaves, grass clippings, and other debris from around the condenser unit. Gently rinse the outdoor coils with a garden hose to remove dirt and dust, ensuring the power is off before cleaning.
- **Check Air Filter:** Regularly inspect and replace or clean the air filter in your indoor unit according to the manufacturer's recommendations. A dirty filter restricts airflow and reduces efficiency.

Professional Maintenance

Schedule annual maintenance with a licensed HVAC technician. They can perform comprehensive checks, including refrigerant levels, electrical connections, and overall system performance, to prevent potential issues and ensure peak efficiency.

Your browser does not support the video tag.

Video: R-32 Fact vs Fiction. This video provides information about R-32 refrigerant, which is used in this unit.

TROUBLESHOOTING

If your AC condenser is not operating as expected, consider the following basic troubleshooting steps before contacting a professional:

- **No Cooling:** Check if the thermostat is set to 'Cool' mode and the desired temperature is below the current room temperature. Ensure the circuit breaker for the outdoor unit is not tripped.
- **Reduced Airflow:** Inspect the indoor air filter for excessive dirt and replace or clean it if necessary.

- **Unusual Noises:** Listen for any abnormal sounds. If you hear grinding, squealing, or banging, turn off the unit immediately and contact an HVAC professional.
- **Unit Not Turning On:** Verify that the power switch near the outdoor unit is in the 'On' position and check the circuit breaker.

For any issues beyond these basic checks, or if you are uncomfortable performing them, contact a licensed HVAC technician for diagnosis and repair.

SPECIFICATIONS

Feature	Specification
Manufacturer	Goodman
Model Number	GLXS4BA4210
Capacity	3.5 Tons (42K BTU Cooling)
Seasonal Energy Efficiency Ratio (SEER2)	14.3
Refrigerant	R-32
Voltage	230 Volts
Sound Level	72 Decibels
Product Dimensions (L x W x H)	37 x 37 x 38.5 inches
Item Weight	5 pounds
Installation Method	Split System
Power Source	Corded Electric
Color	Black

WARRANTY AND SUPPORT

Goodman brand equipment is known for its robust warranty coverage, providing peace of mind for homeowners.

Warranty Details

All Goodman brand equipment, including this 3.5 Ton 14.3 SEER2 R-32 AC Condenser, are covered by:

- **10-Year Parts Limited Warranty:** Covers replacement parts for a period of ten years from the date of installation.
- **10-Year Unit Replacement Warranty:** Provides for the replacement of the entire unit if the compressor fails within the first ten years.
- **Lifetime Compressor Warranty:** Offers lifetime coverage for the compressor component.
- **Lifetime Heat Exchanger Warranty:** (Applicable to heating components, if part of a combined system).

Please refer to the official Goodman warranty documentation provided with your unit for complete terms, conditions, and registration requirements. Proper installation and regular maintenance by a licensed professional are typically required to maintain warranty validity.



Image: 10 Year Limited Warranty shield.

Customer Support

For technical assistance, warranty claims, or to locate a licensed Goodman HVAC professional, please visit the official Goodman website or contact their customer service department. Always provide your model number (GLXS4BA4210) and serial number when seeking support.