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› [Goodman](#) /

› [Goodman 3.5 Ton 15.2 SEER2 Air Conditioner GLXS4BA4210 User Manual](#)

Goodman GLXS4BA4210

Goodman 3.5 Ton 15.2 SEER2 Air Conditioner

MODEL: GLXS4BA4210

User Manual

1. Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Goodman 3.5 Ton 15.2 SEER2 Air Conditioner, Model GLXS4BA4210. This unit is designed to provide reliable cooling for residential and light commercial spaces, utilizing the environmentally friendly R-32 refrigerant.

For optimal performance and to ensure warranty validity, it is crucial to follow all instructions carefully. Professional installation by a qualified HVAC technician is required.

2. Setup & Installation

The Goodman GLXS4BA4210 air conditioner is a split-system unit designed for outdoor installation. Proper installation is critical for safety, efficiency, and warranty coverage. This unit comes pre-charged with R-32 refrigerant for a 15-foot line set, simplifying the initial setup process.

- **Professional Installation:** Installation must be performed by a qualified HVAC professional. Attempting self-installation may void the warranty and pose safety risks.
- **Location:** Ensure the outdoor unit is placed on a level surface, with adequate clearance for airflow and maintenance.
- **Electrical Connections:** The unit requires a 230 Volts electrical supply. All electrical wiring must comply with local and national electrical codes.
- **Refrigerant Lines:** The unit is pre-charged for a 15-foot line set. For longer line sets, additional refrigerant may be required, which should be added by a qualified technician.



Image: Goodman GLXS4BA4210 Air Conditioner with indicated dimensions (Width 35.5 in, Depth 35.5 in, Height 35.75 in).



Image: Internal view of the Goodman Air Conditioner, showing the compressor, coils, and wiring.

Delivery Acceptance Guidelines:

It is important to properly accept your LTL (Less Than Truckload) shipment to ensure your product arrives safely and without issues. Please review the following video for detailed instructions on how to handle your delivery:

[Your browser does not support the video tag.](#)

Video: Proper steps to accept an LTL shipment. This video provides guidance on verifying your address, answering calls from the trucking company, inspecting for damage upon arrival, and documenting any issues.

HVAC System Selection Considerations:

For general information on selecting an HVAC system, including understanding heating and cooling types and sizing, please watch the following video:

Your browser does not support the video tag.

Video: What To Look For When Buying An HVAC System. This video covers factors like heating type (gas vs. electric), air conditioner vs. heat pump, and sizing considerations based on climate zone and square footage.

3. Operating Instructions

Your Goodman GLXS4BA4210 Air Conditioner is designed for efficient and quiet cooling. It features a 3.5 Ton cooling capacity, suitable for spaces up to 2,000 square feet, and a SEER2 rating between 13.8 and 15.2, depending on the paired equipment.

- **Thermostat Control:** Operate the unit using a compatible thermostat. Set your desired temperature for cooling.
- **Energy Efficiency:** The unit's high SEER2 rating ensures optimal energy savings, reducing electricity consumption.
- **Quiet Operation:** Advanced noise-reduction technology contributes to a comfortable indoor environment.
- **R-32 Refrigerant:** This unit uses R-32 refrigerant, an eco-friendly alternative with a significantly lower global warming potential compared to older refrigerants.

U.S. Government

Federal law prohibits removal of this label before consumer purchase.

ENERGYGUIDE

Central Air Conditioner
Cooling Only
Split System

GOODMAN
Model GLXS4BA4210A*



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 11.50.

Image: EnergyGuide label for the Goodman GLXS4BA4210, indicating a cooling efficiency rating (SEER2) of 14.30.

Understanding R-32 Refrigerant:

Learn more about the benefits and environmental impact of R-32 refrigerant, which is used in your air conditioner:

Your browser does not support the video tag.

Video: Why R-32 Refrigerant is the Future of Air Conditioning? This video explains the energy efficiency and lower global warming potential of R-32 compared to R-410A.

4. Maintenance

Regular maintenance is essential to ensure the longevity and efficient operation of your Goodman air conditioner. The unit is built with durable components designed for minimal upkeep.

- **Corrosion-Resistant Coils:** The unit features corrosion-resistant coils, which enhance system longevity and reduce maintenance needs.
- **Heavy-Duty Steel Cabinet:** The galvanized steel cabinet protects internal components from outdoor elements, extending the system's lifespan.
- **Annual Professional Check-up:** It is highly recommended to schedule an annual inspection and tune-up by a qualified HVAC technician. This includes checking refrigerant levels, cleaning coils, inspecting electrical connections, and ensuring proper operation.
- **Cleanliness:** Keep the area around the outdoor unit clear of debris, leaves, and other obstructions to ensure proper airflow.

5. Troubleshooting

If you experience issues with your air conditioner, consider the following basic troubleshooting steps. For complex problems, always contact a qualified HVAC technician.

- **No Cooling:** Check your thermostat settings to ensure it's set to "Cool" mode and the temperature is below the current room temperature. Verify that the circuit breaker for the outdoor unit has not tripped.
- **Reduced Airflow:** Ensure the air filter in your indoor unit is clean and not obstructed. Check for any blockages around the outdoor unit.
- **Unusual Noises:** Minor operational noises are normal. However, if you hear loud grinding, banging, or squealing, turn off the unit and contact a technician immediately.
- **Unit Not Turning On:** Confirm that the power supply to both the indoor and outdoor units is active. Check the thermostat for error codes or battery issues.

6. Specifications

Feature	Detail
Brand Name	MRONextDay.com (Goodman)
Model Info	GLXS4BA4210
Item Weight	210 pounds
Product Dimensions	35.5 x 35.5 x 35.75 inches
Capacity	3.5 Tons

Feature	Detail
Cooling Power	42000 British Thermal Units
Annual Energy Consumption	3312 Watts
Noise Level	72 Decibels
Installation Type	Split System
Form Factor	Split-system
Special Features	Fast Cooling
Color	Gray
Voltage	230 Volts
Wattage	3312 watts
Material Type	Metal
Included Components	Air Conditioner
Seasonal Energy Efficiency Ratio (SEER2)	13.8 (up to 15.2 with matched equipment)
Refrigerant Type	R-32

7. Warranty

Your Goodman Air Conditioner comes with a **10-year parts limited warranty**. To ensure the validity of this warranty, the following conditions must be met:

- The unit must be installed by a qualified installer.
- The unit must be registered online within 60 days of installation.

Accessories such as line sets, LP Kits, heat kits, whips, and disconnects are sold separately and may have their own warranty terms.

OUTSTANDING
LIMITED WARRANTY

10 YEAR PARTS LIMITED WARRANTY | **WARRANTY**

Having a warranty is a
WIN WITH GOODMAN

Must be installed by a qualified installer & must be registered online within 60 days of installation

Goodman
Air Conditioning & Heating

Image: Warranty information graphic, highlighting the 10-year parts limited warranty and the requirements for qualified installation and online registration within 60 days.

8. Support

For technical assistance, warranty claims, or any other inquiries regarding your Goodman Air Conditioner, please contact your qualified installer or the seller, [MRONextDay.com](https://www.MRONextDay.com).

You can also visit the [MRONextDay.com](https://www.MRONextDay.com) [Store on Amazon](https://www.MRONextDay.com) for additional product information and support resources.

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This manual is for informational purposes only. Always consult with a qualified HVAC professional for installation, service, and repairs.