

Goodman GLXS4BA3610, AMST36CU1300

Goodman 3 Ton 14.5 SEER2 Multi-Position Air Conditioner System

MODELS: GLXS4BA3610 & AMST36CU1300

Brand: MRONextDay.com

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Goodman 3 Ton 14.5 SEER2 Multi-Position Air Conditioner System. This high-efficiency system is designed to provide reliable and energy-saving cooling for residential spaces ranging from 1,500 to 2,100 square feet.

The system utilizes the eco-friendly R-32 refrigerant and features a multi-position air handler, offering flexible installation options to suit various home layouts. Proper installation by a qualified professional and regular maintenance are crucial for optimal performance and longevity.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. Refer to this manual. Installation and service must be performed by a qualified installer or service agency.

- Always disconnect power to the unit before performing any service or maintenance.
- Ensure proper grounding to prevent electrical shock.
- Handle refrigerant with care and only by certified technicians. R-32 is a mildly flammable refrigerant.
- Wear appropriate personal protective equipment (PPE) during installation and service.
- Keep children and pets away from the unit during operation and maintenance.

3. SYSTEM COMPONENTS OVERVIEW

Your Goodman Air Conditioner System consists of two primary components: the outdoor condenser unit (GLXS4BA3610) and the indoor multi-position air handler (AMST36CU1300).

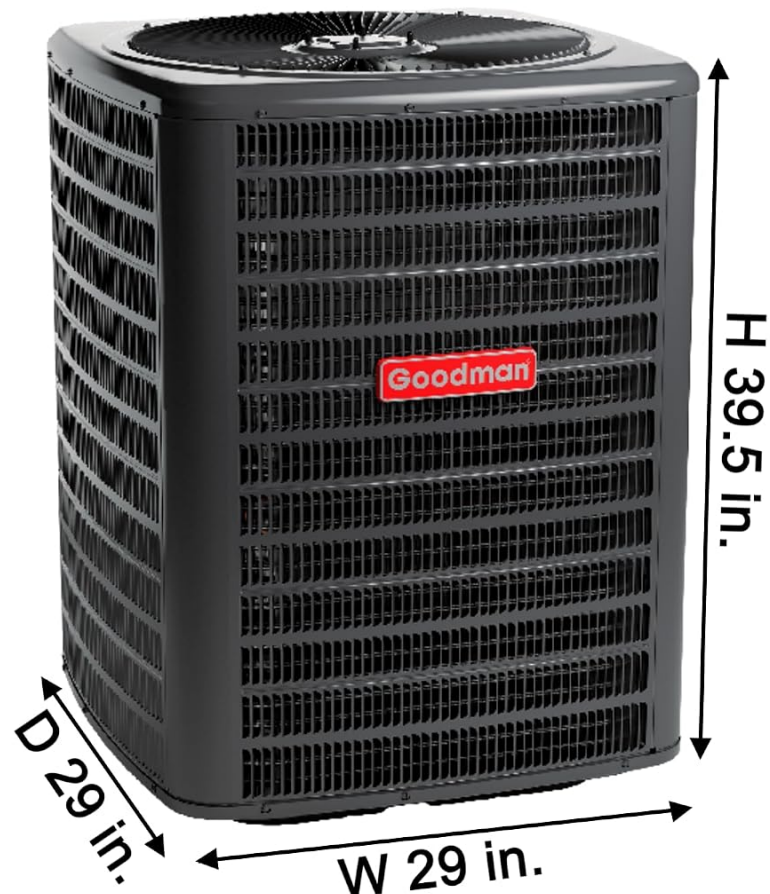
Outdoor Condenser Unit (GLXS4BA3610)

Revitalize Your Home With Powerful Cooling

Powerful Control for Year-Round
Satisfaction

Goodman

Air Conditioning & Heating



The outdoor unit is responsible for releasing heat from your home to the outside. It houses the compressor and condenser coil.
Dimensions: 29"D x 29"W x 39.5"H.

Indoor Multi-Position Air Handler (AMST36CU1300)

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The air handler circulates conditioned air throughout your home and contains the evaporator coil and blower motor. Its multi-position design allows for upflow, downflow, and horizontal installation. Dimensions: 21"D x 21.13"W x 49"H.

Understanding Air Handlers

For a detailed explanation of how air handlers function and their various components, please watch the following informational video:

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Video: All you need to know about Air Handlers. This video explains the function, components, and types of air handlers.

4. SETUP AND INSTALLATION

This Goodman HVAC system is a split system and requires professional installation. It is crucial to ensure correct sizing and proper setup for optimal performance and energy efficiency.

Receiving Your LTL Shipment

Your HVAC system will be delivered via Less-Than-Truckload (LTL) freight. It is vital to follow proper receiving procedures to ensure your items arrive safely and without issues. Please watch the video below for detailed instructions on how to

accept an LTL shipment:

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Video: How to accept a LTL Shipment. This video guides you through the process of safely receiving your freight delivery.

System Sizing and Climate Zones

Proper sizing of your HVAC system is critical for comfort and efficiency. The required tonnage depends on the size of your space and your climate zone. Refer to the following video for guidance on how to determine the appropriate HVAC system size for your home:

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Video: What To Look For When Buying An HVAC System. This video provides insights into selecting the right HVAC system, including sizing considerations.

The multi-position air handler (AMST36CU1300) offers flexible installation for upflow, downflow, and horizontal applications, adapting to various home configurations.

5. OPERATION

Your Goodman Air Conditioner System is designed for efficient and quiet operation. Once installed, the system is controlled via your home's thermostat.

- **Thermostat Control:** Set your desired temperature and mode (Cool, Heat, Fan) on your thermostat. The system will automatically adjust to maintain comfort.
- **R-32 Refrigerant:** This system uses R-32 refrigerant, which is more energy-efficient and has a significantly lower Global Warming Potential (GWP) compared to older refrigerants like R-410A. This contributes to lower energy bills and a reduced environmental impact.
- **Energy-Saving ECM Motor:** The multi-speed ECM blower motor in the air handler adjusts airflow to optimize comfort and energy savings, improving overall system efficiency.

Understanding R-32 Refrigerant

Learn more about the benefits of R-32 refrigerant and why it's becoming the new standard in air conditioning:

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Video: Why Air Conditioners have changed the refrigerant. This video explains the transition to R-32 refrigerant and its advantages.

6. MAINTENANCE

Regular maintenance is essential to ensure the long-term efficiency and reliability of your HVAC system. It is recommended to schedule annual professional maintenance.

- **Air Filter Replacement:** Regularly check and replace the air filter in your air handler (AMST36CU1300) every 1-3 months, or more frequently if you have pets or allergies. A clean filter ensures optimal airflow and air quality.
- **Outdoor Unit Cleaning:** Keep the outdoor condenser unit (GLXS4BA3610) free from debris, leaves, and dirt. Ensure coils are clean for efficient heat transfer.
- **Professional Tune-up:** An annual professional tune-up by a qualified HVAC technician can identify potential issues, clean coils, check refrigerant levels, and ensure all components are functioning correctly.

7. TROUBLESHOOTING

Before calling for service, consider these common issues:

Problem	Possible Cause	Solution
No Cooling/Heating	Thermostat setting incorrect, power off, tripped breaker, dirty filter.	Check thermostat, ensure power is on, reset breaker, replace filter.
Poor Airflow	Dirty air filter, blocked vents.	Replace air filter, clear any obstructions from vents.
Unusual Noises	Loose parts, debris in fan, motor issues.	Inspect unit for loose components or debris. If persistent, contact a professional.
System Freezing Up	Low refrigerant, dirty coil, restricted airflow.	Check filter, ensure proper airflow. Contact professional for refrigerant check.

If troubleshooting steps do not resolve the issue, please contact a qualified HVAC technician for assistance.

8. SPECIFICATIONS

Feature	Detail
Brand	Goodman (Sold by MRONextDay.com)
Model Numbers	GLXS4BA3610 (Outdoor Unit), AMST36CU1300 (Air Handler)
Cooling Capacity	3 Tons (34400 British Thermal Units)
SEER2 Rating	15.2
Refrigerant Type	R-32 (Eco-Friendly)
Outdoor Unit Dimensions (DxWxH)	29" x 29" x 39.5"
Air Handler Dimensions (DxWxH)	21" x 21.13" x 49"
Total Item Weight	307 pounds
Material Type	Metal
Country of Origin	USA
Included Components	Air Conditioner, Air Handler
AHRI Reference #	214859638

9. WARRANTY AND SUPPORT

This Goodman Air Conditioner System comes with a **10-year parts limited warranty**, provided it is installed by a qualified installer and registered online within 60 days of installation. Please retain your proof of purchase and installation records.

For warranty claims, technical support, or further assistance, please contact MRONextDay.com customer service or a qualified HVAC professional.

Note: Accessories such as line sets, LP Kits, heat kits, whips, and disconnects are sold separately and are not covered under the main system warranty unless specified by their individual product warranties.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question