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› Goodman 1.5 Ton 14.7 SEER2 R32 Horizontal AC System with 80% AFUE 60,000 BTU Natural Gas Furnace User Manual

Goodman GLXS4BA1810,CHPTA1822B3,GR9T800603BN

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Brand: Goodman

Model: GLXS4BA1810,CHPTA1822B3,GR9T800603BN

PRODUCT OVERVIEW

The Goodman R32 HVAC system, featuring an AC condenser and gas furnace, offers comprehensive, energy-efficient climate control for residential spaces. Utilizing R32 refrigerant, the AC condenser delivers optimal cooling performance, even in high temperatures, while reducing environmental impact. The high-efficiency gas furnace provides reliable heating, ensuring comfort throughout the year. Designed for durability and ease of maintenance, the Goodman R32 HVAC system adheres to the 2025 EPA guidelines and the Montreal Protocol, making it an excellent choice for modern, eco-conscious homeowners seeking superior comfort and cost savings.

Key Features:

- R32 Condenser (EPA & Montreal Protocol compliant)
- Gas Furnace
- Eco-Friendly
- Compact and Efficient
- Provides Home Heating & Cooling



Image: The Goodman HVAC system, showing the outdoor AC condenser unit, the indoor furnace unit, and the evaporator coil.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your Goodman HVAC system. Due to the complexity of this equipment, installation must be performed by a qualified HVAC professional. This ensures compliance with local building codes, safety regulations, and proper system performance.

Safety Precautions:

- Always disconnect power to the unit before performing any service or maintenance.
- Ensure proper ventilation during installation and operation.
- Handle refrigerant with care; only certified technicians should manage refrigerant.
- Follow all manufacturer's instructions and local codes.

OPERATING INSTRUCTIONS

Your Goodman HVAC system is designed for user-friendly operation, typically controlled via a compatible thermostat. Familiarize yourself with your thermostat's functions to optimize comfort and energy efficiency.

Basic Operation:

- **Mode Selection:** Choose between 'Heat', 'Cool', 'Auto', or 'Off' settings on your thermostat.

- **Temperature Setting:** Adjust the desired temperature to your comfort level.
- **Fan Control:** Set the fan to 'Auto' for energy efficiency (fan runs only when heating/cooling) or 'On' for continuous air circulation.
- **Programming (if applicable):** Utilize programmable features to set different temperatures for various times of day or week, saving energy when you're away or asleep.

MAINTENANCE

Regular maintenance is essential to ensure the longevity, efficiency, and reliable performance of your Goodman HVAC system. Simple routine checks can prevent major issues and maintain indoor air quality.

Recommended Maintenance:

- **Filter Replacement:** Check and replace air filters monthly, or more frequently if you have pets or allergies. A clean filter ensures proper airflow and system efficiency.
- **Outdoor Unit Cleaning:** Keep the outdoor condenser coil free of dirt, leaves, and debris. Gently rinse with a garden hose as needed, ensuring power is off.
- **Professional Tune-Ups:** Schedule annual professional maintenance with a certified HVAC technician. They can inspect components, clean coils, check refrigerant levels, and ensure optimal operation.

TROUBLESHOOTING

Before calling for service, you can perform some basic troubleshooting steps for common issues. Always ensure the power to the unit is off before inspecting any components.

Common Issues and Solutions:

- **No Power:** Check the circuit breaker for the HVAC system. Ensure the thermostat is set to an active mode and the batteries (if applicable) are fresh.
- **Insufficient Heating/Cooling:** Verify the thermostat setting is correct. Check the air filter for clogs. Ensure all vents are open and unobstructed.
- **Unusual Noises:** Minor noises are normal, but loud grinding, squealing, or banging sounds may indicate a mechanical issue. Turn off the unit and contact a professional.
- **Water Leaks:** Check the condensate drain line for clogs. Clear any blockages carefully. If the leak persists, professional assistance is required.

SPECIFICATIONS

Specification	Detail
Brand Name	Goodman
Item Weight	132 pounds
Product Dimensions	26 x 26 x 27 inches
Installation Type	Split System
Part Number	GLXS4BA1810,CHPTA1822B3,GR9T800603BN
ASIN	B0DF8CMW3M

Specification	Detail
Date First Available	August 26, 2024

WARRANTY AND SUPPORT

Goodman stands behind the quality and reliability of its products. This HVAC system comes with comprehensive warranty coverage:

- **Lifetime Compressor Limited Warranty:** Covers the compressor for the lifetime of the original owner.
- **10 Year Unit Replacement Limited Warranty:** Provides for replacement of the entire unit under specific conditions for 10 years.
- **Lifetime Heat Exchanger Limited Warranty:** Covers the heat exchanger for the lifetime of the original owner.

For detailed warranty terms, conditions, and registration, please refer to the documentation included with your product or visit the official Goodman website. For technical support or service inquiries, please contact your authorized Goodman dealer or the manufacturer’s customer service.

ENVIRONMENTAL IMPACT AND R32 REFRIGERANT

The Goodman HVAC system utilizes R32 refrigerant, a significant advancement in environmental responsibility for air conditioning. R32 is a next-generation refrigerant that offers superior energy efficiency and a substantially lower Global Warming Potential (GWP) compared to older refrigerants like R410A. This aligns with global efforts, including the 2025 EPA guidelines and the Montreal Protocol, to reduce environmental impact and protect the ozone layer.

Learn More About R32 Refrigerant:

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Video: An informational video explaining why R-32 refrigerant is considered the future of air conditioning, highlighting its energy efficiency and lower environmental impact compared to R410A.

Goodman Gas Furnace Overview:

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Video: A detailed overview of Goodman Gas Furnaces, showcasing their standard features such as the SureStart® Silicon Nitride igniter, heavy-duty heat exchangers, quiet operation, and self-diagnostic control board.

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