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Goodman GLXS3BN2410

Goodman 2 TON 13.4 SEER2 R-32 AC Condenser (GLXS3BN2410) User Manual

MODEL: GLXS3BN2410

Brand: Goodman

1. Product Overview

The Goodman GLXS3BN2410 is a 2-ton, 13.4 SEER2 AC condenser designed for efficient cooling. This unit utilizes R-32 refrigerant and is built with durable components for reliable performance. It is intended for use in split system air conditioning setups.



Image 1.1: Exterior view of the Goodman GLXS3BN2410 AC Condenser, showcasing its gray finish and protective grille.

Key features of this condenser include:

- Energy-efficient compressor for reduced power consumption.
- Factory-installed filter drier to protect the refrigerant system.
- Durable copper tube/aluminum fin coil construction.
- Utilizes R-32 refrigerant.



Image 1.2: Internal view of the condenser, illustrating the compressor, coils, and electrical connections, alongside an Energy Star Partner logo.

2. Technical Specifications

Understanding the technical specifications is crucial for proper installation and operation.

Specification	Value
Model Number	GLXS3BN2410

Specification	Value
Cooling Capacity	2 TON (24000 BTU)
SEER2 Rating	13.4
Refrigerant Type	R-32
Voltage	208/230 Volts
Phase	1
Liquid Line Valve Connection	3/8 inches
Suction Line Valve Connection	3/4 inches
Dimensions (W x D x H)	26W x 26D x 27 1/2H inches
Item Weight	150 pounds

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GLXS3BN2410

Tonnage
2

Efficiency
13.4 SEER2

Type
AC Only

Dimensions
26 x 26 x 27.5

Weight
114

Lineset
3/8" x 3/4"

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10 YEAR PARTS LIMITED WARRANTY*

R32

Image 2.1: Graphic summarizing key product specifications including tonnage, efficiency, type, dimensions, weight, and lineset sizes.

3. Installation Guidelines

Important: This AC condenser must be installed by a qualified HVAC professional. Improper installation can lead to equipment damage, safety hazards, and void the product warranty. Refer to the complete installation manual provided with the unit for detailed instructions.

Ensure the installation site meets all local building codes and regulations. Proper clearances around the unit

are necessary for adequate airflow and maintenance access.



Image 3.1: Line drawing illustrating the width (W), depth (D), and height (H) dimensions of the condenser unit for installation planning.

State Restrictions: Due to federal guidelines and restrictions, this item cannot be sold or installed in the following states: California, Nevada, New Mexico, Arizona, Texas, Oklahoma, Arkansas, Louisiana, Mississippi, Tennessee, Kentucky, Virginia, Maryland, Delaware, Alabama, Georgia, South Carolina, North Carolina, and Florida.



Image 3.2: U.S. Government EnergyGuide label displaying the efficiency rating (13.40 SEER2) and a map indicating states where installation is allowed.

4. Operating Instructions

Once installed by a qualified professional, the Goodman GLXS3BN2410 AC Condenser operates in conjunction with your indoor coil and thermostat to provide cooling. Operation is typically managed through your home's central thermostat.

- **Thermostat Settings:** Set your thermostat to 'Cool' mode and select your desired temperature. The condenser will activate when the indoor temperature rises above the set point.
- **Initial Startup:** During the first few hours of operation, monitor the system to ensure proper cooling and airflow.
- **Seasonal Use:** For optimal performance and energy savings, avoid frequently turning the system on and off. Use programmable thermostat features to manage temperature changes efficiently.

5. Maintenance

Regular maintenance ensures the longevity and efficiency of your AC condenser. It is recommended to have a qualified technician perform annual inspections and servicing.

- **Coil Cleaning:** Keep the outdoor coil free from dirt, leaves, and debris. Blocked coils reduce efficiency. Gently clean with a soft brush or hose.
- **Clearance:** Maintain at least 24 inches of clear space around the unit to ensure proper airflow.
- **Drainage:** Ensure the condensate drain line is clear and free of obstructions.
- **Indoor Unit Filter:** Regularly check and replace or clean the air filter in your indoor unit as per its manual. A dirty filter restricts airflow and impacts condenser performance.

6. Troubleshooting

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

- **No Cooling:** Check if the thermostat is set to 'Cool' and the desired temperature is below the ambient temperature. Ensure the circuit breaker for the outdoor unit has not tripped.
- **Reduced Airflow:** Inspect the indoor unit's air filter for excessive dirt and replace if necessary. Check for obstructions around the outdoor unit.
- **Unusual Noises:** Minor operational sounds are normal. However, if you hear loud grinding, squealing, or banging, turn off the unit immediately and contact a technician.
- **Unit Not Turning On:** Verify power supply to the unit. Check the thermostat for error codes or battery issues.

7. Warranty and Support

The Goodman GLXS3BN2410 AC Condenser comes with a **10-year parts limited warranty**. This warranty is valid provided the unit is installed by a qualified installer and registered online according to Goodman's terms and conditions.

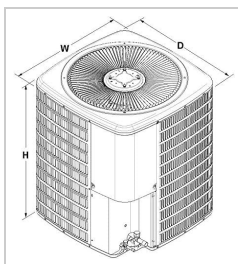


Image 7.1: A shield graphic indicating a 10-year limited warranty.

For warranty registration, detailed terms, or technical support, please visit the official Goodman website or contact their customer service. You can also find more information and support resources by visiting the [Goodman Store](#).