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> Goodman 5 TON 15.2 SEER2 R-32 AC Condenser GLXS5BA6010 User Manual

Goodman GLXS5BA6010

Goodman 5 TON 15.2 SEER2 R-32 AC Condenser

Model: GLXS5BA6010

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Goodman 5 TON 15.2 SEER2 R-32 AC Condenser, model GLXS5BA6010. Please read this manual thoroughly before attempting to install or operate the unit. Retain this manual for future reference.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. 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.
- Wear appropriate personal protective equipment (PPE) such as gloves and safety glasses.
- Ensure proper grounding of the unit to prevent electrical shock.
- The refrigerant R-32 is mildly flammable. Handle with care and ensure adequate ventilation during service. Refer to local codes and regulations for R-32 handling.
- Keep children and pets away from the unit during operation and maintenance.

3. SETUP AND INSTALLATION

The Goodman 5 TON 15.2 SEER2 R-32 AC Condenser is designed for split system residential air conditioning applications. Due to the complexity of HVAC systems and the specific requirements for handling R-32 refrigerant, **installation must be performed by a certified HVAC professional.**

Key installation considerations include:

- Proper sizing of the unit for the conditioned space.
- Secure and level mounting of the outdoor condenser unit.
- Correct refrigerant line sizing and connection.
- Accurate electrical wiring and circuit protection.
- Evacuation of the refrigerant lines to remove moisture and non-condensables.
- Charging the system with the correct amount of R-32 refrigerant.



Image: Goodman 5 TON 15.2 SEER2 R-32 AC Condenser outdoor unit. This image shows the exterior of the condenser unit, typically installed outside a residence.

4. OPERATING INSTRUCTIONS

Once installed by a qualified technician, your Goodman AC Condenser will work in conjunction with an indoor coil and thermostat to provide cooling. Operation is typically controlled via a compatible thermostat.

General operating steps:

1. Ensure the thermostat is set to 'Cool' mode.
2. Set the desired temperature. The unit will cycle on and off to maintain this temperature.
3. Keep all vents and registers clear of obstructions for optimal airflow.
4. Avoid frequently changing thermostat settings, as this can reduce efficiency.

This unit utilizes R-32 refrigerant, which offers improved environmental performance compared to older refrigerants. For more information on R-32, please watch the following informational video:

Your browser does not support the video tag.

Video: R-32 Fact vs Fiction. This video provides factual information regarding R-32 refrigerant, addressing common misconceptions and highlighting its benefits.

5. MAINTENANCE

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

Homeowner maintenance tasks:

- **Clean the outdoor unit:** Periodically remove leaves, grass clippings, and other debris from around the condenser unit. Ensure the coils are free of obstructions.
- **Check the air filter:** Inspect and replace or clean the indoor unit's air filter monthly, or as recommended by the filter manufacturer. A dirty filter restricts airflow and reduces efficiency.
- **Keep the area clear:** Maintain at least 2 feet of clearance around the outdoor unit for proper airflow.

Professional maintenance typically includes:

- Checking refrigerant levels and pressure.
- Cleaning condenser and evaporator coils.
- Inspecting electrical connections and components.
- Lubricating moving parts (if applicable).
- Checking thermostat calibration.
- Inspecting the condensate drain for blockages.

6. TROUBLESHOOTING

Before calling for service, review these common issues and solutions:

Problem	Possible Cause	Solution
Unit not turning on	No power, thermostat issue, tripped breaker	Check circuit breaker, ensure thermostat is set correctly, contact technician if issue persists.
Insufficient cooling	Dirty air filter, blocked outdoor unit, low refrigerant, undersized unit	Clean/replace air filter, clear debris from outdoor unit, contact technician for refrigerant check.
Unit runs constantly	Thermostat setting too low, dirty coils, low refrigerant	Adjust thermostat, clean outdoor unit, contact technician for inspection.
Unusual noises	Loose parts, fan motor issue, compressor problem	Turn off unit immediately and contact a qualified technician.

For any issues not resolved by these steps, or for complex problems, contact a qualified HVAC service technician.

7. SPECIFICATIONS

Feature	Detail
Brand	Goodman
Model	GLXS5BA6010

Feature	Detail
Capacity	5 Tons
SEER2 Rating	15.2
Refrigerant Type	R-32
Installation Type	Split System
Compressor Type	Rotary Scroll
Power Source	Air Powered
Application	Residential
Color	Black
Additional Features	Energy-Efficient Mode
Unit Count	1.0 Count
ASIN	B013GLXRR2

8. WARRANTY INFORMATION

This Goodman AC Condenser comes with a **Limited Warranty**. Specific terms and conditions of the warranty, including coverage duration and exclusions, are provided with the product documentation at the time of purchase. Please refer to your warranty certificate for complete details.

To ensure warranty validity, all installation and service must be performed by a licensed HVAC professional.

9. SUPPORT

For technical assistance, service inquiries, or to locate a qualified Goodman HVAC professional, please visit the official Goodman website or contact their customer support directly. When contacting support, please have your model number (GLXS5BA6010) and serial number ready.

Goodman Official Website: www.goodmanmfg.com