

Goodman GLXS3BN3010, CAPTA3026B3

Goodman 2.5 TON 13.4 SEER2 R-32 AC Only System Instruction Manual

Models: GLXS3BN3010 (Condenser) & CAPTA3026B3 (Vertical Coil)

1. INTRODUCTION

This manual provides essential information for the Goodman 2.5 TON 13.4 SEER2 AC Only System, comprising the GLXS3BN3010 Air Conditioner condenser and the CAPTA3026B3 vertical coil. This system is designed for cooling applications. Please note that this is a partial system and requires a compatible furnace or modular blower to form a complete operational unit. The system utilizes R-32 refrigerant, which necessitates specific safety precautions, including the use of an R-32 leak detection system during operation, particularly when integrated with a furnace.

2. SAFETY INFORMATION

Read all safety warnings and instructions carefully before installing, operating, or performing maintenance on this equipment. Failure to follow these instructions can result in property damage, personal injury, or death.

- **Professional Installation Required:** Installation, service, and repair of this equipment must be performed by a qualified HVAC technician. Improper installation can lead to hazardous conditions and void the warranty.
- **R-32 Refrigerant:** This system uses R-32 refrigerant. R-32 is a mildly flammable refrigerant. An R-32 leak detection system is required for safe operation, especially when used with a furnace. Ensure proper ventilation during installation and servicing.
- **Electrical Hazards:** Disconnect all electrical power to the unit before performing any service or maintenance. Failure to do so can result in electrical shock.
- **Federal Regulations:** This system does not comply with federal regulations for certain states and cannot be shipped to or installed in: AL, AR, AZ, CA, DE, FL, GA, KY, LA, MD, MS, NC, NM, NV, OK, SC, TN, TX, and VA. Installation in these states is prohibited by federal law.

For detailed safety guidelines, consult the official Goodman safety documentation or contact a certified HVAC professional.

U.S. Government

Federal law prohibits removal of this label before consumer purchase.

ENERGYGUIDE

Central Air Conditioner
Cooling Only
Split System

GOODMAN
Model GLXS3BN3010A*



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 allows this unit to be installed **only in:**

AK, CO, CT, ID, IL, IA, IN, KS, MA,
ME, MI, MN, MO, MT, ND, NE, NH,
NJ, NY, OH, OR, PA, RI, SD, UT, VT,
WA, WV, WI, WY, and U.S. territories.



Federal law prohibits installation of this unit in other states.

Energy Efficiency Ratio 2 (EER2): The installed system's minimum EER2 is 10.50.

Image: Energy Guide label for Goodman GLXS3BN3010 AC unit, indicating a 13.40 SEER2 efficiency rating and federal installation restrictions for specific states.

3. PRODUCT OVERVIEW AND COMPONENTS

The Goodman 2.5 TON 13.4 SEER2 AC Only System consists of two primary components:

- **Goodman GLXS3BN3010 Air Conditioner Condenser:** This outdoor unit is responsible for rejecting heat from your home. It features service valves, gauge ports, and inspection points for ease of maintenance. The unit is pre-charged for 15 feet of tubing.

- **Goodman CAPTA3026B3 Vertical Coil:** This indoor coil is designed for vertical airflow applications. It is constructed with corrosion-resistant aluminum and features grooved tubing to enhance heat transfer efficiency. The coil undergoes rigorous helium pressure tests during manufacturing to ensure quality.



Image: The Goodman GLXS3BN3010 AC condenser unit (right) and the CAPTA3026B3 vertical coil (left), forming the core components of the system.

4. SETUP AND INSTALLATION

Installation of this HVAC system requires specialized knowledge and tools. It must be performed by a qualified, licensed HVAC technician to ensure proper function, safety, and warranty validity.

- **System Compatibility:** This system is a partial unit. A compatible furnace or modular blower is required to complete the HVAC system. Ensure all components are correctly matched for optimal performance and safety.
- **Refrigerant Handling:** The GLXS3BN3010 condenser is pre-charged for 15 feet of refrigerant tubing. Any additional refrigerant charging or line set installation must be performed by a qualified technician in accordance with R-32 handling procedures.

- **Electrical Connections:** All electrical wiring must comply with local and national electrical codes. Ensure proper grounding and circuit protection.
- **Ductwork and Airflow:** The CAPTA3026B3 vertical coil requires appropriate ductwork for efficient airflow. Proper sizing and sealing of ductwork are crucial for system performance.
- **Condensate Drainage:** Install a proper condensate drain line for the indoor coil to prevent water damage.

Refer to the specific installation manuals provided with each component for detailed instructions, diagrams, and safety warnings. Always consult with a professional HVAC installer for any questions regarding setup.

5. OPERATING INSTRUCTIONS

Once professionally installed, the Goodman AC Only System operates primarily through your home's thermostat. Ensure your thermostat is compatible with a 2.5-ton, single-stage AC system.

- **Thermostat Control:** Set your thermostat to the 'Cool' mode and adjust the desired temperature. The system will activate to cool your home to the set point.
- **Fan Operation:** The thermostat typically allows for 'Auto' or 'On' fan settings. 'Auto' runs the fan only when cooling is active. 'On' runs the fan continuously, circulating air.
- **Seasonal Use:** This is an AC Only system, designed for cooling. For heating, the system relies on a separate furnace or heat pump component.

For specific instructions on operating your thermostat, refer to the thermostat's user manual.

6. MAINTENANCE

Regular maintenance is crucial for the efficiency, longevity, and safe operation of your Goodman AC system. All complex maintenance and repairs should be performed by a qualified HVAC technician.

- **Air Filter Replacement:** Regularly inspect and replace the air filter in your furnace or air handler. A dirty filter restricts airflow, reduces efficiency, and can damage the system. Follow the filter manufacturer's recommendations for replacement frequency.
- **Outdoor Unit Cleaning:** Keep the area around the outdoor condenser unit (GLXS3BN3010) clear of debris, leaves, and vegetation to ensure proper airflow. Periodically, gently clean the outdoor coil fins with a soft brush or water hose (ensure power is off).
- **Indoor Coil Inspection:** The indoor coil (CAPTA3026B3) should be inspected and cleaned by a professional as part of annual maintenance.
- **Condensate Drain:** Ensure the condensate drain line is clear and free of obstructions to prevent water overflow.
- **Annual Professional Inspection:** Schedule an annual maintenance check-up with a qualified HVAC technician. This includes checking refrigerant levels, electrical connections, system pressures, and overall performance.

7. TROUBLESHOOTING

If you experience issues with your Goodman AC system, consider the following basic checks before contacting a professional. For any complex problems, always consult a qualified HVAC technician.

- **No Cooling:**
 - Check if the thermostat is set to 'Cool' mode and the desired temperature is below the ambient temperature.

- Verify that the circuit breaker for the indoor and outdoor units has not tripped.
- Ensure the air filter is clean and not restricting airflow.
- **Insufficient Cooling:**
 - Check for blocked outdoor condenser coils or restricted indoor airflow.
 - Ensure windows and doors are closed during operation.
- **Unusual Noises:**
 - Rattling or vibrating sounds may indicate loose panels or debris.
 - Hissing or bubbling sounds could indicate a refrigerant leak, requiring immediate professional attention.
- **Water Leaks:**
 - Check the condensate drain line for clogs.

If these basic steps do not resolve the issue, contact a qualified HVAC service technician for diagnosis and repair. Do not attempt complex repairs yourself.

8. SPECIFICATIONS

Key specifications for the Goodman 2.5 TON 13.4 SEER2 R-32 AC Only System:

Specification	Value
Brand	Goodman
Model (Condenser)	GLXS3BN3010
Model (Vertical Coil)	CAPTA3026B3
Capacity	2.5 Tons
Efficiency (SEER2)	13.4
Refrigerant	R-32
Voltage	240 Volts
Condenser Dimensions (D x W x H)	26" x 26" x 32.5"
Condenser Weight	134 lbs (approx.)
Coil Dimensions (D x W x H)	17.5" x 21" x 26"
Coil Weight	46 lbs (approx.)
AHRI Certified	Yes (Certificate #215271989)

Goodman GLXS3BN3010



Tonnage

2.5

Efficiency

13.4 SEER2

Type

AC Only

Dimensions

26 x 26 x 32.5

Weight

134

Lineset

3/8" x 3/4"

AHRI CERTIFIED®
www.ahridirectory.org

10 PARTS
YEAR LIMITED
WARRANTY*

R32

Image: Detailed specifications for the Goodman GLXS3BN3010 AC condenser unit, including tonnage, efficiency, dimensions, and weight.

Goodman CAPTA3026B3



Tonnage

1.5 - 2.5

Connections

3/8" x 7/8"

Dimensions

17.5 x 21 x 26

Weight

46

Orientation

Vertical

10 PARTS
YEAR LIMITED
WARRANTY

R32

Image: Detailed specifications for the Goodman CAPTA3026B3 vertical coil, including tonnage range, connections, dimensions, weight, and orientation.

9. WARRANTY INFORMATION

This Goodman system comes with a **10-year parts limited warranty**, subject to the following conditions:

- **Qualified Installation:** The system must be installed by a qualified, licensed HVAC installer.
- **Online Registration:** The system must be registered online within 60 days of installation. (Online registration is not required in California.)

Failure to meet these conditions may affect warranty coverage. For complete warranty details, terms, and conditions, please contact Goodman directly or the authorized dealer from whom the product was purchased.



Image: A shield icon symbolizing the 10-year limited warranty offered with the product.

10. SUPPORT AND CONTACT

For technical support, warranty claims, or service inquiries, please utilize the following resources:

- **Goodman Official Website:** Visit the official Goodman website for product documentation, FAQs, and contact information.
- **Authorized Dealer/Installer:** Contact the qualified HVAC professional who installed your system for service and maintenance.
- **Seller Support:** For purchase-related inquiries, contact Voomi Supply, the seller of this product.

Always provide your model numbers (GLXS3BN3010 and CAPTA3026B3) and serial numbers when contacting support to expedite assistance.