

Goodman GLXS3BN6010CAPTA6030C3

Goodman GLXS3BN6010 / CAPTA6030C3 5 Ton 13.4 SEER2 R-32 AC System Instruction Manual

Model: GLXS3BN6010 (Condenser) and CAPTA6030C3 (Coil)

Brand: Goodman

PRODUCT OVERVIEW

This document provides essential information for the Goodman 5 TON 13.4 SEER2 R-32 AC Only System, which includes the GLXS3BN6010 Air Conditioner condenser and the CAPTA6030C3 vertical coil. This system is designed for cooling applications and is certified by AHRI under certificate number 215271993. Please note that this is a partial system and requires a compatible furnace or modular blower to make a complete system.



Image: Goodman 5 Ton AC Only System, showing the outdoor condenser unit and the indoor vertical coil unit.

IMPORTANT REFRIGERANT INFORMATION: R-32

As of January 1st, 2025, a new refrigerant, R-32, is being introduced for residential air conditioning systems. R-32 has been used in the automotive industry for many years and offers several advantages:

- **Higher Efficiency:** R-32 is approximately 40% more efficient, meaning less refrigerant is needed per

system.

- **Lower Global Warming Impact:** It has a smaller global warming potential compared to previous refrigerants.
- **Flammability:** R-32 is slightly flammable. If a refrigerant leak is detected in a system paired with a furnace, a compatible "Dragonfly kit" is required to communicate with the furnace and shut off the burner to prevent ignition. This is a rare but important safety consideration.

Compatibility Note: R-410A systems are not backwards compatible with R-32. If you are replacing either the outdoor condenser or the indoor coil, both components must be replaced together to ensure compatibility with R-32 refrigerant. New furnaces are generally compatible with R-32 systems.

Your browser does not support the video tag.

Video: R-32 Fact vs Fiction. This video provides an overview of R-32 refrigerant, addressing common misconceptions and highlighting its benefits and safety considerations.

Your browser does not support the video tag.

Video: Information about refrigerant regulations. This video explains the regulatory changes concerning refrigerants like R-32.

SYSTEM COMPONENTS AND TYPES

This Goodman system is an AC-only split system, consisting of an outdoor condenser (GLXS3BN6010) and an indoor vertical coil (CAPTA6030C3). It requires a separate furnace or modular blower for a complete heating and cooling solution.

Goodman

GLXS3BN6010, CAPTA6030C3



Tonnage

5

Efficiency

13.4 SEER2

Type

AC Only

Region

North*

Flow

Vertical

AHRI

215271993

AHRI CERTIFIED®
www.ahridirectory.org

10 PARTS
YEAR LIMITED
WARRANTY*

R32

* - Due to Federal Guidelines this unit can NOT be sold in the following states:
AL, AR, AZ, CA, DE, FL, GA, KY, LA, MD, MS, NC, NM, NV, OK, SC, TN, TX, and VA
Please contact us if you have questions

Image: Overview of Goodman 5 Ton AC System specifications, including tonnage, efficiency, type, region, flow, AHRI certification, warranty, and R-32 refrigerant.

Goodman

GLXS3BN6010



Tonnage

5

Efficiency

13.4 SEER2

Type

AC Only

Dimensions

35.5 x 35.5 x 39.5

Weight

229

Lineset

3/8" x 1 1/8"

AHRI CERTIFIED®
www.ahridirectory.org

10 YEAR PARTS LIMITED WARRANTY*

R32

Image: Detailed specifications for the Goodman GLXS3BN6010 condenser, including tonnage, efficiency, type, dimensions, weight, lineset, warranty, and R-32 refrigerant.

Goodman CAPTA6030C3



Tonnage

3.5 - 5.0

Connections

3/8" x 7/8"

Dimensions

21 x 21 x 30

Weight

66

Orientation

Vertical

10 PARTS
YEAR LIMITED
WARRANTY*

R32

Image: Detailed specifications for the Goodman CAPTA6030C3 coil, including tonnage, connections, dimensions, weight, orientation, warranty, and R-32 refrigerant.

Types of HVAC Systems:

Understanding your existing HVAC system is crucial for proper installation and compatibility. Common types include:

- **Split System:** Consists of an outdoor unit (condenser) and an indoor unit (coil and air handler/furnace) connected by refrigerant lines. This Goodman system is a component of a split system.
- **Ductless System (Mini-Split):** Features an outdoor unit connected to one or more indoor wall-mounted

units, without extensive ductwork.

- **Package Unit:** All components (condenser, coil, blower, and heating element) are contained within a single outdoor unit, typically installed on a roof or concrete pad.

Your browser does not support the video tag.

Video: What type of system do you have? This video helps identify different HVAC system configurations.

Your browser does not support the video tag.

Video: Condenser with Coil Combination. This video explains the interaction between the condenser and coil in an AC system.

SETUP AND INSTALLATION

Installation of this Goodman AC system must be performed by a qualified and certified HVAC professional. Improper installation can lead to system malfunction, safety hazards, and void the warranty.

Key Considerations:

- **System Matching:** The GLXS3BN6010 condenser and CAPTA6030C3 vertical coil are designed to work together. Ensure your furnace or modular blower is compatible with this R-32 system.
- **Coil Orientation:** The CAPTA6030C3 is a vertical coil (A-coil), suitable for upflow or downflow furnace configurations. If your furnace is horizontal, a horizontal coil is required.
- **Refrigerant Lines:** Proper sizing and installation of refrigerant lines are critical for system performance and efficiency.
- **Electrical Connections:** All electrical wiring must comply with local codes and be performed by a licensed electrician.
- **Drainage:** Ensure proper condensate drainage from the indoor coil to prevent water damage.

Regional Compliance: This system does not comply with Federal regulations for installation in the following states: 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.

OPERATING YOUR SYSTEM

Once installed by a qualified professional, your Goodman AC system is designed for reliable cooling. Familiarize yourself with your thermostat's operation to control temperature settings and fan modes.

SEER2 Efficiency Standards:

The Seasonal Energy Efficiency Ratio 2 (SEER2) is a new standard set by the U.S. Department of Energy to more accurately reflect real-world energy efficiency. This Goodman system has a 13.4 SEER2 rating.

- **North Region:** A minimum of 13.4 SEER2 is required.
- **South Region:** A minimum of 14.3 SEER2 is required.

Always ensure your system meets the minimum SEER2 requirements for your geographical region. Higher SEER2 ratings generally indicate greater energy efficiency and potential long-term savings on utility bills.

U.S. Government

Federal law prohibits removal of this label before consumer purchase.

ENERGYGUIDE

Central Air Conditioner
Cooling Only
Split System

GOODMAN
Model GLXS3BN6010A*



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.



■ Installation allowed

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: EnergyGuide label for the Goodman GLXS3BN6010A model, showing an efficiency rating of 13.40 SEER2 and indicating allowed installation states for the North Region.

Your browser does not support the video
tag.

Video: SEER2 Regulations - 02. This video explains the updated SEER2 efficiency standards.

MAINTENANCE

Regular maintenance is essential to ensure the longevity and efficient operation of your Goodman AC system. It is recommended to schedule annual inspections and tune-ups with a qualified HVAC technician.

User Maintenance Tasks:

- **Filter Replacement:** Regularly check and replace your furnace/air handler filter every 1-3 months, or more frequently if you have pets or allergies.
- **Clear Outdoor Unit:** Keep the area around the outdoor condenser unit free from debris, leaves, and vegetation to ensure proper airflow.
- **Drain Line Check:** Periodically check the condensate drain line for clogs.

Professional Maintenance:

A professional technician can perform comprehensive checks, including refrigerant levels, electrical connections, coil cleaning, and overall system performance to prevent potential issues.

TROUBLESHOOTING

If your system is not operating correctly, consider the following basic troubleshooting steps before contacting a technician:

- **No Cooling:** Check your thermostat settings to ensure it's set to "Cool" mode and the temperature is below the current room temperature. Verify the circuit breaker for the HVAC system hasn't tripped.
- **Poor Airflow:** Check and replace dirty air filters. Ensure no vents are blocked.
- **Unusual Noises:** Strange noises can indicate various issues. Turn off the system and contact a professional for diagnosis.
- **Water Leaks:** Check the condensate drain pan and line for blockages.

For any issues beyond basic checks, it is strongly recommended to contact a qualified HVAC technician to avoid further damage or safety risks.

SPECIFICATIONS

Feature	Detail
Brand	Goodman
Model Name	GLXS3BN6010CAPTA6030C3
Capacity	5 Tons
Seasonal Energy Efficiency Ratio (SEER2)	13.4
Refrigerant	R-32
Filter Type	Filter Drier
Power Source	Corded Electric
Form Factor	Split System

Installation Type	Split System
Color	Black
Efficiency	High
AHRI Certificate Number	215271993

WARRANTY INFORMATION

This Goodman AC system comes with a **10-year parts limited warranty**. To validate the warranty, the system must be installed by a qualified installer and registered online within 60 days of installation. Online registration is not required in California.



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

For complete warranty details and terms, please contact the seller or refer to the official Goodman warranty documentation.

SUPPORT AND CONTACT

For any questions regarding installation, operation, maintenance, or warranty claims, please contact Superior Home Supplies, the seller of this product. They are available to assist with product-related inquiries.

Seller: Superior Home Supplies

For general information about Goodman products, you may visit the [Goodman Store on Amazon](#).