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› [Goodman](#) /

› [Goodman 2 Ton 14 SEER Air Conditioner GSX140241 User Manual](#)

## Goodman GSX140241

# Goodman 2 Ton 14 SEER Air Conditioner GSX140241 User Manual

Model: GSX140241

## 1. INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of your Goodman 2 Ton 14 SEER Air Conditioner, Model GSX140241. Please read this manual thoroughly before attempting to install or operate the unit. Retain this manual for future reference.

The Goodman GSX140241 is a split-system air conditioner designed for efficient cooling. It features a high-efficiency compressor and a single-speed PSC condenser fan motor for consistent airflow and reliable performance.

## 2. PRODUCT OVERVIEW

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**Figure 1:** Goodman GSX140241 Outdoor Unit. Dimensions are approximately 29 inches (width) x 29 inches (depth) x 32.5 inches (height).

**Video 1:** Overview of the Goodman Air Conditioner's features, highlighting its high-efficiency compressor and consistent airflow for optimal performance.

### 3. INSTALLATION AND SETUP

**Important:** This unit must be installed by a qualified HVAC technician. Improper installation can lead to equipment damage, safety hazards, and void the warranty.

#### 3.1 Pre-Installation Considerations

- Ensure the installation location complies with all local and national building codes.
- Verify that the electrical supply meets the unit's requirements (230 Volts).
- This unit is designed as a split system and requires an indoor coil (evaporator) and refrigerant lineset, which are sold separately.

- Thermostats and other control accessories are also sold separately and must be compatible with the unit.

### 3.2 Restricted Installation States

Due to federal guidelines and restrictions, this unit **cannot be installed** in the following states:

- California
- Nevada
- Arizona
- New Mexico

Please consult your local HVAC professional for installation in other regions.

## 4. OPERATING INSTRUCTIONS

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Once installed by a qualified technician, your Goodman GSX140241 air conditioner is designed for straightforward operation via your compatible thermostat.

### 4.1 Basic Operation

1. **Power On:** Ensure the main power switch to the outdoor unit and indoor unit (if applicable) is in the "ON" position.
2. **Thermostat Settings:** Set your thermostat to the "COOL" mode.
3. **Temperature Adjustment:** Adjust the desired temperature setting on your thermostat. The unit will cycle on and off to maintain this temperature.
4. **Fan Operation:** The condenser fan motor operates at a single speed, ensuring consistent airflow for efficient heat exchange.

### 4.2 Energy Efficiency

This unit has a 14 SEER (Seasonal Energy Efficiency Ratio) rating, indicating its energy efficiency. To maximize efficiency:

- Keep windows and doors closed while the unit is operating.
- Ensure proper insulation in your home.
- Avoid setting the thermostat to excessively low temperatures.

## 5. MAINTENANCE

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Regular maintenance is crucial for the longevity and efficient operation of your air conditioner. It is recommended to have a qualified HVAC technician perform annual professional maintenance.

### 5.1 User Maintenance (Monthly/Quarterly)

- **Clean or Replace Air Filters:** Check and clean or replace the indoor unit's air filter monthly, or more frequently if you have pets or allergies. A dirty filter restricts airflow and reduces efficiency.
- **Clear Outdoor Unit:** Ensure the outdoor unit (condenser) is free from debris such as leaves, grass clippings, and dirt. Maintain at least 2 feet of clearance around the unit for proper airflow.
- **Inspect Condensate Drain:** Periodically check the condensate drain line for blockages.

### 5.2 Professional Maintenance (Annually)

A qualified technician should perform the following annually:

- Check refrigerant levels and pressure.
- Clean condenser and evaporator coils.
- Inspect electrical connections and components.
- Lubricate moving parts (if applicable).
- Check thermostat calibration.
- Inspect ductwork for leaks.

## 6. TROUBLESHOOTING

Before calling for service, review the following common issues and solutions. For complex problems, contact a qualified HVAC technician.

Problem	Possible Cause	Solution
Unit not cooling	Thermostat set incorrectly Dirty air filter Power supply issue Refrigerant leak	Set thermostat to COOL mode and desired temperature Clean or replace air filter Check circuit breaker Contact technician
Unit not turning on	No power Thermostat issue Safety switch tripped	Check circuit breaker and power switch Verify thermostat settings Contact technician
Poor airflow	Dirty air filter Blocked outdoor unit Ductwork issues	Clean or replace air filter Clear debris from outdoor unit Contact technician
Unusual noises	Loose parts Motor issues Refrigerant issues	Turn off unit and contact technician immediately

## 7. SPECIFICATIONS

Feature	Detail
Brand	Goodman
Model Number	GSX140241
Capacity	2 Tons
SEER Rating	14
Product Dimensions	29 x 29 x 32.5 inches (D x W x H)
Voltage	230 Volts
Installation Type	Split System
Refrigerant	R 410A
Special Feature	Air Purification Filter (Note: This may refer to compatibility or an optional feature, consult product documentation for specifics)

## 8. WARRANTY INFORMATION

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The Goodman GSX140241 Air Conditioner comes with a **10-year parts limited warranty**.

To qualify for this warranty, the unit must be installed by a qualified installer and registered online with Goodman within 60 days of installation. Failure to meet these conditions may affect warranty coverage. Please refer to the official Goodman warranty documentation for complete terms and conditions.

## 9. CUSTOMER SUPPORT

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For technical assistance, service, or warranty claims, please contact your installing HVAC contractor or a qualified Goodman service provider. It is recommended to have your model number (GSX140241) and serial number ready when contacting support.

You can find more information and locate authorized dealers on the official Goodman website:

[www.goodmanmfg.com](http://www.goodmanmfg.com)