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Pulsar GYC6100S

Goodyear 10 Gallon 150 PSI Oil Free Portable Vertical Electric Air Compressor

Model: GYC6100S

INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Goodyear 10 Gallon 150 PSI Oil Free Portable Vertical Electric Air Compressor, Model GYC6100S. Please read this manual thoroughly before operating the compressor to ensure proper use and to prevent injury or damage.

The Goodyear GYC6100S is designed for quick, reliable performance in various home and garage applications. Its durable vertical tank, strong induction motor, and oil-free pump deliver powerful, maintenance-free operation. It is suitable for tasks such as tire inflation, nailing, stapling, and powering a variety of small air tools.

IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

- **Read All Instructions:** Before operating the air compressor, read and understand all safety warnings and instructions provided in this manual.
- **Work Area:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools. Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and non-skid safety shoes.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Maintenance:** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
- **Air Pressure:** Never exceed the maximum operating pressure of any air tool or accessory. Always depressurize the

tank before moving or servicing the compressor.

PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of your Goodyear air compressor.



Figure 1: Front view of the Goodyear 10 Gallon 150 PSI Oil Free Portable Vertical Electric Air Compressor. This image shows the overall design, including the blue vertical tank, black motor housing, yellow handle, and wheels.



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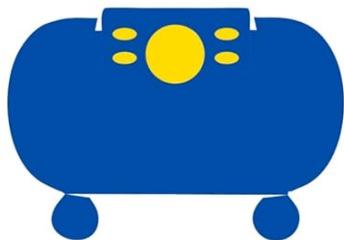
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Figure 2: Labeled diagram highlighting key components: Air Filter, Pressure Gauges, Pressure Hose with Quick Connect Coupler, and Regulator. These parts are crucial for operation and control.



Oil-free

This oil-free air compressor has a maintenance-free induction motor with no oil or belt changes required.



10 Gallon

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Figure 3: Close-up view of the dual pressure gauges. These gauges allow for clear monitoring of both tank pressure and regulated output pressure.



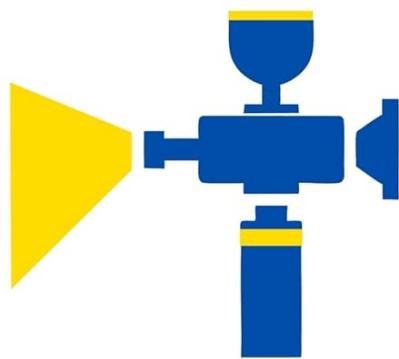
Woodworking



Automotive Repair



Metal Working



Painting & Spraying

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Figure 4: Dimensional diagram of the air compressor, indicating its height (33.9 inches), length (16.9 inches), and width (16.5 inches). This provides an understanding of its compact size.

Key Components:

- **Air Tank:** 10-gallon capacity for compressed air storage.
- **Motor/Pump Assembly:** Oil-free induction motor for maintenance-free operation.
- **Pressure Gauges:** Two gauges to display tank pressure and regulated output pressure.
- **Regulator:** Adjusts the output air pressure to the desired level for tools.
- **Quick-Connect Coupler:** For fast and easy attachment of air hoses and tools.
- **Drain Valve:** Located at the bottom of the tank for moisture removal.
- **Safety Valve:** Automatically releases pressure if it exceeds the maximum safe limit.
- **Wheels and Handle:** For portable convenience and easy mobility.

SETUP

Before first use, ensure the compressor is placed on a stable, level surface in a well-ventilated area. Keep it away from

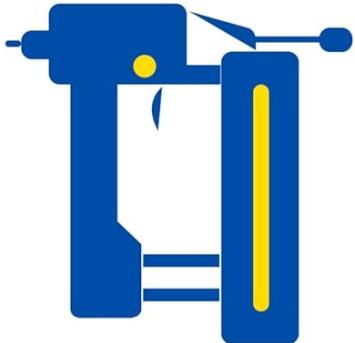
heat sources and flammable materials.

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage.
2. **Wheel Assembly (if required):** Attach the wheels to the compressor frame using the provided hardware. Ensure they are securely fastened.
3. **Handle Assembly (if required):** Secure the handle to the compressor unit.
4. **Air Filter Installation:** Ensure the air filter is properly installed on the intake port.
5. **Electrical Connection:** Connect the compressor to a grounded 120V AC electrical outlet. Ensure the circuit can handle the compressor's current draw (14.5 Amps).
6. **Initial Break-in (First Use):**
 - Open the drain valve at the bottom of the tank.
 - Turn on the compressor and let it run for 15-20 minutes with the drain valve open. This helps to break in the motor and pump components.
 - After the break-in period, close the drain valve. The compressor will now build pressure.

OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your air compressor.

1. **Power On:** Ensure the compressor is plugged into a suitable electrical outlet. Turn the power switch to the "ON" position. The compressor will begin to build air pressure.
2. **Monitor Pressure:** Observe the tank pressure gauge. The compressor will automatically shut off when it reaches its maximum pressure (150 PSI). It will restart automatically when the tank pressure drops below a preset level.
3. **Connect Air Hose/Tool:** Attach your air hose to the quick-connect coupler. Then, connect your desired air tool to the hose.
4. **Adjust Output Pressure:** Use the regulator knob to set the desired output pressure for your specific air tool. Refer to your tool's manual for recommended operating pressures. The regulated output pressure will be displayed on the second pressure gauge.
5. **Begin Operation:** Once the pressure is set, you can begin using your air tool.
6. **Power Off:** When finished, turn the power switch to the "OFF" position.
7. **Depressurize Tank:** Before disconnecting tools or storing the compressor, open the drain valve or use an air tool to release all air pressure from the tank. This is a critical safety step.



4 SCFM at 90 PSI
5 SCFM at 40 PSI

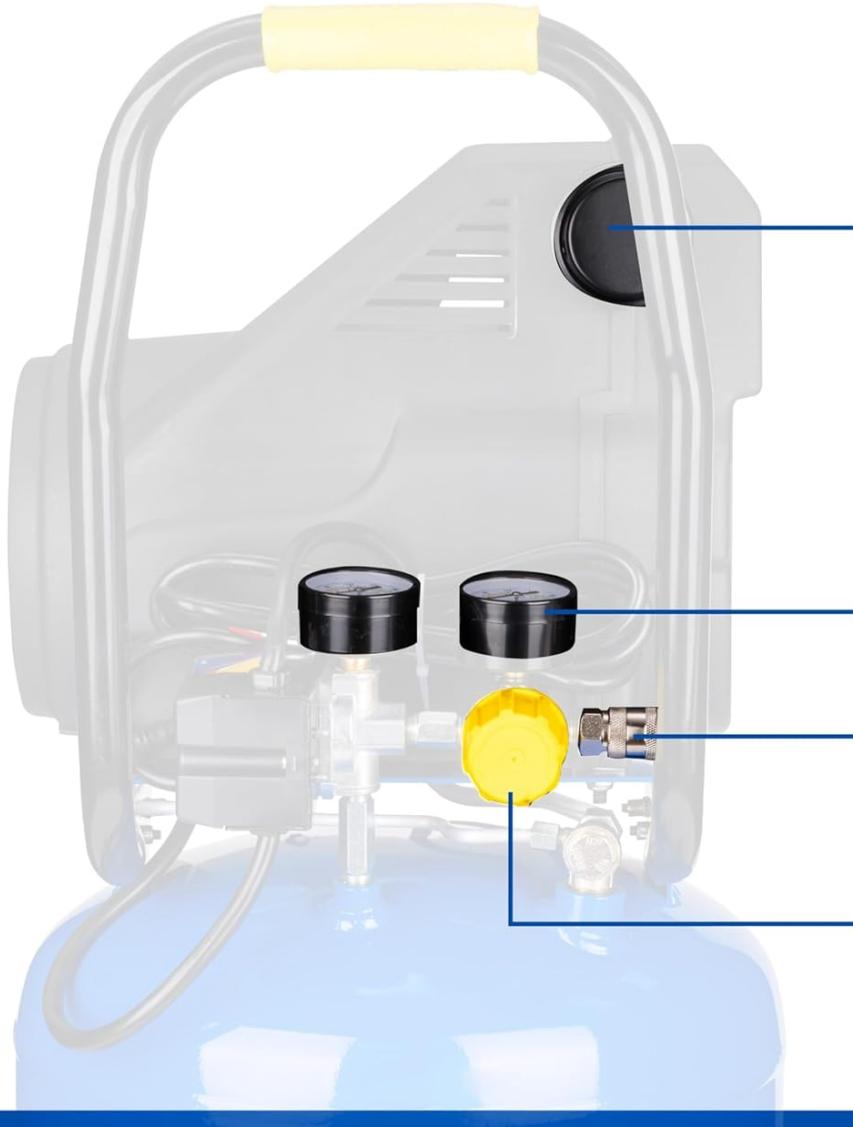


Rated HP: 1.5 HP
150 Max PSI

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Figure 5: The air compressor in use for automotive tasks, such as tire inflation. Its portability makes it convenient for various applications.



Air Filter



Pressure Gauges

Pressure Hose Quick Connect Coupler

Regulator

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Figure 6: The air compressor powering a nail gun for construction or woodworking projects. It provides consistent airflow for various air tools.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your air compressor. This oil-free unit requires minimal maintenance.

- Drain Tank Daily:** Open the drain valve at the bottom of the tank after each use to release accumulated moisture. This prevents rust and corrosion inside the tank.
- Clean Air Filter:** Periodically inspect and clean the air filter. A clogged filter can reduce compressor performance. Replace if damaged.
- Inspect Hoses and Connections:** Regularly check air hoses for cracks, leaks, or damage. Ensure all connections are secure.
- General Cleaning:** Keep the exterior of the compressor clean and free of dust and debris. Do not use harsh chemicals or abrasive cleaners.

- **Storage:** Store the compressor in a clean, dry location. Ensure the tank is fully depressurized before storage.

TROUBLESHOOTING

This section addresses common issues you might encounter with your air compressor. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Compressor does not start or stops unexpectedly.	No power to the unit. Thermal overload switch tripped. Low voltage.	Check power cord, outlet, and circuit breaker. Allow compressor to cool down for 15-20 minutes. Ensure proper voltage supply. Avoid using long extension cords.
Compressor runs continuously or frequently.	Air leak in hose, fittings, or tank. Check valve malfunction.	Check all connections for leaks using soapy water. Tighten or replace components as needed. Contact qualified service personnel.
Low air pressure at the tool.	Regulator set too low. Clogged air filter. Air leak. Tool requires more SCFM than compressor provides.	Adjust regulator to a higher pressure. Clean or replace air filter. Check for and repair air leaks. Ensure the tool's SCFM requirement is within the compressor's capacity.
Excessive noise or vibration.	Loose components. Compressor on uneven surface.	Check and tighten all nuts, bolts, and screws. Place compressor on a firm, level surface.

SPECIFICATIONS

Technical specifications for the Goodyear 10 Gallon 150 PSI Oil Free Portable Vertical Electric Air Compressor.

Feature	Detail
Model Name	GYC6100S
Brand	Pulsar (Goodyear Licensed Product)
Tank Volume	10 Gallons
Maximum Operating Pressure	150 PSI
Air Flow Capacity (SCFM @ 90 PSI)	4.0 SCFM
Air Flow Capacity (SCFM @ 40 PSI)	5.0 SCFM
Motor Horsepower	2 HP (Peak) / 1.5 HP (Rated)
Power Source	Corded Electric
Voltage	120 Volts

Feature	Detail
AC Adapter Current	14.5 Amps
Noise Level	70 dB
Item Weight	68 Pounds
Product Dimensions (L x W x H)	16.9" x 16.5" x 33.9"
Special Features	Built-In Gauge, Oil Free, Portable
Material	Alloy Steel
Color	Blue

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the warranty card included with your purchase or contact Pulsar Products, Inc. customer service directly.

Manufacturer: Pulsar Products, Inc.

Contact Information: Please visit the official Pulsar website or refer to your product packaging for the most current contact details for support and service.

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Related Documents - GYC6100S

 <p>Bajaj Pulsar 150 DTS-i Owner's Manual</p>	<p>Comprehensive owner's manual for the Bajaj Pulsar 150 DTS-i motorcycle, covering operation, maintenance, safety, and warranty information.</p>
 <p>Pulsar PG3250 3250 Watt Generator Owner's Manual</p>	<p>Comprehensive owner's manual for the Pulsar PG3250 3250 Watt Generator, covering safety, operation, maintenance, troubleshooting, and specifications. Learn how to safely operate and maintain your generator.</p>
 <p>Pulsar G12KBN Generator Operator's Manual</p>	<p>Comprehensive operator's manual for the Pulsar G12KBN portable generator, covering safety rules, features, assembly, operation, maintenance, troubleshooting, and warranty information.</p>

	<p>Pulsar B Brushless ESC User Manual and Guide Pichler</p> <p>Comprehensive guide to the Pichler Pulsar B series of brushless Electronic Speed Controllers (ESCs). Learn about features, specifications, setup, programming, and troubleshooting for RC models.</p>
<p>wallbox </p> <p>QUICK START GUIDE myWallbox app</p>	<p>Wallbox myWallbox App Quick Start Guide</p> <p>A comprehensive quick start guide for the Wallbox myWallbox app, covering charger connection via Bluetooth and Wi-Fi, account creation, managing charging sessions, and smart charging features for Pulsar Max.</p>
	<p>Pulsar 510 VLT User Manual: Operation, Safety, and Warranty</p> <p>Comprehensive user manual for the Pulsar 510 VLT, covering device operation, pre-heating, voltage adjustment, battery indication, vaping instructions, electric lighter use, safety warnings, and limited warranty information.</p>