

Pulsar GYC6080S

Goodyear 8 Gallon 150 PSI Oil Free Portable Horizontal Electric Air Compressor User Manual

Model: GYC6080S

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Goodyear GYC6080S 8-Gallon 150 PSI Oil Free Portable Horizontal Electric Air Compressor. Please read this manual thoroughly before operating the compressor and retain it for future reference.

The Goodyear GYC6080S is designed for various applications including tire inflation, nailing, stapling, and powering light-duty air tools. Its oil-free pump and durable design ensure reliable, maintenance-free performance.

SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This includes, but is not limited to:

- Read all instructions before using the compressor.
- Ensure the power source matches the compressor's voltage requirements.
- Do not operate the compressor in wet or damp conditions.
- Wear appropriate personal protective equipment (PPE), such as safety glasses.
- Keep children and bystanders away from the operating area.
- Always unplug the compressor before performing any maintenance or adjustments.
- Do not exceed the maximum operating pressure of 150 PSI.

PRODUCT OVERVIEW

The Goodyear GYC6080S air compressor features a robust design for portability and ease of use.



Figure 1: Overall view of the Goodyear GYC6080S 8-Gallon Air Compressor, showcasing its horizontal tank, motor housing, and handle with wheels for portability.

Key Components:

- **Air Tank:** 8-gallon capacity for compressed air storage.
- **Motor:** Oil-free induction motor for maintenance-free operation.
- **Pressure Gauges:** Dual gauges for monitoring tank pressure and regulated output pressure.
- **Regulator:** Adjusts the output air pressure.
- **Quick-Connect Coupler:** 1/4-inch coupler for fast tool changes.
- **Drain Valve:** Located at the bottom of the tank for moisture removal.
- **Wheels and Handle:** For easy portability.



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Figure 2: Detailed view of the control panel, highlighting the pressure gauges, pressure hose quick connect coupler, regulator, and main switch for easy identification and operation.

SETUP

- 1. Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage.
- 2. Assembly:** Attach the wheels and handle if not pre-assembled. Ensure all fasteners are securely tightened.
- 3. Placement:** Position the compressor on a firm, level surface in a clean, well-ventilated area. Ensure adequate space around the unit for air circulation.
- 4. Electrical Connection:** Connect the power cord to a grounded 120V AC outlet. Verify that the circuit can handle the compressor's current draw (14.5 Amps).

OPERATING INSTRUCTIONS

- 1. Initial Startup:**

- Close the drain valve located at the bottom of the tank.
- Turn the main switch to the "ON" position. The compressor will begin to build pressure.
- Allow the compressor to reach its maximum pressure (150 PSI) and shut off automatically. This indicates proper function of the pressure switch.

2. Connecting Air Tools:

- Ensure the air tool is compatible with the compressor's pressure and SCFM output.
- Connect your air hose to the 1/4-inch quick-connect coupler.
- Adjust the output pressure using the regulator knob to match the requirements of your air tool. Monitor the regulated pressure gauge.

3. Operation:

- The compressor will cycle on and off automatically to maintain tank pressure during use.
- For optimal performance, avoid continuous operation that keeps the motor running constantly.

4. Shutting Down:

- Turn the main switch to the "OFF" position.
- Disconnect the power cord from the outlet.
- Bleed off any remaining air pressure from the tank by opening the drain valve or using an air tool until the tank pressure gauge reads zero.

Pressure Gauges

Pressure Hose Quick Connect Coupler

Regulator

Main Switch

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Figure 3: The Goodyear GYC6080S in use, demonstrating its application with a pneumatic nail gun for construction or woodworking tasks.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your air compressor. This model features an oil-free pump, eliminating the need for oil changes.

- **Drain the Air Tank:**

Moisture accumulates in the air tank during operation. To prevent rust and corrosion, drain the tank daily or after each use. Place a container under the drain valve and open the valve until all moisture and air are expelled. Close the valve securely afterward.

- **Clean Air Filter:**

Periodically inspect and clean the air filter. A clogged filter can reduce compressor performance and lifespan. Refer to the filter housing for specific cleaning instructions, typically involving removal and cleaning with compressed air or replacement if heavily soiled.

- **Inspect Hoses and Fittings:**

Regularly check all air hoses and fittings for cracks, leaks, or damage. Replace any damaged components immediately to maintain air pressure and safety.

- **General Cleaning:**

Keep the compressor clean and free of dust and debris. Use a damp cloth to wipe down exterior surfaces. Do not use harsh chemicals or abrasive cleaners.

TROUBLESHOOTING

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 10-15 minutes, then reset the switch. Ensure proper voltage supply.
Compressor runs continuously or cycles too frequently.	Air leak in tank, hose, or fittings. Pressure switch malfunction.	Check all connections for leaks using soapy water. Tighten or replace as needed. Contact customer support for assistance.
Low air pressure at outlet.	Regulator set too low. Air leak. Clogged air filter.	Adjust regulator to desired pressure. Check for and repair air leaks. Clean or replace air filter.

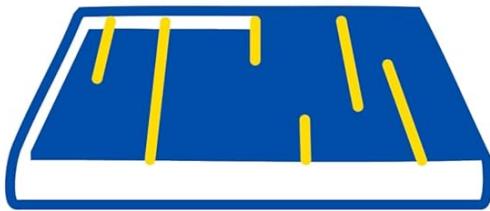
SPECIFICATIONS

Feature	Detail
Model Name	GYC6080S
Tank Capacity	8 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
Voltage	120 Volts
AC Adapter Current	14.5 Amps
Noise Level	70 dB
Power Source	Corded Electric
Special Features	Oil Free, Portable
Product Dimensions (L x W x H)	11.2" x 26" x 26.2"
Item Weight	57.2 Pounds



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Figure 4: Visual representation of the compressor's key features: oil-free operation for reduced maintenance and an 8-gallon tank capacity.



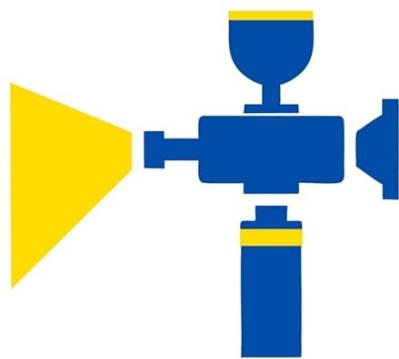
Woodworking



Automotive Repair



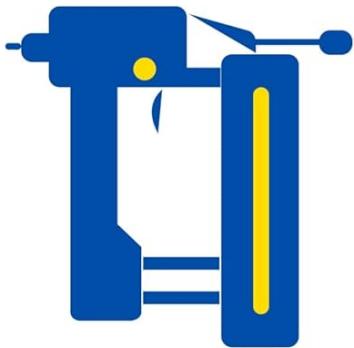
Metal Working



Painting & Spraying

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Figure 5: Performance specifications including 4 SCFM at 90 PSI, 5 SCFM at 40 PSI, and a maximum pressure of 150 PSI.



4 SCFM at 90 PSI
5 SCFM at 40 PSI



Rated HP: 1.5 HP
150 Max PSI

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Figure 6: Dimensional overview of the compressor, indicating its length, width, and height for space planning.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official Pulsar website. Keep your purchase receipt as proof of purchase.

Manufacturer: Pulsar Products, Inc.

UPC: 814726028541

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