

CENTRAL PNEUMATIC ha67847

Central Pneumatic 2.5 HP, 21 Gallon Air Compressor User Manual

Model: ha67847

Brand: CENTRAL PNEUMATIC

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Central Pneumatic 2.5 Horsepower, 21 Gallon, 125 PSI Cast Iron Vertical Air Compressor. Please read this manual thoroughly before operating the compressor to ensure proper use and to prevent injury or damage.

This vertical air compressor is designed to power various air tools and inflate tires in a home shop environment. It features a built-in universal quick-connect coupler for easy hose connection and is equipped with wheels and rubber foot stabilizers for portability and reduced vibration.

2. SAFETY INFORMATION

WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

General Safety Rules

- Always wear ANSI-approved safety goggles during setup and operation.
- Do not operate the compressor in wet or damp conditions, or in the presence of flammable liquids or gases.
- Ensure the compressor is placed on a stable, level surface.
- Keep children and bystanders away from the operating area.
- Disconnect power before performing any maintenance or adjustments.
- Do not exceed the maximum operating pressure of 125 PSI.
- Regularly inspect the air tank for rust or damage. Do not use if damaged.
- Use only accessories rated for the compressor's pressure.

3. COMPONENTS AND FEATURES

Familiarize yourself with the key components of your air compressor:

- **Motor:** Heavy duty 2.5 horsepower rated single capacitor motor with thermal overload protection.
- **Compressor Pump:** Long-life oil lubricated compressor with precision machined cast-iron sleeve.
- **Air Tank:** 21 Gallon vertical tank.
- **Pressure Gauges:** For monitoring tank and regulated pressure.
- **Regulator:** To adjust output air pressure.
- **Quick Coupler:** Built-in universal quick coupler for hose connection.
- **Wheels:** 6-inch wheels for portability.
- **Foot Stabilizers:** Rubber foot stabilizers to reduce vibration.
- **Oil Level Indicator:** Window for easy oil level monitoring.





Image 3.1: Front view of the Central Pneumatic 2.5 HP, 21 Gallon Air Compressor, showing the tank, motor, gauges, and wheels.

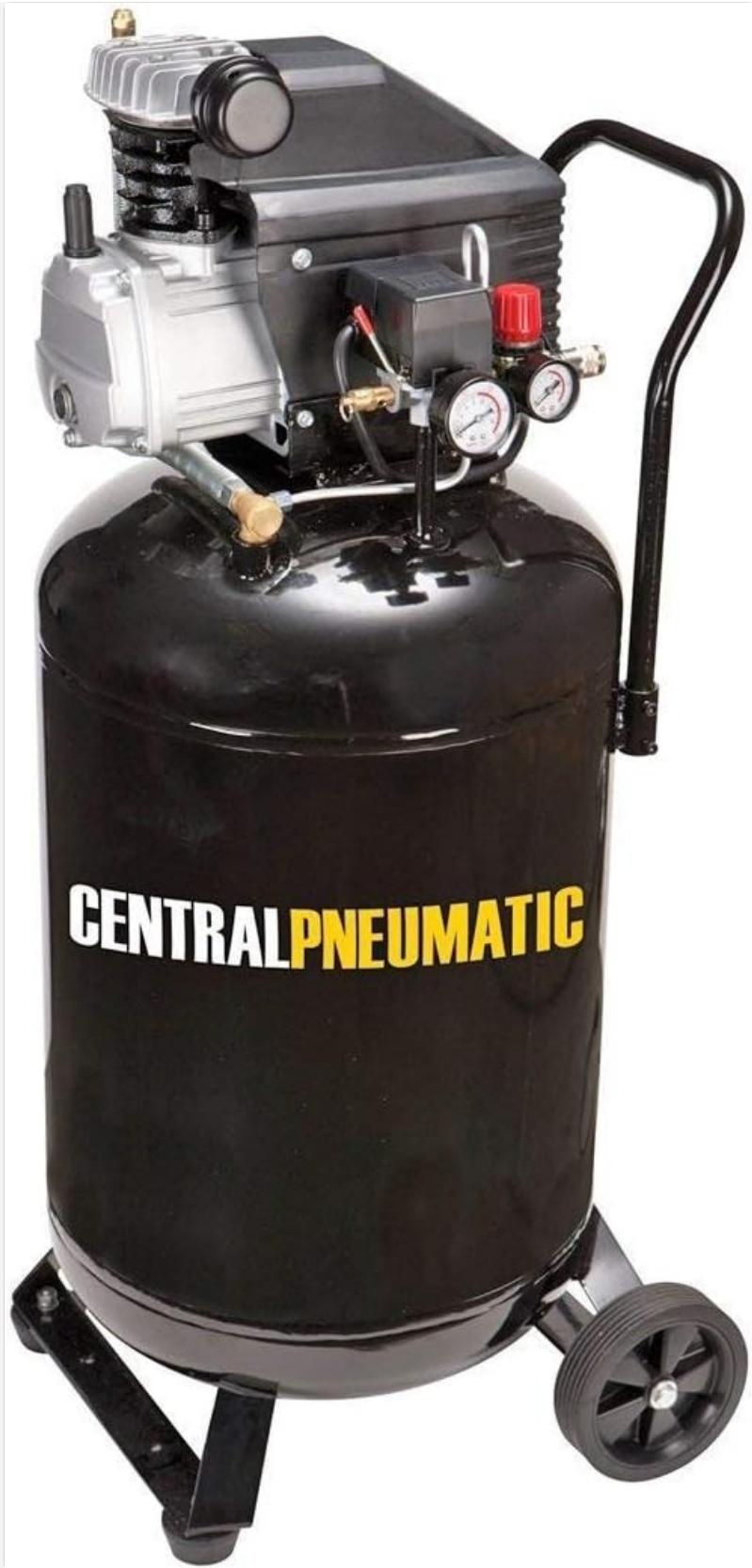


Image 3.2: Side view of the Central Pneumatic Air Compressor, highlighting the motor and handle assembly.

4. SETUP

Unpacking and Assembly

1. Carefully remove all components from the packaging.
2. Attach the wheel kit and ergonomic handle as per the included assembly diagram (if not pre-assembled).

3. Ensure the rubber foot stabilizers are securely in place.

Initial Oil Fill/Check

The compressor is oil-lubricated. Before first use, or if the oil level is low, add or check the oil:

1. Locate the oil fill cap and oil level indicator window.
2. Ensure the oil level is within the recommended range on the indicator.
3. If adding oil, use only compressor oil (not motor oil).

Electrical Connection

- Connect the compressor to a grounded electrical outlet.
- Ensure the circuit can handle the compressor's amperage (14 Amps). Avoid using long, thin extension cords.

5. OPERATING INSTRUCTIONS

Starting the Compressor

1. Ensure the drain valve at the bottom of the tank is closed.
2. Plug in the compressor.
3. Turn the power switch to the "ON" position. The compressor will begin to fill the tank.
4. Allow the compressor to reach its maximum pressure (125 PSI) and shut off automatically. This indicates the pressure switch is functioning correctly.

Connecting Air Tools

1. Attach your air hose to the built-in quick coupler.
2. Connect your desired air tool to the other end of the hose.
3. Adjust the output pressure using the regulator knob to match the requirements of your air tool. Monitor the regulated pressure gauge.

Shutting Down

1. Turn the power switch to the "OFF" position.
2. Disconnect the air hose and tools.
3. Slowly open the drain valve at the bottom of the tank to release any condensed moisture. Close the valve once all moisture and air have been expelled.

6. MAINTENANCE

Daily Maintenance

- **Drain Tank:** Drain moisture from the air tank daily or after each use to prevent rust and corrosion.
- **Check Oil Level:** Verify the oil level using the oil level indicator window. Add oil if necessary.

Weekly/Monthly Maintenance

- **Clean Air Filter:** Inspect and clean the air filter. Replace if damaged or excessively dirty.

- **Inspect Hoses and Connections:** Check for leaks, cracks, or damage. Replace any faulty components.
- **Check Fasteners:** Ensure all nuts, bolts, and fittings are tight.

Oil Change

Change the compressor oil after the first 20 hours of operation, then every 200 hours or three months, whichever comes first. Use only non-detergent compressor oil.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Compressor does not start or trips breaker.	Insufficient power supply; Thermal overload activated; Faulty switch.	Ensure proper voltage and amperage circuit. Allow motor to cool. Check power cord. Consult qualified technician if problem persists.
Air leaks from tank or fittings.	Loose fittings; Damaged seals/hoses; Open drain valve.	Tighten all connections. Replace damaged parts. Close drain valve.
Compressor runs continuously or cycles too frequently.	Air leak; Pressure switch malfunction; Excessive air demand.	Check for and repair air leaks. Consult technician for pressure switch. Reduce air tool usage or use a larger compressor.
Low air pressure at outlet.	Regulator set too low; Clogged air filter; Air leak.	Adjust regulator to desired pressure. Clean or replace air filter. Check for and repair air leaks.

8. SPECIFICATIONS



Image 8.1: Dimensional drawing of the Central Pneumatic Air Compressor, showing height, length, and width.

Specification	Value
Model Name	ha67847
Horsepower	2.5 HP
Tank Volume	21 Gallons
Maximum Pressure	125 PSI
Air Flow Capacity (CFM @ 40 PSI)	5.8 CFM
Air Flow Capacity (CFM @ 90 PSI)	4.7 CFM
Amperage	14 Amps

Specification	Value
Maximum Speed	3400 RPM
Product Height	43.3 in.
Product Length	23 in.
Product Width	17 in.
Product Weight	96 lbs.
UPC	792363616935

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact Central Pneumatic customer service directly. Keep your purchase receipt for warranty claims.

Manufacturer: Central Pneumatic