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TRUPER COMP-50LT

Truper COMP-50LT 50L Lubricated Air Compressor User Manual

Model: COMP-50LT (15007) | Brand: TRUPER

1. Introduction

Thank you for choosing the Truper COMP-50LT 50L Lubricated Air Compressor. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new air compressor. Please read this manual thoroughly before operating the unit and keep it for future reference.

General Safety Warnings

- Always wear appropriate personal protective equipment (PPE) such as safety glasses and hearing protection when operating the compressor.
- Ensure the compressor is placed on a stable, level surface in a well-ventilated area.
- Do not operate the compressor in wet or damp conditions, or near flammable liquids or gases.
- Always disconnect the power supply before performing any maintenance or adjustments.
- Never direct compressed air at people or animals.

2. Product Components

Familiarize yourself with the main components of your Truper COMP-50LT air compressor:



Figure 2.1: Overview of the Truper COMP-50LT air compressor with key components labeled. This image highlights the single-phase air compressor, aluminum crankcase for heat dissipation, low noise level, transport handle, two manometers, pressure regulator, two quick-connect valves, and its lightweight, transportable, resistant, and easy-to-maintain design.

- **Motor with Copper Coils:** Provides durable and efficient power for compression.
- **Air Tank (50L):** Stores compressed air.
- **Pressure Switch:** Automatically starts and stops the motor to maintain tank pressure.
- **Manometers (2):** One indicates tank pressure, the other indicates regulated outlet pressure.
- **Pressure Regulator:** Allows adjustment of the air pressure delivered to tools.
- **Quick Connect Valves:** For easy attachment and detachment of air hoses.
- **Wheels and Handle:** Facilitate easy transportation of the unit.
- **Mechanical Air Filter:** Filters incoming air to protect the compressor pump.



Figure 2.2: Front view of the Truper COMP-50LT 50L Lubricated Air Compressor.



Ruedas para fácil transportación

Figure 2.3: Close-up view of the pressure switch and dual manometers, allowing monitoring of both tank and regulated output pressure.

3. Setup and Initial Use

Unpacking and Assembly

1. Carefully remove the compressor from its packaging. Inspect for any shipping damage.
2. Attach the wheels to the designated axles at the base of the tank. Secure them with the provided hardware.
3. Install the transport handle by sliding it into the mounting brackets and securing it.
4. Ensure all connections are tight and secure before operation.


120
90
150
60
180
kg/cm²

Figure 3.1: The compressor features sturdy wheels for convenient transportation around your workspace.

Electrical Connection

Connect the compressor to a grounded 120V electrical outlet. Ensure the circuit can handle the compressor's power requirements (3.5 HP maximum power).

Initial Oil Check

As a lubricated compressor, ensure the oil level is correct before first use. Refer to the oil sight glass or dipstick. Add appropriate compressor oil if necessary.

4. Operation

Starting the Compressor

1. Plug the power cord into a suitable 120V grounded outlet.
2. Turn the pressure switch to the 'ON' position. The compressor will begin to fill the tank with air.
3. The compressor features both automatic and manual start capabilities. It will automatically stop once the maximum pressure is reached and restart when the pressure drops below a set threshold.

Adjusting Output Pressure

Use the pressure regulator knob to set the desired output pressure for your air tools. Monitor the regulated pressure manometer to ensure the correct setting.

Connecting Air Tools

Connect your air hose (suitable for 1/4", 3/8", or 1/2" connections) to one of the quick-connect valves. Attach your air tool to the other end of the hose.



Figure 4.1: The 50-liter tank capacity provides ample air for various tasks.

Shutting Down

1. Turn the pressure switch to the 'OFF' position.
2. Unplug the compressor from the power outlet.
3. Bleed any remaining air pressure from the tank by opening the drain valve or using an air tool until the tank pressure reads zero.

5. Maintenance

Regular maintenance is crucial for the longevity and optimal performance of your air compressor.

Draining Condensation

Moisture accumulates in the air tank during operation. To prevent rust and maintain tank integrity, drain the condensation daily or after each use. Locate the drain valve at the bottom of the tank, place a container underneath, and open the valve until all moisture is expelled. Close the valve securely.

Oil Level Check and Change

Check the oil level before each use. The oil sight glass provides a visual indication. Change the compressor oil according to the manufacturer's recommendations (typically every 50-100 hours of operation or annually, whichever comes first). Use only non-detergent compressor oil.

Air Filter Maintenance

The mechanical air filter should be inspected regularly (weekly or bi-weekly depending on usage) and cleaned or replaced as needed. A clogged filter can reduce compressor efficiency and lifespan.

General Cleaning

Keep the compressor clean and free of dust and debris. Wipe down the exterior with a damp cloth. Ensure cooling fins on the motor are clear for proper heat dissipation.

6. Troubleshooting

This section addresses common issues you might encounter with your air compressor.

Problem	Possible Cause	Solution
Compressor does not start	No power; tripped circuit breaker; pressure switch in 'OFF' position.	Check power connection; reset circuit breaker; turn pressure switch to 'ON'.
Low air pressure / Compressor runs continuously	Air leak; clogged air filter; worn piston rings.	Check for leaks at connections; clean/replace air filter; contact service for worn parts.
Excessive noise or vibration	Loose components; insufficient oil; unit not on level surface.	Tighten all bolts; check oil level and add if low; ensure stable placement.
Oil leakage	Loose drain plug; damaged seals.	Tighten drain plug; contact service for seal replacement.

7. Specifications

Manufacturer	Truper SA de CV
Model Number	COMP-50LT (15007)
Tank Capacity	50 Liters (13 Gallons)
Voltage	120 V
Maximum Power	3.5 HP
Sound Level	79 dB
Dimensions (L x W x H)	70 x 66 x 37 cm
Weight	30 Kilograms
Special Features	Built-in manometer, copper motor coils, automatic/manual start.



Figure 7.1: Dimensions of the Truper COMP-50LT air compressor: 70 cm (Length), 66 cm (Width), 37 cm (Height).

8. Warranty and Support

Warranty Information

For detailed warranty information, please refer to the warranty card included with your product or visit the official TRUPER website. Keep your purchase receipt as proof of purchase for any warranty claims.

Customer Support

If you have any questions, require technical assistance, or need to order replacement parts, please contact TRUPER customer support. Contact details can typically be found on the TRUPER website or on the product packaging.

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