

Truper COMP-24S

Truper COMP-24S 24L Oil-Free Air Compressor User Manual

Model: COMP-24S | Brand: Truper

1. INTRODUCTION

Thank you for choosing the Truper COMP-24S 24L Oil-Free Air Compressor. This manual provides essential information for the safe and efficient operation, setup, and maintenance of your new air compressor. Please read this manual thoroughly before operating the unit and retain it for future reference. The Truper COMP-24S is a portable, oil-free air compressor designed for various applications, including use with pneumatic tools in workshops, carpentry, and mechanical tasks. Its compact and lightweight design, along with handlebars and wheels, ensures easy transport.



Figure 1: Truper COMP-24S 24L Oil-Free Air Compressor. This image shows the overall appearance of the compressor, featuring its orange tank and black motor housing with a handle.

2. SAFETY INSTRUCTIONS

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

- **Electrical Safety:** Ensure the power source matches the compressor's voltage (127V / 60Hz). Use a properly grounded outlet. Do not operate in wet conditions.
- **Personal Safety:** Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- **Operating Environment:** Operate the compressor in a well-ventilated area. Keep children and bystanders away. Do not use in explosive atmospheres.
- **Pressure Safety:** Never exceed the maximum operating pressure of 135 PSI. Do not tamper with the safety valve.
- **Maintenance:** Disconnect the power supply before performing any maintenance or adjustments.
- **Noise Level:** The compressor operates at 90 dB. Prolonged exposure to high noise levels can cause hearing damage. Use hearing protection.

3. PACKAGE CONTENTS

Upon unpacking, ensure all items are present and undamaged:

- Truper COMP-24S Air Compressor Unit
- Pressure Gauge (pre-installed or included for installation)
- User Manual (this document)



Figure 2: Product Packaging. This image displays the retail box for the Truper COMP-24S air compressor, highlighting key features and specifications on the packaging.

4. SETUP

Follow these steps for initial setup before first use:

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage.
2. **Placement:** Place the compressor on a stable, level surface in a clean, well-ventilated area. Ensure adequate clearance around the unit for air circulation.
3. **Wheel and Handle Assembly (if required):** Attach the wheels and handlebars if they are not pre-assembled. Refer to the included assembly diagram for specific instructions.

4. **Connect Air Hose:** Connect your 1/4", 3/8", or 1/2" air hose to the 1/4" quick connect valve. Ensure a secure connection.
5. **Electrical Connection:** Plug the compressor into a grounded 127V / 60Hz electrical outlet. The power cord is 14 AWG x 3C with insulation temperature of 105°C.



Figure 3: Key Components. This image highlights various parts of the compressor, including the single-phase motor, pressure regulator, and two pressure gauges for tank and outlet pressure.

5. OPERATING INSTRUCTIONS

Operating your Truper COMP-24S Air Compressor:

1. **Power On:** Ensure the compressor is plugged in. The compressor features automatic and manual start options.
2. **Set Desired Pressure:** Use the pressure regulator (refer to Figure 3) to adjust the outlet pressure to your required setting. Monitor the two pressure gauges; one displays tank pressure, and the other displays adjustable outlet pressure.
3. **Connect Tool:** Attach your pneumatic tool to the quick connect valve.
4. **Operation:** The compressor will automatically start when the tank pressure drops below a certain level and stop when it reaches the maximum pressure.

- 5. **Power Off:** When finished, turn off the compressor and unplug it from the power source.
- 6. **Drain Tank:** Always drain any accumulated moisture from the tank after each use to prevent corrosion. Locate the drain valve at the bottom of the tank.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your compressor. Always disconnect power before maintenance.

- **Tank Drainage:** Drain the air tank daily or after each use to remove condensation. This prevents rust and extends tank life.
- **Oil-Free Design:** This compressor is oil-free, eliminating the need for oil changes or oil level checks.
- **Air Filter:** Periodically inspect and clean or replace the air filter as needed. A clogged filter can reduce efficiency.
- **General Cleaning:** Keep the compressor clean and free of dust and debris. Wipe down the exterior with a damp cloth.
- **Inspect Hoses and Connections:** Regularly check air hoses and connections for leaks, wear, or damage. Replace any faulty components immediately.

7. TROUBLESHOOTING

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
Compressor does not start	No power, tripped circuit breaker, faulty switch	Check power connection, reset breaker, contact service if switch is faulty.
Compressor runs continuously or frequently	Air leak in hose/fittings, faulty pressure switch, drain valve open	Check for leaks and tighten connections, close drain valve, contact service for pressure switch.
Low air pressure output	Clogged air filter, air leak, regulator set too low	Clean/replace air filter, check for leaks, adjust pressure regulator.
Excessive noise or vibration	Loose components, anti-vibration system issue, motor problem	Check and tighten all fasteners. Ensure anti-vibration feet are intact. Contact service if motor issue suspected.

8. SPECIFICATIONS

Detailed technical specifications for the Truper COMP-24S Air Compressor:

Feature	Specification
Model Name	COMP-24S
Brand	Truper
Capacity	24 Liters (6.3 Gallons)

Feature	Specification
Maximum Power	2 2/3 HP / 2,000W
Rated Power	1 2/3 HP / 1,250 W
Speed	4,500 rpm
Current	9A
Voltage/Frequency	127V / 60Hz
Airflow @ 90PSI	2.4 CFM
Airflow @ 40PSI	3.4 CFM
Maximum Operating Pressure	135 PSI (1,000 kPa)
Noise Level	90 dB
Outlets	2 x 1/4" Quick Connect
Conductors	14 AWG x 3C with 105°C Insulation Temperature
Insulation Class	Class I
IP Grade	IP20
Dimensions (L x W x H)	41 cm x 44 cm x 41 cm (16.14"L x 11.81"W x 17.32"H)
Weight	13 kg (32.7 lbs)
Material	Copper (motor coils), Aluminum (discharge tubes)
Special Feature	Oil-Free, Lightweight, Anti-vibration system

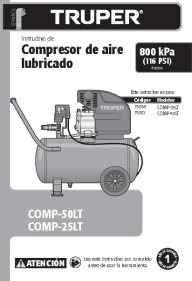



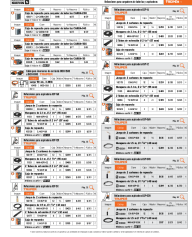



Figure 4: Product Dimensions. This image illustrates the height, width, and depth measurements of the Truper COMP-24S air compressor.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact information provided on your purchase receipt or visit the official Truper website. Keep your proof of purchase for warranty claims.

Related Documents - COMP-24S

	<p>TRUPER COMP-25LT / COMP-50LT Lubricated Air Compressor Manual</p> <p>Comprehensive user manual for TRUPER COMP-25LT and COMP-50LT lubricated air compressors, covering specifications, safety, operation, maintenance, and troubleshooting. Includes detailed instructions and safety warnings.</p>
	<p>Truper COMP-50LV Vertical Air Compressor Manual</p> <p>This manual provides operating, safety, and maintenance instructions for the Truper COMP-50LV vertical air compressor. It includes technical specifications, troubleshooting tips, and a list of authorized service centers.</p>
	<p>Manual del Compresor de Aire de Banda TRUPER COMP-120LV</p> <p>Manual de instrucciones completo para el compresor de aire de banda TRUPER modelo COMP-120LV (19358). Incluye especificaciones técnicas, requisitos eléctricos, advertencias de seguridad, partes, puesta en marcha, mantenimiento, solución de problemas y póliza de garantía.</p>
	<p>Accesorio Neumático Truper PISO-695 - Cuerpo de Aluminio, Conexión 1/4 NPT</p> <p>Especificaciones técnicas, recomendaciones de seguridad y detalles de garantía para el accesorio neumático Truper PISO-695. Incluye información sobre su cuerpo de aluminio, conexión 1/4 NPT, presión máxima y contacto del importador.</p>
	<p>Catálogo de Refacciones TRUPER: Piezas de Repuesto para Herramientas</p> <p>Encuentre refacciones originales TRUPER y PRETUL para una amplia gama de herramientas, incluyendo aspiradoras, cargadores, sopladoras, bombas, compresores y más. Consulte nuestro catálogo detallado.</p>
	<p>Manual de Usuario y Seguridad para Compresor de Aire TRUPER COMP-50LV</p> <p>Instrucciones detalladas, especificaciones técnicas, advertencias de seguridad, mantenimiento y solución de problemas para el compresor de aire TRUPER modelo COMP-50LV.</p>

