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TUXING TXES063

TUXING Portable PCP Air Compressor TXES063 User Manual

Model: TXES063

1. Important Safety Information

Read all instructions carefully before operating the compressor. Failure to follow these instructions may result in serious injury or property damage.

- Always operate the compressor in a well-ventilated area.
- Ensure the power supply matches the compressor's requirements (110V AC or 12V DC).
- Do not touch hot surfaces during or immediately after operation.
- Always wear appropriate personal protective equipment (PPE), such as eye protection.
- Keep children and unauthorized personnel away from the operating compressor.
- Before disconnecting the fill hose, always release the bleed valve to depressurize the system.
- Do not start the compressor if there is still air pressure inside.
- Regularly inspect the compressor for any damage or wear.
- Do not modify the compressor in any way.

2. Product Overview

The TUXING Portable PCP Air Compressor (Model TXES063) is designed for efficient and convenient inflation of PCP air rifles, paintball tanks, and mini diving tanks. It features an auto-stop function, built-in cooling fan, and dual power options (12V DC for car battery or 110V AC for home use).

2.1 Key Features

- **Portable Design:** Lightweight (9.6 kg) and compact for easy transport.
- **High Pressure Output:** Reaches up to 4500 PSI / 300 Bar.
- **Fast Inflation:** Inflation speed up to 2700 r/min.
- **Auto-Stop Function:** Automatically stops when preset pressure is reached.

- **Built-in Cooling Fan:** Ensures long life and stable operation without external water cooling.
- **Oil-Free & Water-Free:** Clean and hygienic operation. Includes an extra moisture-oil separator.
- **Dual Power Supply:** Operates on 12V DC (car battery) or 110V AC (home outlet).
- **Integrated Transformer:** For seamless switching between AC and DC power.
- **Visible Gauges:** Features a pressure gauge and an LED temperature display.

2.2 Package Contents

Verify that all items are present in the package:



Image: The TUXING PCP Air Compressor with its power cord, car battery clamps, high-pressure hose with moisture-oil separator, and various spare parts including O-rings, filters, and fuses.

- TUXING Portable PCP Air Compressor (TXES063)
- AC Power Cord (for 110V home use)
- DC Power Cable with Alligator Clamps (for 12V car battery)
- High-Pressure Fill Hose with 8mm Quick Connector
- Extra Moisture-Oil Separator (not installed)

- Spare O-rings, filters, and fuses
- User Manual (this document)

2.3 Component Identification



Image: A detailed diagram labeling the key components of the compressor, including the Set Pressure Gauge, Portable Handle, Temperature Gauge, High Pressure Air Outlet, Bursting Disc, Air Release Screw, Fan Switch, Compressor Switch, Fuse, Car Power Socket, and Home Power Socket.

- **Set Pressure Gauge:** Displays the current pressure.
- **Portable Handle:** For easy carrying.
- **Temperature Gauge:** LED display showing internal temperature.
- **High Pressure Air Outlet:** Connection point for the fill hose.
- **Bursting Disc:** Safety feature to release pressure if it exceeds limits.
- **Air Release Screw:** Used to depressurize the system after inflation.
- **Fan Switch:** Activates the cooling fan.
- **Compressor Switch:** Activates the compressor pump.
- **Fuse:** Electrical safety component.
- **Car Power Socket:** For 12V DC input.

- **Home Power Socket:** For 110V AC input.

3. Setup and Initial Operation

Follow these steps for safe and proper setup and initial operation of your TUXING PCP Air Compressor.



Image: An illustration demonstrating the connection of the power cord to the converter, the converter to the compressor, and the tightening of the screw and hose.

1. **Power Connection:**
    - Connect the appropriate power cord (AC or DC) to the compressor.
    - If using AC power, ensure the internal voltage switch (if present and accessible) is set to 110V to match your local power supply. **Important:** Verify the converter suits your local power voltage.
    - If using DC power, connect the alligator clamps to a 12V car battery, ensuring correct polarity.
2. **Secure Connections:**
    - Tighten the screw located below the compressor (refer to Component Identification).
    - Install the high-pressure fill hose to the air outlet and tighten it securely.
    - Ensure the air release valve is closed (tightened).
3. **Connect to Device:** Connect the compressor's fill hose to the air tank or device you intend to inflate.
4. **Pre-set Pressure (Optional):** If your model has a pre-set pressure function, set the desired pressure. The compressor will automatically stop when this pressure is reached.

4. Operating Instructions

Follow these steps to operate the compressor for inflation.



Image: The compressor displaying its LED temperature and pressure gauge, highlighting the auto-stop feature for maximum pressure (4500psi/300bar) and maximum temperature (85°C).

1. **Start Cooling Fan:** Turn on the compressor fan by pressing the fan switch (right side button). Allow the fan to run for approximately 2 minutes before starting the compressor pump.
   IMPORTANT: The fan must be running before the compressor pump. Failure to do so may cause damage or injury.
2. **Start Compressor:** Turn on the compressor pump using the compressor switch (left side button). The compressor will begin to inflate the connected device.
3. **Monitor Operation:** Observe the pressure gauge and LED temperature display. The compressor will automatically stop when the preset pressure is reached or if the temperature exceeds safe limits (Max. Temperature: 85°C).
4. **Stop Compressor:** Once the desired pressure is achieved, turn off the compressor pump (left side button).
5. **Continue Fan Operation:** Allow the cooling fan to continue running for approximately 2-3 minutes after the compressor pump has stopped to dissipate residual heat.
6. **Turn Off Fan:** Finally, turn off the cooling fan.

7. **Depressurize and Disconnect:** Slowly open the air release screw to depressurize the system. Once the pressure gauge reads zero, disconnect the fill hose from your tank or air cylinder.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your TUXING PCP Air Compressor.



Image: The compressor highlighting its 300W high-power fan, oil/water-free operation, and cotton filter, with close-ups of the oil water filter with 8mm quick connector and filter cotton.

- **Moisture-Oil Separator:** The compressor includes an extra moisture-oil separator. Regularly check and drain any accumulated moisture or oil from the separator to prevent contamination of your air tanks.
- **Filter Replacement:** The compressor uses a cotton filter. Inspect the filter regularly and replace it when it appears dirty or clogged to maintain air quality and compressor efficiency. Spare filters are included.
- **O-Ring Inspection:** Periodically check all O-rings and seals for wear or damage. Replace them as needed to prevent air leaks. Spare O-rings are included.

- **Cleaning:** Keep the exterior of the compressor clean and free from dust and debris. Ensure the cooling fan vents are unobstructed.
- **Storage:** Store the compressor in a dry, cool place, away from direct sunlight and extreme temperatures.

6. Troubleshooting

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

Problem	Possible Cause	Solution
Compressor does not start.	No power, blown fuse, power switch off.	Check power connections. Replace fuse if blown. Ensure both fan and compressor switches are on.
Compressor runs but no air output.	Air release valve open, hose not connected properly, internal blockage.	Ensure air release valve is closed. Check hose connections for leaks. Contact support if blockage is suspected.
Compressor overheats and shuts off.	Insufficient cooling, fan not running, prolonged operation.	Ensure fan is running and vents are clear. Allow compressor to cool down. Avoid continuous operation for extended periods.
Slow inflation speed.	Clogged filter, air leaks, low power supply.	Check and replace air filter. Inspect all connections for leaks. Ensure stable power supply.
Excessive moisture in air.	Moisture-oil separator needs draining or replacement.	Drain the moisture-oil separator. Replace filter elements if necessary.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact TUXING customer support.

7. Specifications

Detailed technical specifications for the TUXING Portable PCP Air Compressor TXES063.

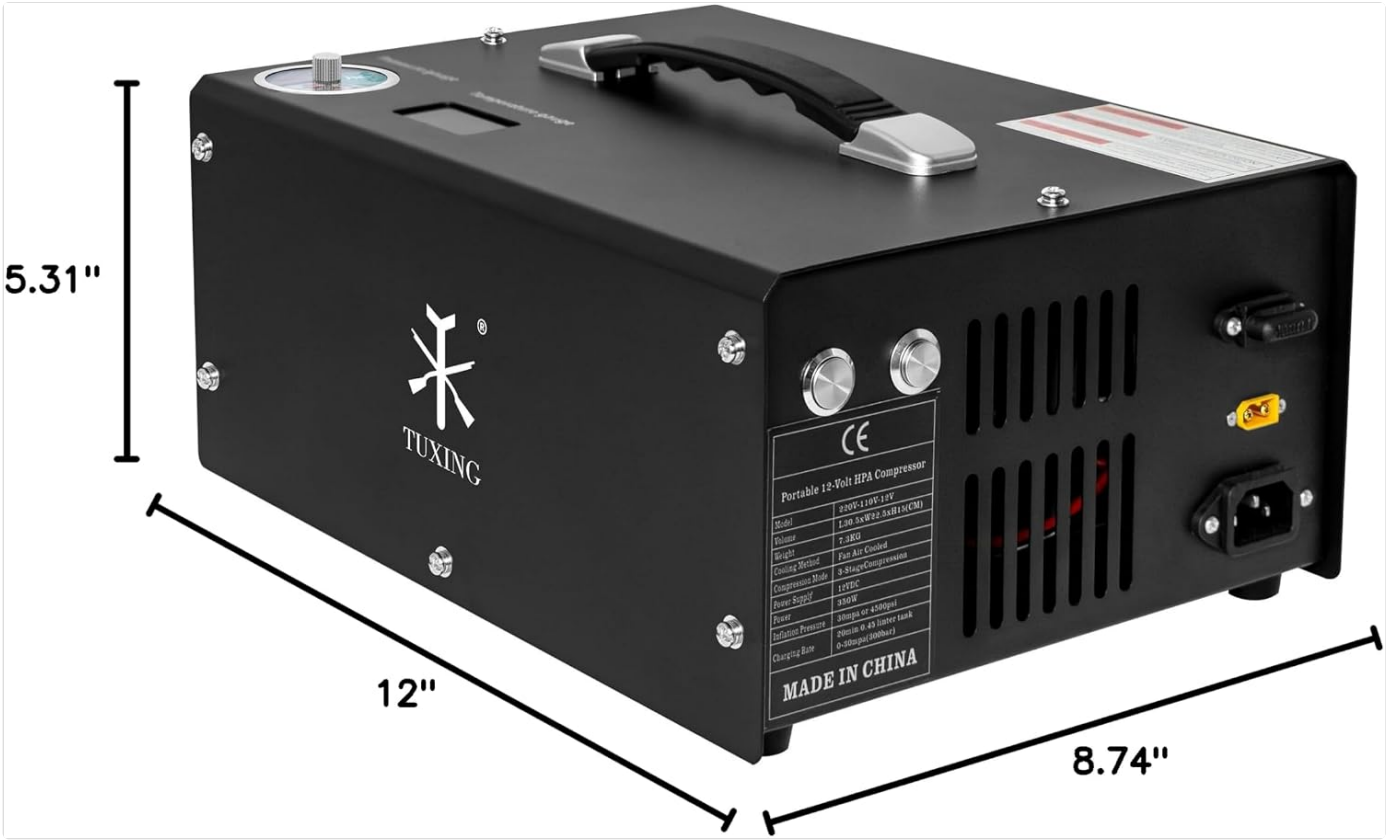


Image: A diagram illustrating the dimensions of the compressor: 12 inches (L) x 8.74 inches (W) x 5.31 inches (H).

Feature	Detail
Model Name	TXES063
Brand	TUXING
Maximum Pressure	4500 PSI / 300 Bar
Power Source	Corded Electric (110V AC or 12V DC)
Voltage	110 Volts (AC)
Maximum Power	350 Watts
Motor Horsepower	350 Watts
Inflation Speed	Up to 2700 r/min
Noise Level	75 dB
Item Weight	18.26 pounds (approx. 8.28 kg)
Product Dimensions (L x W x H)	12" x 8.74" x 5.31" (approx. 30.5cm x 22.2cm x 13.5cm)
Material	Stainless Steel
Color	Black
Hose Length	0.5 Mils
Tank Volume (for testing)	0.5 Liters
Special Features	Portable, Auto-Stop, Built-in Cooling Fan, Oil-Free, Water-Free

8. Warranty and Customer Support

TUXING provides comprehensive support for its products.

- **Warranty:** This product comes with a 1-year worry-free after-sale service.
- **Customer Support:** For any questions regarding purchase or use, please contact TUXING customer service. Our professional team is available 24/7 to assist you.



Image: Information regarding TUXING's 24/7 VIP Customer Support, including online service and contact details for inquiries.

You can typically find contact information on the official TUXING website or through your purchase platform (e.g., Amazon).

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