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VEVOR YD-127-6L

VEVOR 12V Heavy Duty Air Compressor with 6L Tank Kit

Model: YD-127-6L - Instruction Manual

Introduction

Thank you for choosing the VEVOR 12V Heavy Duty Air Compressor with 6L Tank Kit. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your air compressor. Please read this manual thoroughly before use and retain it for future reference.

Safety Information

Always observe basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury. Failure to follow these instructions may result in serious injury or property damage.

- **Read All Instructions:** Familiarize yourself with the product's operation and safety features before use.
- **Eye Protection:** Always wear ANSI-approved safety goggles when operating the air compressor.
- **Ventilation:** Operate the compressor in a well-ventilated area. Do not block air vents.
- **Electrical Connection:** Connect only to a 12V DC power source. Ensure battery clamps are securely attached to the correct terminals (red to positive, black to negative).
- **Pressure Limits:** Do not exceed the maximum operating pressure of 150 PSI for the compressor or the recommended pressure for the item being inflated.
- **Overheat Protection:** The compressor is equipped with an auto-thermal cut-off protection system. If the unit overheats, it will automatically shut down. Allow it to cool before resuming operation.
- **Keep Clear:** Keep children and bystanders away from the operating area.
- **Secure Placement:** Ensure the compressor is placed on a stable, level surface during operation to prevent tipping.

Package Contents

Verify that all items listed below are included in your package:

- 1 x Heavy Duty Air Compressor with 6L Tank

- 1 x Digital Tire Inflator with Pressure Gauge
- 1 x 6.5 ft Power Cord (with battery clamps)
- 1 x 26 ft Rubber Air Hose
- 3 x Nozzle Adapters
- 1 x Thumb Lock Adapter



Image: The VEVOR 12V Heavy Duty Air Compressor shown with its various accessories, including the digital tire inflator, air hose, and nozzle adapters.

Product Overview

The VEVOR 12V Heavy Duty Air Compressor is designed for rapid and efficient inflation of various tires and recreational equipment. It features a robust motor, a 6-liter air tank for stable pressure, and a digital tire inflator for precise control.



Image: A detailed view of the VEVOR 12V Heavy Duty Air Compressor, highlighting its main components including the compressor unit, 6-liter air tank, pressure gauge, and battery clamps.

Setup

Follow these steps for initial setup before operation:

1. **Position the Compressor:** Place the air compressor on a stable, level, and dry surface near the item to be inflated.
2. **Connect Air Hose:** Securely connect one end of the 26 ft rubber air hose to the air outlet port on the compressor.
3. **Attach Digital Inflator:** Connect the digital tire inflator with pressure gauge to the other end of the rubber air hose.

4. **Power Connection:** Connect the red battery clamp of the 6.5 ft power cord to the positive (+) terminal of your vehicle's 12V battery. Connect the black battery clamp to the negative (-) terminal. Ensure connections are firm.

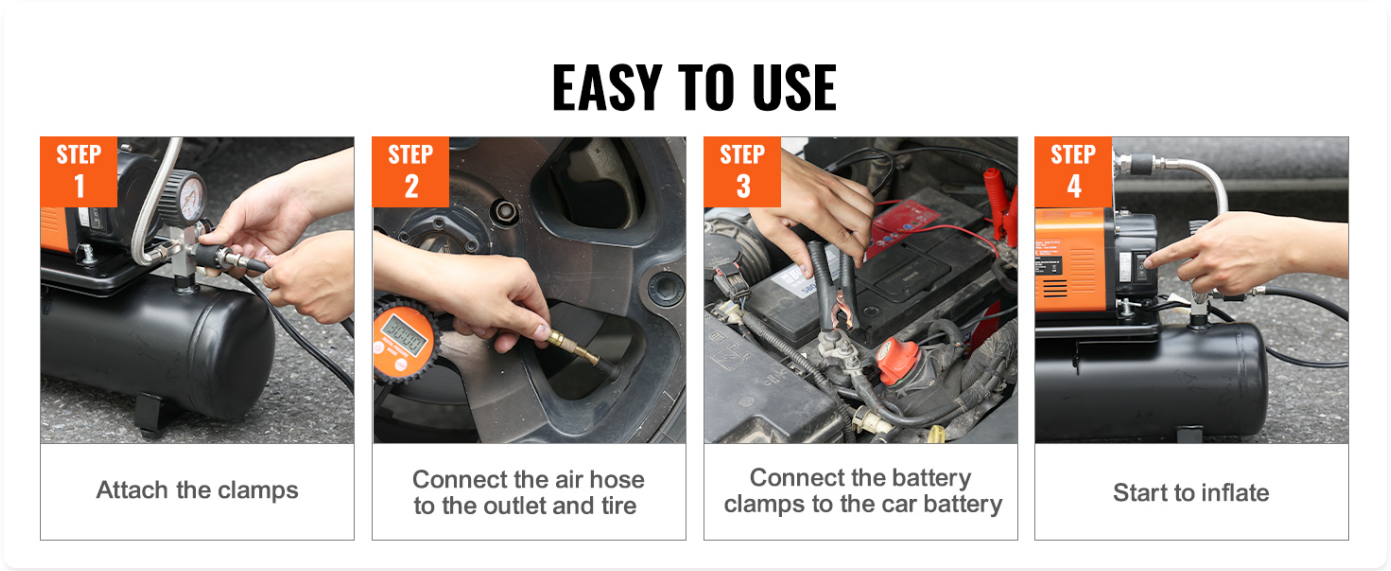


Image: A visual guide demonstrating the four steps for connecting the air compressor: attaching clamps, connecting the air hose, connecting battery clamps, and starting inflation.

Operation

Once the compressor is set up, follow these steps to inflate your tires or other items:

1. **Start Vehicle Engine:** For optimal performance and to prevent draining your vehicle's battery, it is recommended to start your vehicle's engine before operating the compressor.
2. **Attach to Valve Stem:** Securely attach the digital tire inflator's thumb lock adapter to the valve stem of the tire or item you wish to inflate. Ensure a tight seal to prevent air leakage.
3. **Read Current Pressure:** The digital gauge on the inflator will display the current pressure.
4. **Start Inflation:** Hold the inflator trigger to begin inflation. Release the trigger to stop.
5. **Monitor Pressure:** Continuously monitor the pressure reading on the digital gauge during inflation.
6. **Reach Desired Pressure:** Once the desired pressure is reached, release the trigger and disconnect the inflator from the valve stem. If you over-inflate, use the pressure release button on the digital inflator to reduce pressure.
7. **Disconnect Power:** After use, disconnect the battery clamps from your vehicle's battery terminals.



Image: A close-up shot showing a user operating the digital tire inflator with its clear pressure gauge display, attached to a tire valve for precise inflation.



Image: The VEVOR air compressor positioned next to a vehicle, actively inflating a tire, demonstrating its practical use.

Versatile Applications

The VEVOR air compressor is equipped with 3 nozzle adapters, making it suitable for a wide range of inflation needs:

- Cars, SUVs, Trucks, Vans, RVs
- Motorcycles, Bicycles
- Balls (e.g., basketballs, footballs)
- Inflatable toys and boats



Image: A collage illustrating the wide range of applications for the air compressor, including motorcycles, bicycles, off-road vehicles, RVs, ATVs, trucks, inflatable boats, and sports balls.

Maintenance

Proper maintenance ensures the longevity and reliable performance of your air compressor.

- **Cleaning:** Keep the compressor unit clean and free from dust, dirt, and debris. Use a dry cloth to wipe down surfaces.
- **Hose and Cord Inspection:** Before each use, inspect the air hose and power cord for any signs of cuts, cracks, or damage. Replace damaged components immediately.
- **Tank Drainage:** Periodically drain any condensation from the 6L air tank. A drain valve is located at the bottom of the tank for this purpose. This prevents rust and maintains tank integrity.
- **Storage:** Store the compressor in a dry, cool, and secure location, away from direct sunlight and extreme temperatures. The ergonomic handle facilitates easy transport and storage.



Image: A person carrying the VEVOR air compressor using its integrated ergonomic handle, demonstrating its portability and ease of handling for storage or transport.

Troubleshooting

If you encounter issues with your VEVOR air compressor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Compressor does not turn on	• Loose or incorrect battery connection • Vehicle battery low or dead • Thermal overload protection activated	• Check and secure battery clamps to correct terminals. • Ensure vehicle engine is running. • Allow compressor to cool down for 15-30 minutes.
Low airflow or pressure output	• Air leaks in hose or connections • Nozzle adapter not securely attached to valve stem • Clogged air filter (if applicable)	• Check all hose connections for tightness. • Ensure inflator is properly sealed on valve stem. • Inspect and clean/replace air filter if accessible.
Compressor overheats and shuts off	• Extended continuous operation • Insufficient ventilation	• This is normal operation for the auto-thermal cut-off. Allow the unit to cool down completely before restarting. • Ensure the compressor is in a well-ventilated area.

Specifications

Technical details for the VEVOR 12V Heavy Duty Air Compressor with 6L Tank Kit:

Feature	Detail
Model Name	12V Heavy Duty Air Compressor
Item Model Number	YD-127-6L
Brand	VEVOR
Voltage	12 Volts (DC)
Maximum Operating Pressure	150 PSI
Air Flow Capacity	6.35 CFM
Tank Volume	6 Liters
Hose Length	26 Feet
Power Cord Length	6.5 Feet
Item Weight	28.1 Pounds (12.75 kg)
Product Dimensions	19.29 x 5.91 x 15.75 inches (483 x 150 x 390 mm)

Feature	Detail
Special Feature	Digital, automatic shut-off in case of overheating
UPC	197988219668

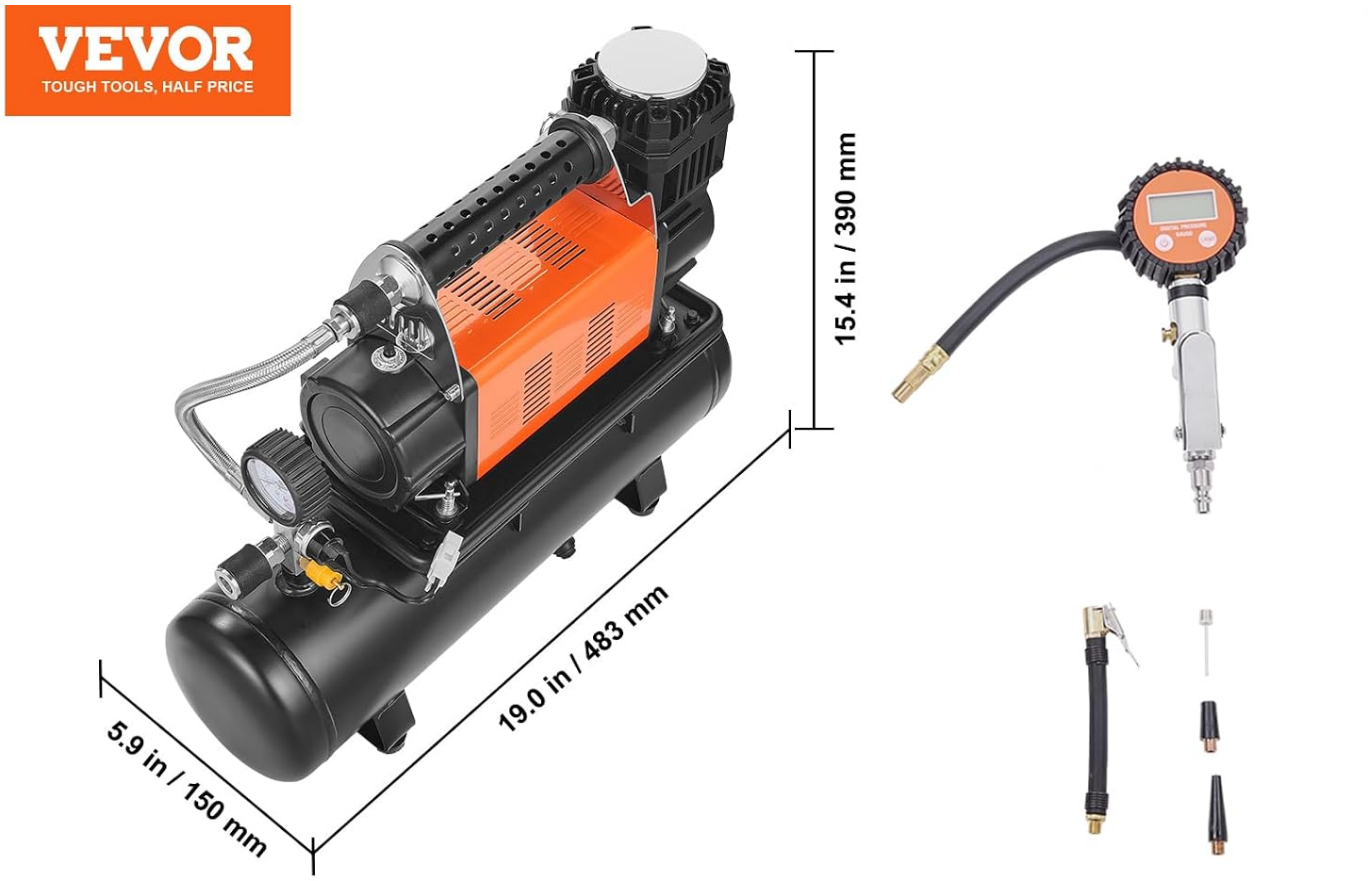


Image: A diagram illustrating the physical dimensions of the VEVOR air compressor and listing key specifications such as model number, maximum pressure, airflow, and included accessories.

Warranty and Support

For detailed warranty information, please refer to the official VEVOR website or contact VEVOR customer support directly. Keep your purchase receipt as proof of purchase for any warranty claims.

VEVOR Official Website: www.vevor.com

For further assistance, technical support, or inquiries, please contact VEVOR customer service through their official channels.

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