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WEN 56475

WEN 56475 4750-Watt Portable Generator

INSTRUCTION MANUAL

1. Product Overview

The WEN 56475 is a robust 4750-watt portable generator designed to provide reliable power for various applications, from home backup during outages to powering tools at job sites or charging devices at campgrounds. It features a powerful 223cc OHV engine and an electric start for convenient operation. This generator is CARB & EPAIII compliant, ensuring it meets stringent environmental standards.

Key Features:

- **223cc OHV Engine:** Delivers 4,750 surge watts and 3,750 rated watts.
- **Electric Start:** Allows for quick and easy startup with the press of a button.
- **Multiple Outlets:** Includes two 120V receptacles (standard household 5-20R), one 30-amp 3-prong receptacle (L5-30), and one 120V RV receptacle (TT-30R).
- **Digital Readout:** Assists in managing oil changes and maintenance schedules.
- **Safety Features:** Equipped with low-oil shutdown, automatic voltage regulator, and overload protection.
- **Portability:** Comes with a wheel kit and foldable handles for easy transport.
- **CARB & EPAIII Compliant:** Meets requirements for sale in all 50 states.

2. Safety Information

WARNING: Generators produce carbon monoxide, a colorless, odorless, poisonous gas. Using a generator indoors CAN KILL YOU IN MINUTES. Generator exhaust contains carbon monoxide. This is a Proposition 65 warning. ALWAYS use generators outdoors in a well-ventilated area, far away from windows, doors, and vents.

General Safety Guidelines:

- Read and understand the entire manual before operating the generator.
- Keep children and pets away from the generator during operation.
- Ensure the generator is placed on a level, stable surface.
- Do not operate the generator in rain or wet conditions.
- Allow the generator to cool completely before refueling.
- Use only fresh, clean gasoline. Do not use E85 or other ethanol blends not approved for this engine.
- Never overfill the fuel tank.

- Always disconnect the spark plug wire before performing any maintenance.
- Wear appropriate personal protective equipment (PPE) when operating or maintaining the generator.

3. Package Contents

Verify that all items are present in the packaging:

- WEN 56475 Portable Generator Unit
- Wheel Kit (Wheels, Axles, Hardware)
- Foldable Handles
- 12V Battery (for electric start)
- Engine Oil
- Funnel
- Spark Plug Wrench
- Owner's Manual

4. Assembly

Before operating your WEN 56475 generator, some assembly is required. Follow these steps carefully:

1. **Attach the Wheel Kit:**
   Secure the wheels to the generator frame using the provided axles and hardware. Ensure they are firmly attached for stability and ease of movement.



Image: Close-up of the generator's wheel assembly.

2. **Install the Foldable Handles:**
   Attach the foldable handles to the designated points on the generator frame. These handles enhance portability and can be folded down for compact storage.
3. **Connect the Battery:**
   Locate the 12V battery and connect the negative terminal. The battery powers the electric start feature. Refer to the control panel area for battery location and connection points.



Image: Front view of the generator, highlighting the control panel and battery.

4. **Add Engine Oil:**
   Using the provided funnel, carefully add the included engine oil to the generator's crankcase. Do not overfill. Check the oil level with the dipstick before each use.

5. Operation

Your WEN 56475 generator is designed for ease of use. Follow these steps for safe and effective operation:

1. **Fueling the Generator:**
   Ensure the generator is turned OFF and cool. Fill the 4-gallon fuel tank with fresh, clean gasoline. Do not use old or contaminated fuel. The fuel gauge on top of the tank indicates the fuel level.
2. **Starting the Generator (Electric Start):**
   a. Ensure the generator is on a level surface outdoors, away from any structures.
   b. Turn the fuel valve to the 'ON' position.
   c. Turn the engine switch to the 'START' position. The electric start will engage.
   d. Once the engine starts, release the switch. Allow the engine to warm up for a few minutes before connecting any loads.



Image: Detailed view of the generator's control panel, showing the engine switch and various outlets.



Image: The WEN 56475 Portable Generator in its entirety.

3. **Connecting Electrical Loads:**
   Plug your appliances or tools into the appropriate outlets on the control panel. Do not exceed the generator's rated wattage (3750W running, 4750W peak). The automatic voltage regulator helps protect your electronics.
4. **Stopping the Generator:**
   a. Disconnect all electrical loads.
   b. Turn the engine switch to the 'OFF' position.
   c. Turn the fuel valve to the 'OFF' position to prevent fuel from flowing to the carburetor during storage.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your WEN 56475 generator. Always ensure the generator is OFF and cool before performing any maintenance.

- **Oil Changes:** The digital readout helps manage oil changes. Change the engine oil after the first 20 hours of operation, and then every 50-100 hours or annually, whichever comes first. Use the recommended oil type and viscosity.
- **Air Filter:** Inspect the air filter regularly and clean or replace it as needed, especially in dusty conditions.
- **Spark Plug:** Check the spark plug annually. Clean or replace it if it's fouled or worn.
- **Spark Arrestor:** The generator includes a spark arrestor, which is crucial for operation in national parks or forests. Clean the spark arrestor screen periodically to prevent carbon buildup.



Image: Close-up view of the generator's 223cc OHV engine.

- **Storage:** For extended storage, drain the fuel tank and carburetor, or add a fuel stabilizer. Store the generator in a clean, dry place.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Engine will not start	No fuel; Low oil level; Spark plug issue; Choke not set correctly; Battery not connected (for electric start)	Add fuel; Add oil; Check/clean/replace spark plug; Adjust choke; Connect battery terminal.
No power output	Circuit breaker tripped; Overload; Loose connections	Reset circuit breaker; Reduce load; Check connections.
Engine runs rough	Stale fuel; Clogged air filter; Dirty spark plug	Drain and replace fuel; Clean/replace air filter; Clean/replace spark plug.
Low oil shutdown activates	Low oil level	Add engine oil to the correct level.

8. Specifications

Detailed technical specifications for the WEN 56475 Portable Generator:

Specification	Value
Model Number	56475
Brand	WEN
Engine Type	223cc OHV 4-Stroke
Starting Wattage	4750 Watts

Specification	Value
Running Wattage	3750 Watts
Fuel Type	Gasoline
Fuel Tank Capacity	4 Gallons
Run Time (at half load)	Up to 10 hours
Voltage	120 Volts
Frequency	60 Hz
Outlets	2x 120V 5-20R, 1x 30A L5-30, 1x 120V RV TT-30R
Starting System	Electric Start
Item Weight	112.5 Pounds
Product Dimensions (L x W x H)	26.6" x 17.1" x 17.3"

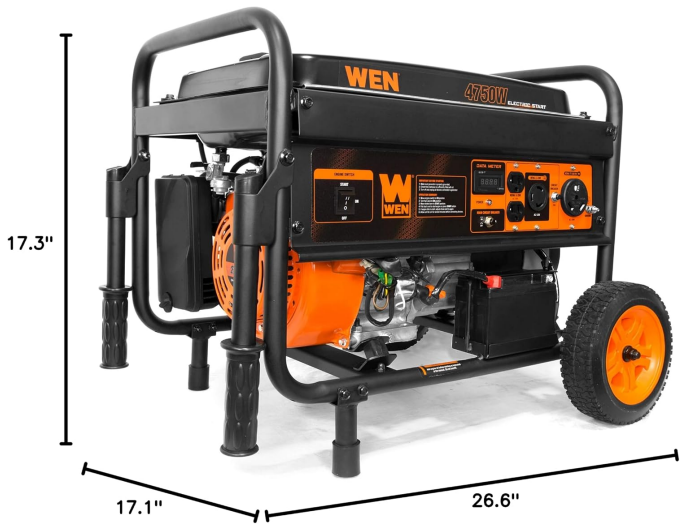

Image: Generator dimensions for planning and storage.

9. Warranty and Support

The WEN 56475 Portable Generator is backed by a **2-year warranty**. For warranty claims, technical assistance, or to locate a service center, please contact WEN customer support. WEN provides support from service technicians and has a nationwide service network with over 1000 locations.
For further assistance, please refer to the official WEN website or contact their customer service line.

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