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WEN DF8000X

WEN DF8000X 8000-Watt Dual Fuel Portable Generator User Manual

MODEL: DF8000X

Introduction

This manual provides essential information for the safe and efficient operation of your WEN DF8000X 8000-Watt Dual Fuel Portable Generator. Please read and understand all instructions and safety precautions before operating the generator. Proper use and maintenance will ensure long-lasting performance and reliability.

Safety Information

WARNING: Carbon Monoxide Hazard

Generators produce carbon monoxide (CO), a colorless, odorless, poisonous gas. Operating a generator indoors or in partially enclosed spaces can cause serious injury or death. ALWAYS operate the generator outdoors in a well-ventilated area, far away from windows, doors, and vents.

Your WEN DF8000X generator is equipped with a CO Watchdog Shutdown Sensor. This sensor is designed to automatically shut down the generator if dangerous levels of carbon monoxide are detected. While this feature enhances safety, it is not a substitute for proper ventilation and safe operating practices. Always use a battery-operated CO alarm in your home or RV when operating a generator nearby.

General Safety Precautions:

- Read the entire manual before operation.
- Keep children and pets away from the generator.
- Do not operate the generator in rain or wet conditions.
- Ensure proper grounding of the generator.
- Never refuel a hot or running engine. Allow the generator to cool before adding fuel.
- Store fuel in approved containers in a well-ventilated area, away from ignition sources.
- Do not overload the generator.
- Wear appropriate personal protective equipment (PPE) when operating or maintaining the generator.

Components Overview

Familiarize yourself with the main components of your WEN DF8000X generator:



Image: WEN DF8000X Dual Fuel Portable Generator, highlighting the CO Watchdog sensor and dual fuel capability. This image shows the overall structure of the generator with its protective frame and wheels.

- **Control Panel:** Contains outlets, switches, data meter, and circuit breakers.
- **Engine:** 340cc 4-stroke engine.
- **Fuel Tank (Gasoline):** 6.7-gallon capacity.
- **Propane Inlet:** Connection point for an external propane tank.
- **Electric Start:** Key switch for easy starting.
- **Recoil Start:** Manual pull-start as a backup.
- **Wheels and Handle Kit:** For portability.
- **CO Watchdog Sensor:** Safety feature to detect carbon monoxide.



Image: Close-up view of the WEN DF8000X generator control panel, showing the data meter, outlets (120V 5-20R, 120V 30-amp TT-30R RV, 120V/240V 30-amp NEMA L14-30R), DC 12V receptacle, circuit breakers, and fuel selector switch.

Setup

Before first use, perform the following steps:

1. Unpacking and Assembly:

- Remove the generator and all components from the packaging.
- Attach the wheels and support legs using the provided hardware.
- Install the handle kit.

2. Add Engine Oil:

- Locate the oil fill cap/dipstick.
- Add the recommended amount and type of engine oil (typically 10W-30, refer to the oil capacity in specifications). Do not overfill.
- The generator ships without oil. Ensure oil is added before starting.

3. Connect Battery:

- Connect the positive (+) battery cable (red) to the positive terminal on the battery.
- Connect the negative (-) battery cable (black) to the negative terminal on the battery.
- Ensure connections are secure.

4. Fueling:

- **Gasoline:** Ensure the generator is off and cool. Fill the gasoline tank with fresh, unleaded gasoline (minimum 87 octane). Do not overfill.
- **Propane:** Connect a standard propane tank (not included) to the generator's propane inlet using a suitable hose and regulator (often included). Ensure all connections are tight to prevent leaks.

Operating the Generator

Follow these steps to safely start and operate your generator:

1. Pre-Start Checklist:

- Ensure the generator is on a level surface, outdoors, and away from any structures.
- Check engine oil level.
- Ensure sufficient fuel (gasoline or propane).
- Make sure all circuit breakers on the control panel are in the "OFF" position.
- Disconnect all electrical loads from the generator outlets.

2. Starting on Gasoline (Electric Start):

- Turn the fuel valve to the "ON" position.
- Set the fuel selector switch on the control panel to "GAS".
- If the engine is cold, move the choke lever to the "CHOKE" position.
- Insert the key into the ignition switch and turn it to the "START" position. Release once the engine starts.
- Once the engine runs smoothly, gradually move the choke lever to the "RUN" position.

3. Starting on Propane (Electric Start):

- Ensure the propane tank is connected and the valve on the tank is open.
- Set the fuel selector switch on the control panel to "LPG".
- If the engine is cold, move the choke lever to the "CHOKE" position.
- Insert the key into the ignition switch and turn it to the "START" position. Release once the engine starts.
- Once the engine runs smoothly, gradually move the choke lever to the "RUN" position.

4. Connecting Electrical Loads:

- Allow the generator to run for a few minutes to stabilize.
- Flip the circuit breakers on the control panel to the "ON" position.
- Plug in your appliances or extension cords. Do not exceed the generator's rated wattage.

5. Stopping the Generator:

- Disconnect all electrical loads from the outlets.
- Turn the circuit breakers to the "OFF" position.
- If running on gasoline, turn the fuel valve to the "OFF" position and allow the engine to run until it runs out of fuel (this helps prevent carburetor issues).
- If running on propane, close the valve on the propane tank.
- Turn the ignition key to the "OFF" position.

Maintenance

Regular maintenance is crucial for the longevity and safe operation of your generator. Always ensure the generator is off and cool before performing any maintenance.

• Engine Oil Change:

- Change the engine oil after the first 20-25 hours of operation, then every 50 hours or annually,

whichever comes first. For heavy use, more frequent changes (e.g., every 24 hours) are recommended.

- Drain old oil when the engine is warm. Refill with the recommended oil type and amount.

- **Air Filter:**

- Inspect the air filter every 50 hours or every 3 months.
- Clean or replace the air filter element if it is dirty or damaged.

- **Spark Plug:**

- Inspect the spark plug every 100 hours or every 6 months.
- Clean or replace the spark plug as needed. Ensure proper gap setting.

- **Fuel System:**

- Regularly check fuel lines and connections for leaks or damage.
- If storing the generator for an extended period, drain the gasoline or use a fuel stabilizer to prevent fuel degradation.

- **General Cleaning:**

- Keep the generator clean and free of debris.
- Ensure cooling fins are clear for proper heat dissipation.

Troubleshooting

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

Problem	Possible Cause	Solution
Engine will not start	No fuel, low oil, choke incorrect, spark plug issue, battery dead (electric start)	Add fuel, check oil level, adjust choke, inspect/replace spark plug, charge/check battery.
No power output	Circuit breaker tripped, overloaded, faulty cord/appliance	Reset circuit breaker, reduce load, check cords/appliances, consult technician.
Engine runs rough	Stale fuel, dirty air filter, spark plug issue	Drain/replace fuel, clean/replace air filter, inspect/replace spark plug.
CO Watchdog sensor shuts down generator	High carbon monoxide levels detected	Move generator to a more open, well-ventilated area. Ensure no exhaust is directed towards occupied spaces. Allow to cool before restarting.

Specifications

Key technical specifications for the WEN DF8000X generator:

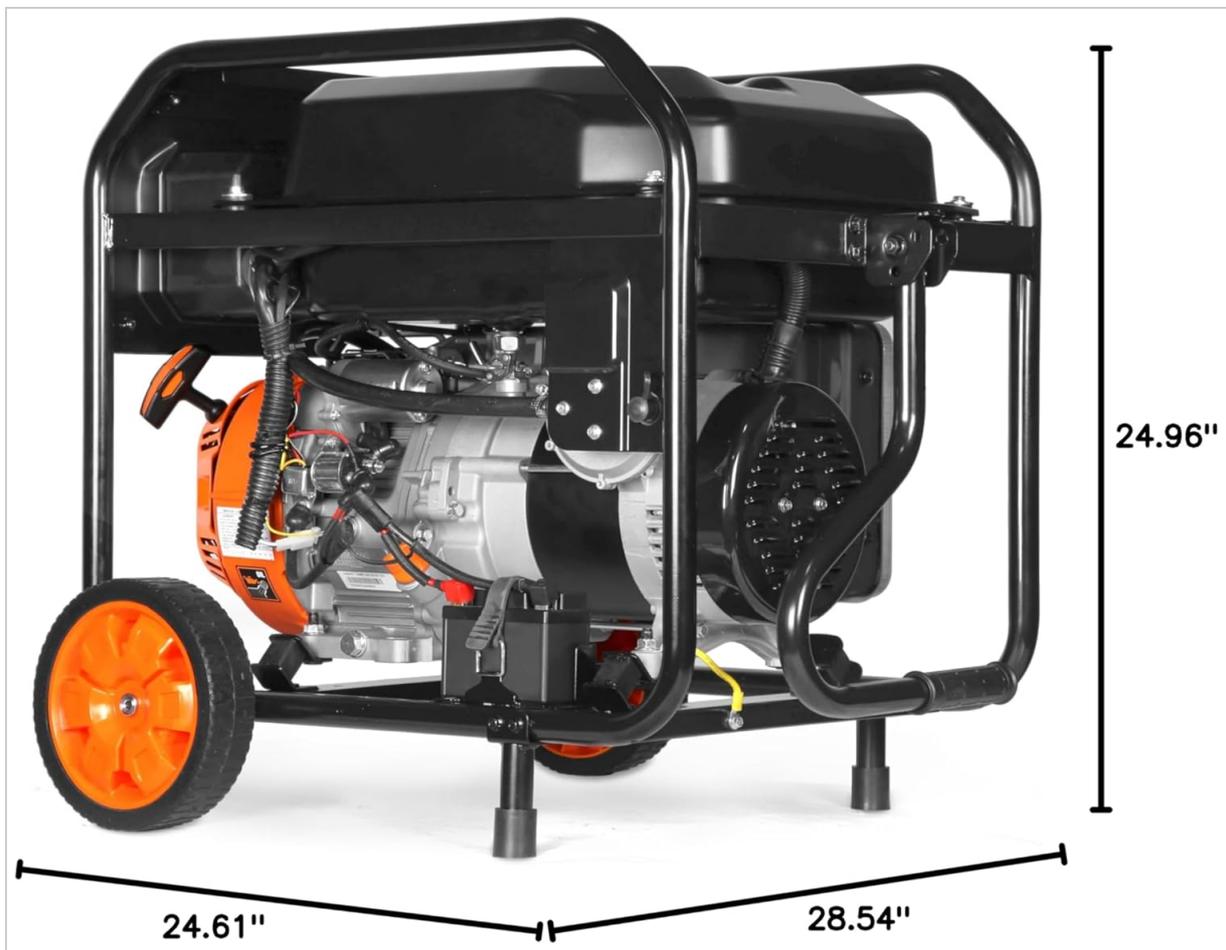


Image: Diagram showing the dimensions of the WEN DF8000X generator: 28.54 inches (L) x 24.61 inches (W) x 24.96 inches (H).

Feature	Detail
Brand	WEN
Model Name	8000-Watt 120V/240V Dual Fuel Portable Generator
Item Model Number	DF8000X
Fuel Type	Gasoline, Propane (Dual Fuel)
Starting Wattage (Gasoline)	8000 Watts
Running Wattage (Gasoline)	6500 Watts
Surge Wattage (Propane)	7200 Watts
Rated Wattage (Propane)	5850 Watts
Engine Type	340cc, 4 Stroke
Gasoline Tank Volume	6.7 Gallons

Feature	Detail
Run Time (Half-Load, Gasoline)	Up to 10.5 hours
Voltage	120V/240V
Outlets	Four 120V 5-20R, One 120V 30-amp TT-30R (RV-Ready), One 120V/240V 30-amp NEMA L14-30R (Twist Lock), One DC 12V
Special Feature	CO Watchdog Sensor, Electric Start
Product Dimensions (L x W x H)	28.54" x 24.61" x 24.96"
Item Weight	149.7 pounds

Helpful Videos

The following videos provide additional visual guidance for your WEN DF8000X generator:

Your browser does not support the video tag.

Video: General overview or setup guide for the WEN DF8000X Dual Fuel Portable Generator. This video demonstrates key features and initial steps.

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Video: Demonstration of a specific feature or operational aspect of the WEN DF8000X generator. This video provides visual instructions for a particular function.

Your browser does not support the video tag.

Video: Detailed guide on another aspect of using or maintaining the WEN DF8000X generator. This video offers further visual assistance for users.

Warranty and Support

Your WEN DF8000X generator comes with a three-year limited warranty. For warranty claims, technical assistance, or to locate authorized service centers, please contact WEN customer support.

WEN Customer Support: Refer to the official WEN website or the contact information provided with your product for the most up-to-date support details.

You can also visit the [WEN Store on Amazon](#) for more product information and accessories.