

WEN DF1100T

WEN DF1100T 11,000-Watt Dual Fuel Portable Generator

Instruction Manual

Model: DF1100T | Brand: WEN

1. INTRODUCTION AND OVERVIEW

The WEN DF1100T 11,000-Watt Dual Fuel Portable Generator is designed to provide reliable power using either gasoline or liquid propane gas (LPG). This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your generator. Please read this manual thoroughly before operating the unit.



Figure 1: WEN DF1100T Dual Fuel Portable Generator, showcasing its robust frame and control panel.

2. SAFETY INFORMATION

Always prioritize safety when operating any power equipment. Generators produce carbon monoxide, a colorless and odorless gas that can be fatal. Operate the generator outdoors only, far away from windows, doors, and vents. Ensure proper grounding to prevent electrical shock.

- **Carbon Monoxide Hazard:** Operate outdoors only.
- **Electrical Shock Hazard:** Ensure proper grounding. Do not operate in wet conditions.
- **Fire Hazard:** Fuel is highly flammable. Do not refuel while the engine is running or hot.
- **Hot Surfaces:** Engine and muffler become extremely hot during operation. Avoid contact.
- **Read Manual:** Always read and understand the entire owner's manual before operation.

3. PACKAGE CONTENTS

Upon unpacking, verify that all the following items are included:

- WEN DF1100T Dual Fuel Portable Generator
- Wheel and Handle Kit (for easy transportation)
- 47-inch LPG Connection Hose
- Bottle of Engine Oil (SAE 10W-30 recommended)
- Spark Plug Wrench

- Owner's Manual

4. SETUP

Follow these steps to prepare your generator for first use:

1. **Attach Wheels and Handles:** Securely fasten the wheels and handles using the provided hardware. This kit enhances portability for the 214-pound unit.
2. **Add Engine Oil:** The engine is shipped without oil. Fill the engine with the provided SAE 10W-30 oil to the recommended level. Do not overfill.
3. **Connect Battery:** Ensure the electric start battery is properly connected.
4. **Ground the Generator:** Connect a grounding wire from the generator's grounding terminal to an appropriate ground source.



Figure 2: Close-up of the generator's durable wheels, part of the included wheel and handle kit for easy transport.

5. OPERATING INSTRUCTIONS

Your WEN DF1100T generator offers flexible operation with dual fuel capability and electric start.

5.1 Fuel Selection

The generator can run on either gasoline or propane. Select your preferred fuel type using the fuel switch on the control panel.

- **Gasoline:** Fill the 6.6-gallon fuel tank with fresh, unleaded gasoline.
- **Propane:** Connect the 47-inch LPG hose to a propane tank and to the generator's propane inlet.

5.2 Starting Procedure (Electric Start)

1. Ensure the generator is on a level, outdoor surface.
2. Turn the fuel switch to the desired fuel source (Gasoline or Propane).
3. Turn the engine switch to the 'ON' position.
4. Insert the key into the ignition and turn to 'START'. The engine will crank and start.
5. Once the engine starts, release the key.

5.3 Voltage and Outlets

The control panel features various outlets and a voltage selector switch.

- **Voltage Selector:** Switch between 120V and 240V output as needed. Disconnect electrical load before switching.
- **120V GFCI Outlets (5-20R):** Four outlets for standard household appliances.
- **120V 30A Twist Lock Outlet (L5-30R):** For higher amperage 120V devices.
- **120V/240V 50A Outlet (NEMA 14-50R):** For heavy-duty appliances or transfer switch connections.
- **12V DC Cigarette-Lighter-Style Plug:** For charging small devices or automotive accessories.



Figure 3: Detailed view of the control panel, showing the fuel switch, electric start, voltage selector, and various power outlets.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your generator.

- **Oil Changes:** Check oil level before each use. Change engine oil after the first 20 hours of operation, then every 50 hours or annually, whichever comes first.
- **Air Filter:** Inspect and clean the air filter regularly. Replace if damaged.
- **Spark Plug:** Inspect and clean the spark plug every 100 hours. Replace if worn.
- **Fuel System:** Regularly check fuel lines and connections for leaks or damage.
- **Storage:** For extended storage, drain the gasoline tank and carburetor. Disconnect the propane tank.



Figure 4: View of the 457cc 4-stroke OHV engine, highlighting key components for maintenance checks.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

- **Engine Will Not Start:**
 - Check fuel level (gasoline or propane).
 - Ensure engine switch is 'ON' and key is turned to 'START'.
 - Verify spark plug connection and condition.
 - Check oil level; low oil shutdown may be active.
- **No Power Output:**
 - Check AC circuit breakers on the control panel.
 - Ensure voltage selector is set correctly (120V or 240V).
 - Verify that the generator is running at proper RPM.
- **Engine Runs Rough:**

- Check fuel quality and ensure no contaminants.
- Inspect air filter for clogs.
- Check spark plug for fouling.

8. SPECIFICATIONS

Specification	Value
Model	DF1100T
Brand	WEN
Engine Type	457cc 4-Stroke OHV
Fuel Type	Dual Fuel (Gasoline, Propane)
Gasoline Surge Watts	11,000 W
Gasoline Running Watts	8,300 W
Propane Surge Watts	9,500 W
Propane Running Watts	7,500 W
Voltage	120V / 240V
Fuel Tank Capacity	6.6 Gallons
Half-Load Run Time (Gas)	8.5 Hours
Item Weight	214 Pounds
Product Dimensions (L x W x H)	27.3" x 20.6" x 21.9"









Figure 5: Generator dimensions for placement and storage planning.

9. WARRANTY AND SUPPORT

The WEN DF1100T generator comes with a **two-year warranty**. For technical assistance, service, or warranty claims, please contact WEN customer support. Refer to your owner's manual for detailed warranty information and contact methods.

Related Documents - DF1100T

	<p>WEN DF680iX 6800-Watt Dual Fuel Inverter Generator Instruction Manual</p> <p>Comprehensive instruction manual for the WEN DF680iX 6800-Watt Dual Fuel Inverter Generator. Covers safety, setup, operation, maintenance, and troubleshooting. Visit WENPRODUCTS.COM for more information.</p>
	<p>WEN DF480iX 4800-Watt Dual Fuel Inverter Generator Instruction Manual</p> <p>This manual provides essential information for the safe operation, maintenance, and troubleshooting of the WEN DF480iX 4800-Watt Dual Fuel Inverter Generator. Learn about safety features, specifications, and how to get the most out of your generator.</p>

	<p>WEN DF680iX 6800-Watt Dual Fuel Inverter Generator Instruction Manual</p> <p>Comprehensive instruction manual for the WEN DF680iX 6800-Watt Dual Fuel Inverter Generator, covering safety, operation, maintenance, and specifications.</p>
	<p>WEN DF680iX 6800-Watt Dual Fuel Inverter Generator Instruction Manual</p> <p>This manual provides comprehensive instructions for the WEN DF680iX 6800-Watt Dual Fuel Inverter Generator, covering safety, operation, maintenance, and troubleshooting. Learn how to safely set up, use, and maintain your generator for optimal performance and longevity.</p>
	<p>WEN DF680iX 6800-Watt Dual Fuel Inverter Generator Instruction Manual</p> <p>This comprehensive instruction manual for the WEN DF680iX 6800-Watt Dual Fuel Inverter Generator provides essential information on safe operation, preparation, usage, maintenance, and troubleshooting. Learn how to maximize the lifespan and performance of your generator.</p>
	<p>WEN DF480iX 4800-Watt Dual Fuel Inverter Generator: User Manual & Safety Guide</p> <p>This instruction manual provides essential information for the WEN DF480iX 4800-Watt Dual Fuel Inverter Generator, covering setup, operation, maintenance, and safety guidelines for reliable power generation.</p>