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WEN GN875i

WEN GN875i 8750-Watt Electric Start Open Frame Inverter Generator User Manual

Model: GN875i

Introduction

The WEN GN875i RV/Transfer-Switch-Ready 8750-Watt Electric Start Open Frame Inverter Generator is designed to provide reliable power for various applications, including home backup during outages and recreational vehicle use. This unit features a 420cc 4-stroke OHV engine, delivering 8750 surge watts and 7000 rated watts. Its inverter technology ensures clean power, making it safe for sensitive electronics. The generator is equipped with an electric start, a 4.2-gallon fuel tank for extended run times, and a comprehensive control panel with multiple outlets.



Figure 1: The WEN GN875i generator, an open-frame inverter model designed for reliable power.

Safety Information

Always read and understand the complete safety instructions in the official product manual before operating the generator. Key safety considerations include:

- **Carbon Monoxide Hazard:** Never operate the generator indoors or in partially enclosed areas. Generators produce carbon monoxide, an odorless, colorless, and deadly gas.
- **Electrical Shock Hazard:** Do not operate the generator in wet conditions. Ensure all connections are secure and dry.
- **Fire Hazard:** Fuel is highly flammable. Refuel in a well-ventilated area with the engine off and cool. Do not smoke near the generator.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for some time after shutdown. Avoid contact.
- **Proper Grounding:** Always ensure the generator is properly grounded before use to prevent electrical shock.

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

Setup

Before first use, assembly and initial preparation are required. This includes attaching the wheel and handle kit, adding oil, and connecting the battery for electric start.

1. Unpacking and Assembly

- Carefully remove the generator from its packaging.
- Attach the included wheel and handle kit for easy transport. The lightweight design (30% less than traditional 8750-watt generators) combined with the wheels and handle facilitates movement.

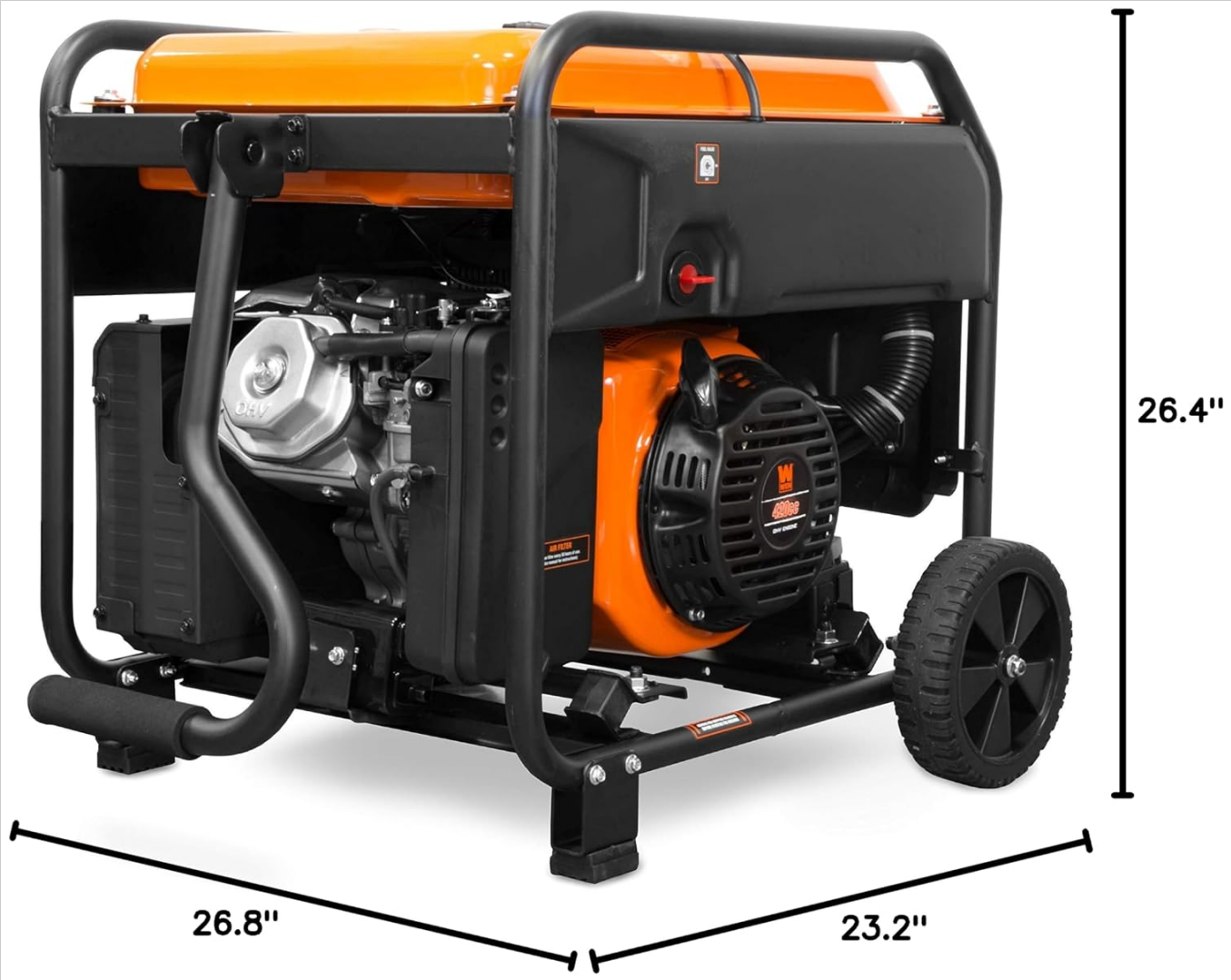


Figure 2: WEN GN875i Generator with dimensions (26.8"L x 26.4"W x 23.2"H) and wheel kit for portability.

2. Adding Engine Oil

- Ensure the generator is on a level surface.
- Remove the oil fill cap/dipstick.
- Add the recommended engine oil (e.g., 5W-30 Synthetic as suggested by users) to the crankcase until it reaches the upper mark on the dipstick. The 420cc engine requires proper lubrication.
- Replace the oil fill cap/dipstick securely.

3. Connecting the Battery (for Electric Start)

- Locate the battery compartment.
- Connect the battery terminals, ensuring correct polarity (red to positive, black to negative). Some units may have a plug that needs to be connected.

Operating Instructions

The WEN GN875i generator supports both gasoline and propane operation. Always follow the quick start guide provided with the unit or refer to the full manual for detailed instructions.

Starting Up (Gasoline Operation)

1. Check oil level and fill as needed.
2. Check gasoline level and fill the 4.2-gallon tank as needed.
3. Disconnect all electrical devices from the outlets.
4. Turn the fuel selection dial to "GASOLINE".
5. Turn the fuel valve to the "ON" position.
6. Turn the choke to the "CLOSE" position.
7. Turn the engine switch to "START" for 2-3 seconds.
8. Slowly turn the choke to the "OPEN" position once the engine starts.
9. Connect electrical devices to the appropriate outlets (two 120V NEMA 5-20R, one 120V/240V NEMA L14-30R, one 120V RV-ready TT-30R, two 5V USB ports).



Figure 3: The control panel features various outlets, engine switch, and eco-mode switch.

Starting Up (LPG Operation)

The process for LPG operation is similar to gasoline, with specific steps for connecting the LPG cable and selecting the LPG fuel option. Refer to the quick start guide for detailed LPG instructions.

Eco-Mode

Engage the eco-mode switch to maximize fuel economy and runtime. This feature allows the generator's engine to automatically adjust its fuel consumption based on the load, reducing noise and fuel usage when less power is required.

Shutting Down

1. Turn off and unplug all electrical devices.
2. Turn the engine switch to the "OFF" position.
3. Turn the fuel valve to the "OFF" position.

Maintenance

Regular maintenance is crucial for the longevity and optimal performance of your WEN GN875i generator. Always ensure the generator is off and cool before performing any maintenance.

- **Oil Changes:** Perform initial oil change after the first 8 hours of operation (break-in period), and then every 50 hours or annually, whichever comes first. Users recommend using a magnetic oil dipstick during break-in to collect fine metal particles.
- **Air Filter:** Inspect and clean the air filter regularly. Replace if damaged.
- **Spark Plug:** Inspect and clean the spark plug periodically. Replace if worn or fouled.
- **Fuel System:** If storing the generator for an extended period, drain the fuel tank and carburetor to prevent fuel degradation issues.
- **General Cleaning:** Keep the generator clean and free of debris.

Troubleshooting

This section addresses common issues you might encounter with your generator. For more complex problems, consult the full user manual or contact WEN customer support.

Problem	Possible Cause	Solution
Generator does not start.	Low oil level, no fuel, fuel valve off, choke incorrect, battery not connected (electric start).	Check oil and fuel levels. Ensure fuel valve is ON. Adjust choke. Connect battery.
No power output from 120V GFCI outlets.	GFCI needs to be reset.	Press the reset (upper) button located between the GFCI outlets. Test GFCI monthly.
Engine stalls under load.	Overload, low fuel, stale fuel, dirty air filter.	Reduce load. Check fuel. Clean/replace air filter.
Excessive noise.	Normal operation for open frame generators, or loose components.	Ensure all components are secure. Consider placement away from living areas.

Specifications

Feature	Detail
Brand	WEN
Model Name	8750-Watt RV/Transfer-Switch-Ready Electric Start Open Frame Inverter Generator
Model Number	GN875i
Engine Type	420cc 4-stroke OHV
Starting Wattage	8750 Watts
Running Wattage	7000 Watts
Fuel Type	Gasoline, Propane (Dual Fuel)
Tank Volume	4.2 Gallons
Runtime (Half-Load)	Up to 6.7 hours
Voltage	120V / 240V
Frequency	60 Hz
Outlets	Two 120V NEMA 5-20R, Two 5V USB, One 120V/240V NEMA L14-30R, One 120V RV-ready TT-30R
Special Feature	Electric Start, Eco-Mode, Inverter Technology
Product Dimensions	26.8"L x 26.4"W x 23.2"H
Item Weight	146.7 pounds (with wheel kit)
Included Components	Wheel and handle kit
UPC	044459875000

Warranty and Support

The WEN GN875i Open Frame Inverter Generator is backed by a two-year warranty. WEN provides a nationwide network of skilled service technicians and a friendly customer help line for support. For assistance, please refer to the contact information provided in your official product documentation or visit the WEN website.
Official User Guide (PDF): Download Here

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