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## Firman W03082

# FIRMAN Inverter Portable Generator User Manual

Model: W03082

## INTRODUCTION

This manual provides essential information for the safe and efficient operation and maintenance of your FIRMAN W03082 Inverter Portable Generator. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage.

The FIRMAN W03082 is a reliable, quiet, and portable inverter generator designed for various power needs, including camping, tailgating, and emergency backup. It features a 171cc engine and provides 3300 starting watts and 3000 running watts.



Image: Front view of the FIRMAN W03082 Inverter Portable Generator, highlighting its control panel with various outlets and indicators.

## SAFETY INFORMATION

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Always operate the generator in a well-ventilated area to prevent carbon monoxide poisoning. Do not operate indoors. Keep children and pets away from the generator during operation. Ensure the generator is placed on a level surface. Refer to all warning labels on the generator itself for additional safety precautions.

## SETUP AND INITIAL PREPARATION

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Before first use, certain preparations are necessary to ensure safe and proper operation.

### 1. Unpacking and Inspection

- Carefully remove the generator and all components from the packaging.
- Inspect for any shipping damage. If damage is found, contact customer support immediately.
- Verify all included accessories are present.

# INCLUDED



Image: A visual representation of the accessories included with the generator, such as a charger cable, battery float, oil funnel, engine oil, tool kit, and battery.

## 2. Adding Engine Oil

The generator is shipped without engine oil. It is crucial to add the correct type and amount of oil before starting.

- Place the generator on a level surface.
- Remove the oil fill cap/dipstick.
- Using the provided oil funnel, slowly add the recommended engine oil (refer to specifications for type and capacity).
- Do not overfill. Reinstall the oil fill cap/dipstick securely.

## 3. Adding Fuel

Use fresh, unleaded gasoline with an octane rating of 87 or higher. Do not use E85 or any other fuel type.

- Ensure the generator is turned off and cool.
- Open the fuel cap.

- Carefully pour gasoline into the fuel tank, avoiding spills. The tank capacity is 1.8 gallons.
- Do not fill above the red indicator line (if present) or to the very top of the filler neck.
- Securely close the fuel cap.



Image: An infographic detailing the generator's fuel type (Gas), starting watts (3300), running watts (3000), tank capacity (1.8 gal / 6.8 L), run time (up to 9 hours at 50% load), engine size (171cc OHV Max-Pro Series), and electric start feature.

#### 4. Battery Connection (for Electric Start)

If your model includes an electric start, connect the battery as per the instructions provided with the battery cable.

### OPERATING INSTRUCTIONS

#### Starting the Generator

1. Ensure the generator is on a firm, level surface outdoors, away from windows and doors.
2. Turn the fuel valve to the "ON" position.
3. Move the choke lever to the "CHOKE" position (if engine is cold).

4. Press the electric start button or pull the recoil starter handle firmly until the engine starts.
5. Once the engine starts, slowly move the choke lever to the "RUN" position.
6. Allow the generator to run for a few minutes to warm up before connecting electrical loads.



Image: A person is shown engaging with the control panel of the FIRMAN W03082 generator, demonstrating the ease of access for starting and operation.

## Connecting Electrical Loads

- Connect your appliances or power cords to the appropriate outlets on the control panel.
- The generator features various outlets including USB (2.1A-5VDC), DC12V (8.3A), TT-30R(RV) (30A-120VAC), and 5-20R (20A-120VAC).
- Do not overload the generator. Ensure the total running wattage of connected devices does not exceed 3000 watts.
- This generator is parallel-ready, allowing connection with another compatible FIRMAN inverter generator for increased power output.



Image: The FIRMAN W03082 generator is shown in an outdoor setting, connected via a yellow power cord to an RV, demonstrating its use for recreational power supply.

## Stopping the Generator

1. Disconnect all electrical loads from the generator.
2. Allow the generator to run for a few minutes without load to cool down.
3. Turn the engine switch to the "OFF" position.
4. Turn the fuel valve to the "OFF" position.

## MAINTENANCE

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Regular maintenance is essential for the longevity and optimal performance of your generator.

### Engine Oil Change

- Change the engine oil after the first 20 hours of operation, then every 100 hours or annually.
- Ensure the engine is warm for easier draining.

- Place a drain pan under the oil drain plug.
- Remove the drain plug and oil fill cap/dipstick to allow oil to drain completely.
- Reinstall the drain plug and refill with new, recommended oil.

## Air Filter Maintenance

- Inspect the air filter every 50 hours or every 3 months.
- Clean or replace if dirty. A dirty air filter can reduce engine performance.

## Spark Plug Inspection

- Inspect the spark plug every 100 hours or annually.
- Clean or replace if fouled or damaged. Ensure proper gap.

## Storage

- For long-term storage, drain the fuel tank and carburetor, or use a fuel stabilizer.
- Change the engine oil.
- Clean the exterior of the generator.
- Store in a clean, dry place.

## TROUBLESHOOTING

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This section provides solutions for common issues you might encounter with your generator.

Problem	Possible Cause	Solution
Engine will not start	No fuel; Low oil level; Choke not set correctly; Spark plug issue; Battery low (for electric start)	Add fuel; Add oil to correct level; Adjust choke; Inspect/replace spark plug; Charge/replace battery
No power output	Circuit breaker tripped; Overload; Eco-mode engaged (if applicable)	Reset circuit breaker; Reduce load; Disengage Eco-mode
Engine runs rough	Stale fuel; Dirty air filter; Fouled spark plug	Drain and refill with fresh fuel; Clean/replace air filter; Clean/replace spark plug

If problems persist after attempting these solutions, please contact FIRMAN customer support.

## SPECIFICATIONS

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Feature	Detail
Brand	Firman
Model Number	W03082
Engine Type	171cc 4-Stroke OHV Max-Pro Series
Starting Wattage	3300 Watts

Feature	Detail
Running Wattage	3000 Watts
Fuel Type	Gasoline
Fuel Tank Capacity	1.8 Gallons
Run Time	Up to 9 hours (at 50% load)
Noise Level	59 Decibels (Whisper Series)
Starting System	Electric Start
Voltage	120 Volts
Frequency	60 Hz
Total Power Outlets	4
Product Dimensions (L x W x H)	23.2" x 17.8" x 17.9"
Item Weight	109 Pounds
Special Features	Electric Start, Parallel Ready, Low Oil Shutdown Protection, Cast Iron Sleeve

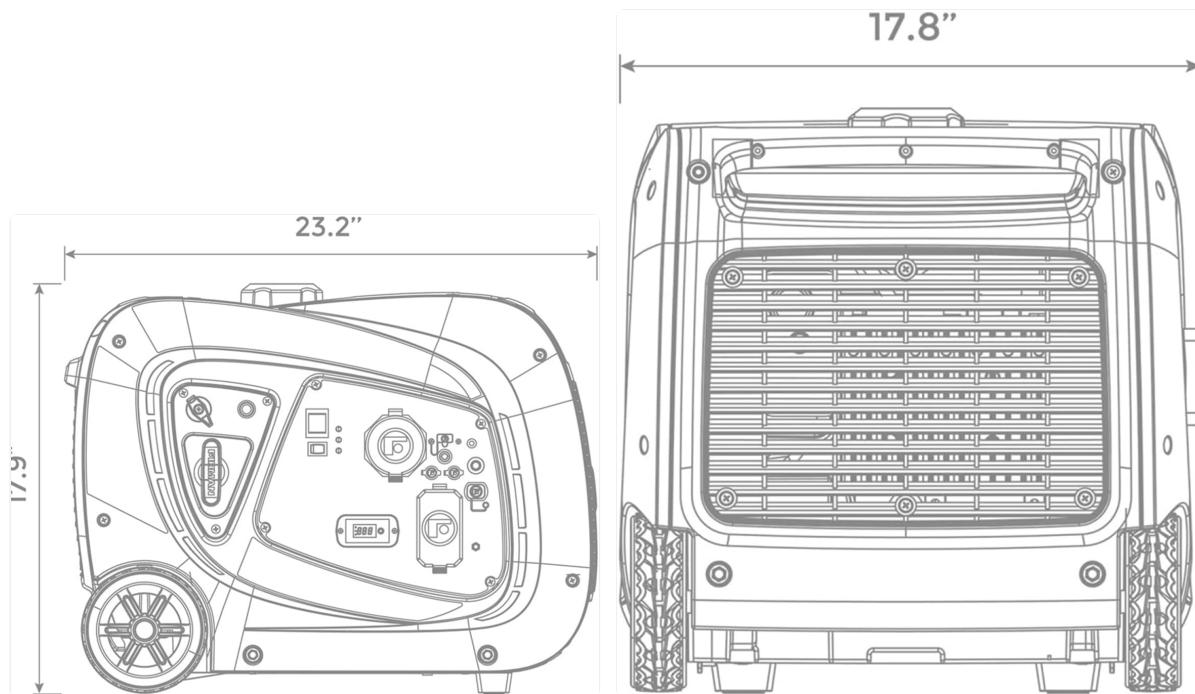


Image: Technical drawings illustrating the side and front dimensions of the FIRMAN W03082 generator.

## WARRANTY AND SUPPORT

Your FIRMAN W03082 Inverter Portable Generator comes with a **3-year warranty**, ensuring peace of mind regarding its quality and performance.

For any questions, technical assistance, or warranty claims, please contact FIRMAN customer support. You can often find contact information on the manufacturer's website or through the retailer where the product was purchased.

Additional accessories included for utmost utility and convenience are an oil bottle, oil funnel, spark plug wrench,

screwdriver, 12V battery cable, floater charger, and quick oil drain.

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