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Generac 8061

Generac 12,500 Starting Watt Tri-Fuel Portable Generator GP9500E TF Instruction Manual

Model: GP9500E TF (8061)

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Generac 12,500 Starting Watt Tri-Fuel Portable Generator, Model GP9500E TF. Please read all instructions carefully before operating the generator.

What's in the box?



Engine Oil



Battery (for electric start)



Handle & Wheel Kit



Propane Hose w/ Regulator



Owner's Manual

Image 1: The Generac GP9500E TF Portable Generator providing power during an outage.

2. SETUP

2.1 Unpacking and Assembly

Your generator comes with several components that require assembly before first use. Ensure all parts are present and undamaged.

- Engine Oil
- LP Hose with Regulator
- Battery (for electric start)
- Handle & Wheel Kit
- Owner's Manual

GP9500E TF Key Features



Tri-Fuel

Uses gas, propane and natural gas

Electric Start

Hassle free startup (battery included)

Covered Outlets

Protection from the environment and rugged working conditions

COsense® Technology

Protection against carbon monoxide

Image 2: Included components in the Generac GP9500E TF package.

Wheel and Handle Installation: Attach the wheels and handles to the generator frame using the provided hardware. This enhances portability.

Adding Engine Oil: Locate the oil fill cap/dipstick. Add the provided engine oil to the crankcase. Do not overfill. Refer to the oil capacity in the specifications section.

Connecting the Battery: Connect the battery terminals, ensuring correct polarity (red to positive, black to negative). The battery powers the electric start feature.

2.2 Fueling the Generator

The Generac GP9500E TF is a tri-fuel generator, capable of running on gasoline, liquid propane (LP), or natural gas.

- **Gasoline:** Fill the 7.5-gallon fuel tank with fresh, unleaded gasoline. Do not use E85 or other ethanol blends exceeding 10%.
- **Liquid Propane (LP):** Connect the provided LP hose and regulator to a standard LP tank and the generator's LP inlet.
- **Natural Gas:** Connect the generator to a natural gas supply line using appropriate fittings and hoses (not included). Consult a qualified professional for natural gas connections.

WARNING: Always operate the generator in a well-ventilated outdoor area, far from windows, doors,

and vents, to prevent carbon monoxide poisoning.



Portable power when and where you need it



Outages



RV



Events



DIY

Image 3: Tri-Fuel capabilities and estimated runtimes.

For a visual guide on initial setup, including adding oil and connecting the battery, please watch the following video:

Video 1: Demonstrates the initial setup, including adding oil, connecting the battery, and starting the Generac GP8000E generator.

3. OPERATING INSTRUCTIONS

3.1 Control Panel Overview

Familiarize yourself with the generator's control panel before operation.



Image 4: Control Panel of the Generac GP9500E TF.

3.2 Starting the Generator

1. Ensure the generator is on a level surface and in a well-ventilated outdoor area.
2. Check oil and fuel levels.
3. Select the desired fuel type (Gasoline, LP, or Natural Gas) using the fuel selector dial.
4. Turn the engine switch to the 'START' position for electric start. If manual start is required, pull the recoil starter handle firmly.
5. Once the engine starts, release the switch (for electric start) or the recoil handle.
6. Allow the generator to run for a few minutes to warm up before connecting any loads.

Watch this video for a demonstration of starting the generator:

Video 2: Demonstrates the starting procedure and features of a Generac portable generator.

3.3 Connecting Appliances

Connect your appliances to the appropriate outlets on the control panel. The generator features multiple outlets:

- 20A, 120V 5-20R GFCI outlets
- 30A, 120/240V L14-30R outlet

- 40A, 120/240V 14-50R outlet

Ensure the total wattage of connected appliances does not exceed the generator's running wattage (9500 Watts on Gas). Overloading the generator can cause circuit breakers to trip.

4. SAFETY INFORMATION

4.1 Carbon Monoxide Safety

Your Generac GP9500E TF is equipped with **COsense® Technology**, which automatically shuts down the generator if hazardous levels of carbon monoxide are detected. This feature provides powerful protection against carbon monoxide poisoning.

NEVER operate the generator indoors, in a garage, or in any enclosed space. Carbon monoxide is an odorless, colorless, and deadly gas.



Control Panel

1. 20A, 120V 5-20R GFCI
2. 30A, 120/240V L14-30R
3. 40A, 120/240V 14-50R
4. Hour Meter
5. 40A Circuit Breaker
6. 30A Circuit Breaker
7. 20A Circuit Breaker
8. Off/Run/Start Switch

Image 5: Key features of the Generac GP9500E TF, including COsense® Technology.

4.2 General Safety Precautions

- Keep children and pets away from the generator.
- Do not operate the generator in wet conditions.
- Ensure proper grounding of the generator.
- Never refuel a hot or running engine.
- Store fuel in approved containers in a well-ventilated area away from ignition sources.

5. MAINTENANCE

5.1 Regular Maintenance

Regular maintenance is crucial for the longevity and performance of your generator. Refer to the maintenance schedule in the full owner's manual for detailed intervals.

- **Check Oil Level:** Before each use, check the engine oil level and add if necessary.
- **Change Oil:** Change the engine oil after the first 20 hours of operation, then every 100 hours or annually.
- **Clean/Replace Air Filter:** Inspect and clean the air filter regularly. Replace if heavily soiled or damaged.
- **Spark Plug:** Inspect and clean the spark plug annually. Replace if worn.
- **Fuel System:** Drain the fuel system if storing the generator for an extended period (over 30 days) or use a fuel stabilizer.

The generator features a low oil shutdown feature to protect the engine from damage when oil levels are insufficient.

6. TROUBLESHOOTING

6.1 Common Issues

- **Engine Does Not Start:**
 - Check fuel level and type.
 - Ensure engine oil is at the correct level.
 - Verify the engine switch is in the 'START' position.
 - Check spark plug for fouling or damage.
- **No Power Output:**
 - Check if any circuit breakers have tripped on the control panel. Reset if necessary.
 - Ensure all connections are secure.
 - Confirm the generator is running at the correct RPM.
- **Engine Shuts Down Unexpectedly:**
 - Low oil level (check and refill).

- Overload (reduce connected appliances).
- COsense® activation (move generator to a more open, well-ventilated area).

7. SPECIFICATIONS

Feature	Specification
Brand	Generac
Model Name	GP9500E TF
Model Number	8061
Starting Wattage	12,500 Watts
Running Wattage (Gas)	9,500 Watts
Fuel Type	Gasoline, Liquid Propane, Natural Gas
Engine Type	4 Stroke
Tank Volume	7.5 Gallons
Runtime (Gas, 50% load)	Up to 10.5 hours
Ignition System	Electric Start
Special Features	CO Sense, Electric Start, Low Oil Shutdown, Portable, Tri-Fuel
Product Dimensions (L x W x H)	27.2" x 26.94" x 27"
Item Weight	227 Pounds



219 lbs
Integrated handle and wheels

Image 6: Generac GP9500E TF dimensions and weight.



Gas Powered

10.5 hours runtime
at 50% load

Propane Powered

5 hours runtime
at 50% load

Natural Gas Powered

Using your
home gas line

Image 7: Guide to estimating power needs for various devices.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Your Generac GP9500E TF Portable Generator comes with a **Limited 3-Year Warranty**. Please refer to the full owner's manual for complete warranty terms and conditions.

8.2 Customer Support

For technical assistance, parts, or service, please contact Generac customer support. Refer to the contact information provided in your owner's manual or visit the official Generac website.

