

Generac 8944

Generac iQ3800DF 3800-Watt Dual-Fuel Portable Inverter Generator Instruction Manual

Model: 8944

PRODUCT OVERVIEW

The Generac iQ3800DF is a portable inverter generator designed for versatile power needs, from outdoor activities to home backup. This unit features dual-fuel capability, allowing operation on either gasoline or liquid propane (LP) gas. It provides clean, stable power suitable for sensitive electronics and tools, combined with quiet operation and an electric start for user convenience. Integrated COsense technology enhances safety by detecting and shutting down the unit if hazardous carbon monoxide levels are present.



Image: Front-side view of the Generac iQ3800DF 3800-Watt Dual-Fuel Portable Inverter Generator.

Key Features

- **Portable Power Solution:** The iQ3800DF inverter generator is suitable for outdoor adventures, camping trips, tailgating events, and home backup, providing stable power.
- **Convenient Electric Start:** Features an electric start with an included battery for easy and reliable operation.
- **Quiet Operation:** A fully enclosed case minimizes noise levels, making it suitable for various environments.
- **Fuel Switching Convenience:** Seamlessly switch between gasoline and LP gas fuel types using the fuel source selector.
- **COsense Technology:** Provides protection against hazardous carbon monoxide by automatically shutting down the unit.
- **Smart and Reliable:** Equipped with LED indicators for low oil, overloaded, and ready-to-use status. Includes two USB ports for device charging and parallel-ready capability for increased power output.



Image: Diagram highlighting key features including Push Button Start, Quiet Operation, COsense Technology, and Dual Fuel capability.

SETUP AND INITIAL USE

Unpacking and Included Components

Carefully unpack the generator and all components from the packaging. Inspect for any damage. Ensure all listed items are present.



Image: Diagram illustrating the components included in the box.

The following components are included:

- Engine Oil
- LP Hose
- Oil Funnel
- Battery (for electric start)
- Tool Kit
- Owner's Manual

Adding Engine Oil

1. Place the generator on a level surface.
2. Locate the oil fill cap/dipstick.
3. Using the provided oil funnel, slowly add the recommended engine oil (refer to the owner's manual for specific oil type and capacity) until it reaches the upper mark on the dipstick. Do not overfill.
4. Securely replace the oil fill cap/dipstick.

Connecting the Battery

For electric start functionality, the included battery must be connected. Refer to the detailed instructions in the owner's manual for proper battery connection procedures, ensuring correct polarity.

OPERATING THE GENERATOR

Control Panel Overview

Familiarize yourself with the generator's control panel before operation. The panel provides access to outlets, fuel selection, and starting controls.



Image: Labeled diagram of the Generac iQ3800DF control panel.

Key elements of the control panel include:

- 20A, 120V 5-20R GFCI Outlets
- 30A, 120/240V L14-30R Outlet
- USB-A & USB-C Ports
- Fuel Selector Switch (Gas/LPG)
- LPG Connection
- Parallel Outlets
- Grounding Location
- 20A Circuit Breaker
- 30A Circuit Breaker
- Economy Switch

- Electric Start Button
- Main On/Off Switch

Fuel Selection (Gasoline/Propane)

The generator operates on either gasoline or liquid propane (LP) gas. Use the fuel selector switch on the control panel to choose your desired fuel type. Ensure the generator is off before switching fuel types. When using LP gas, connect the LP hose to the generator's LPG connection and to a propane tank.

What's in the box?



Engine Oil



Oil Funnel



Battery
(for electric start)



Tool Kit



**Propane
Hose w/
Regulator**



**Owner's
Manual**

Image: Generac iQ3800DF operating with a circular saw, illustrating dual fuel capability and runtime differences.

Starting the Generator (Electric Start)

1. Ensure the generator is on a level surface and away from any obstructions.
2. Select the desired fuel type using the fuel selector switch.
3. Turn the main On/Off switch to the 'On' position.
4. Press and hold the Electric Start button until the engine starts.
5. Allow the engine to warm up for a few moments before connecting electrical loads.

COsense Technology

The integrated COsense technology continuously monitors carbon monoxide (CO) levels. If unsafe levels of CO are detected, the generator will automatically shut down to protect users. If a shutdown occurs, move the generator to an open, well-ventilated area and allow it to cool before attempting to restart.

Economy Mode

The Economy Mode switch allows the generator to adjust engine speed based on the electrical load. This feature can reduce noise levels and fuel consumption when less power is required. For maximum power response, turn Economy Mode off.

MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your Generac iQ3800DF generator. Always refer to the complete maintenance schedule in your owner's manual.

General Maintenance Schedule

- **Before Each Use:** Check engine oil level, inspect for loose fasteners or damage.
- **Every 25 Hours or Annually:** Change engine oil.
- **Every 50 Hours or Annually:** Clean/replace air filter, inspect spark plug.
- **Every 100 Hours or Annually:** Replace spark plug, inspect fuel filter.

Storage

When storing the generator for an extended period, ensure the fuel system is properly prepared to prevent issues. This typically involves draining gasoline or adding a fuel stabilizer. Store the generator in a clean, dry area.

TROUBLESHOOTING

This section addresses common operational issues. For comprehensive troubleshooting, consult the full owner's manual.

Common Issues and Solutions

- **Generator will not start:** Check fuel level, ensure fuel selector is set correctly, verify battery connection for electric start, check engine oil level.
- **No power output:** Check circuit breakers on the control panel, ensure no overload condition, verify connections to outlets.
- **LED Indicators:**
 - **Low Oil:** Indicates insufficient engine oil. Add oil to the correct level.
 - **Overloaded:** Indicates too many devices are connected, exceeding the generator's capacity. Disconnect some devices.
 - **Ready-to-Use:** Indicates the generator is running correctly and providing stable power.

- **COsense Shutdown:** If the generator shuts down due to COsense, move it to an open, well-ventilated area immediately. Do not operate in enclosed spaces.

TECHNICAL SPECIFICATIONS

The following table provides detailed technical specifications for the Generac iQ3800DF 3800-Watt Dual-Fuel Portable Inverter Generator.



Portable power
when and where you need it



Camping



Food Truck



DIY



Outages

Image: Generac iQ3800DF showing product dimensions and weight.

Specification	Value
Brand	Generac
Model Name	iQ3800 DF
Item Model Number	8944

Specification	Value
Wattage (Running)	3000 Watts
Wattage (Starting)	3800 Watts
Fuel Type	Gasoline, Liquefied Petroleum Gas
Power Source	Fuel Powered
Voltage	120 Volts (AC)
Item Weight	107 Pounds
Product Dimensions	37.2"L x 20.3"W x 22.4"H
Engine Type	Internal Combustion Engine
Ignition System Type	Electric Start
Tank Volume	3.2 Gallons
Total Power Outlets	4
Special Features	CO Sensor, Dual Fuel, Electric Start, Fully Enclosed Design, USB Port
Batteries Included	Yes
Battery Cell Type	Lead Acid



Image: Chart detailing running and starting watts for various devices to help determine power needs.

WARRANTY AND SUPPORT





Warranty Information

The Generac iQ3800DF generator comes with a **2 Year Limited Commercial Warranty** and a **3 Year Limited Residential Warranty**. For full details regarding warranty coverage, terms, and conditions, please refer to the official warranty statement included in your owner's manual or visit the Generac website.

Customer Support

For technical assistance, parts, or service inquiries, please contact Generac customer support. You can find contact information in your owner's manual or on the official Generac website. Always provide your model number (8944) and serial number when contacting support.

Related Documents - 8944

	<p>Generac GP7500E DF Portable Generator: Dual Fuel, COsense Technology, 7500 Watts</p> <p>Explore the Generac GP7500E DF portable generator. Features dual fuel capability (gasoline/propane), COsense carbon monoxide detection, electric start, PowerRush technology, and 7500 starting watts. Includes detailed specifications, dimensions, and features for reliable power generation.</p>
	<p>Generac GP3300i GP Series Inverter Generator: Features, Specifications, and Control Panel</p> <p>Explore the Generac GP3300i GP Series Inverter Generator, highlighting its advanced features like COsense® Technology and PowerRush™™, detailed specifications, and control panel layout. Learn about its clean power output, portability, and parallel capabilities.</p>
	<p>Generac iQ3800DF / iQ5200DF Portable Generator Owner's Manual</p> <p>Comprehensive owner's manual for Generac iQ3800DF and iQ5200DF portable generators, covering safety, operation, maintenance, and troubleshooting.</p>
	<p>Generac GP2500i Portable Generator Owner's Manual</p> <p>Comprehensive owner's manual for the Generac GP2500i Portable Generator, covering safety, operation, maintenance, and troubleshooting. Learn how to safely operate and maintain your generator for optimal performance.</p>



[Generac QuietSource Series QT027 27 kW Standby Generator | Specifications & Installation](#)

Detailed specifications, features, operating data, and installation layout for the Generac QuietSource Series QT027 27 kW standby generator. Learn about its liquid-cooled engine, advanced controls, and accessories.



[Generac Home Standby Generators: Your Guide to Power Outage Protection](#)

Learn how Generac automatic home standby generators protect your home 24/7 from power outages caused by storms and grid failures. Explore features, benefits, fuel options, and installation.