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Generac 8945

Generac iQ5200DF 5200-Watt Dual-Fuel Portable Inverter Generator Instruction Manual

Model: 8945 | Brand: Generac

1. INTRODUCTION

The Generac iQ5200DF is a versatile 5200-watt dual-fuel portable inverter generator designed to provide clean, stable power for various applications, including home backup, camping, RV use, and jobsites. Its quiet operation and advanced features ensure reliable performance.

Key Features:

- **Portable Power Solution:** Ideal for outdoor adventures and unexpected outages.
- **Convenient Electric Start:** Easy push-button ignition with included battery.
- **Quiet Operation:** Fully enclosed case minimizes noise levels.
- **Dual Fuel Capability:** Seamlessly switches between gasoline and LP gas.
- **COsense® Technology:** Provides protection against hazardous carbon monoxide.
- **Smart and Reliable:** Features LED indicators for low oil, overload, and ready-to-use status, plus USB ports and parallel-ready capability.



Figure 1: Front view of the Generac iQ5200DF Portable Inverter Generator.

2. WHAT'S IN THE Box

Upon unboxing your Generac iQ5200DF generator, ensure all components are present:

- Generac iQ5200DF Inverter Generator
- Engine Oil
- Oil Funnel
- Battery (for electric start)
- Tool Kit
- LP Hose with Regulator
- Owner's Manual



Figure 2: Included components with the Generac iQ5200DF generator.

3. SETUP

3.1 Add Engine Oil

1. Locate the oil reservoir cap on the side of the generator.
2. Using the provided oil funnel, carefully add the recommended engine oil (approximately 20 ounces) until it reaches the full mark on the dipstick. Do not overfill.
3. Securely replace the oil reservoir cap.

3.2 Connect the Battery

1. Locate the battery compartment, typically behind a removable panel.
2. Connect the battery terminals (red to positive, black to negative) as instructed in the owner's manual.

3. Ensure connections are secure before closing the compartment.

3.3 Fuel Connection

The iQ5200DF supports both gasoline and liquefied petroleum gas (LP gas).

- **For Gasoline:** Fill the fuel tank with fresh, unleaded gasoline. Do not overfill.
- **For LP Gas:** Connect the provided LP hose with regulator to a propane tank and then to the generator's LP inlet. Ensure all connections are tight to prevent leaks.

4. OPERATING INSTRUCTIONS

4.1 Control Panel Overview

Familiarize yourself with the generator's control panel for safe and efficient operation.



Figure 3: Generac iQ5200DF Control Panel Layout.

1. **20A, 120V 5-20R GFCI Outlets:** Standard household outlets.
2. **30A, 120V L5-30R Outlet:** Twist-lock outlet for higher power demands.
3. **USB-A & USB-C Ports:** For charging sensitive electronics.
4. **Fuel Selector:** Switch between GAS and LPG.
5. **LPG Connection:** Quick-connect port for propane hose.
6. **Parallel Outlets:** For connecting two iQ5200DF units for increased power output.
7. **Grounding Location:** For connecting a grounding wire.
8. **20A Circuit Breakers:** Protects 20A outlets from overload.
9. **30A Circuit Breaker:** Protects 30A outlet from overload.
10. **Economy Switch:** Engages Economy Mode for reduced noise and fuel consumption.
11. **Electric Start Button:** Push to start the engine.
12. **Main On/Off Switch:** Controls overall power to the generator.

4.2 Starting the Generator

1. Ensure the generator is on a level surface and in a well-ventilated outdoor area.
2. Verify engine oil and fuel levels are adequate.
3. Turn the **Fuel Selector** to the desired fuel type (GAS or LPG).
4. Turn the **Main On/Off Switch** to the 'On' position.
5. Press and hold the **Electric Start Button** until the engine starts.
6. Once running, if using gasoline, gradually move the choke lever to the 'Run' position. For LP gas, the choke may adjust automatically.

4.3 Stopping the Generator

1. Disconnect all electrical loads from the generator.
2. Turn the **Main On/Off Switch** to the 'Off' position.
3. If using gasoline, turn the fuel valve to the 'Off' position to run the carburetor dry.
4. If using LP gas, close the valve on the propane tank.

4.4 Economy Mode

Engage the **Economy Switch** to reduce engine speed when power demand is low. This conserves fuel and reduces noise. Disengage for full power response.

4.5 COsense® Technology

The integrated COsense® technology continuously monitors carbon monoxide levels. If unsafe levels are detected, the generator will automatically shut down to protect users from hazardous conditions. Always operate the generator in a well-ventilated outdoor area.

5. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your generator. Refer to the full owner's manual for detailed schedules.

- **Check Engine Oil:** Before each use, ensure oil is at the proper level.
- **Clean Air Filter:** Inspect and clean the air filter regularly, especially in dusty conditions.
- **Inspect Spark Plug:** Check the spark plug for wear and proper gap periodically.
- **Fuel System:** Drain the fuel system if storing for extended periods to prevent carburetor issues.

6. TROUBLESHOOTING

If your generator encounters issues, consult the following common troubleshooting tips. For complex problems, contact Generac customer support.

- **Generator will not start:** Check fuel level, oil level, battery connection, and ensure the choke is set correctly.
- **No power output:** Check circuit breakers on the control panel. Ensure no overload is indicated by the LED display.
- **Engine runs rough:** Ensure fresh fuel is used. Check air filter for clogs.
- **COsense® shutdown:** Move the generator to a well-ventilated area and allow it to cool before restarting.

7. SPECIFICATIONS

Feature	Detail
Brand	Generac
Model Name	iQ5200 DF (Model 8945)
Wattage	5200 Watts (Starting), 3900 Watts (Running)
Fuel Type	Gasoline, Liquefied Petroleum Gas
Power Source	Fuel Powered
Item Weight	107 Pounds
Voltage	120 Volts (AC)
Total Power Outlets	2 (Standard 120V) + 1 (L5-30R) + 2 (USB)
Engine Type	Internal Combustion Engine
Ignition System Type	Electric Start
Product Dimensions	37.2" L x 20.3" W x 22.5" H
Special Features	CO Sensor, Dual Fuel, Electric Start, Fully Enclosed Design, USB Port

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Generac iQ5200DF generator comes with a **2-Year Limited Commercial Warranty** and a **3-Year Limited Residential Warranty**. Please refer to the full warranty document included with your product for complete terms and conditions.

8.2 Customer Support

For technical assistance, parts, or warranty claims, please contact Generac customer support. Contact information can be found in your owner's manual or on the official Generac website.