Champion Power Equipment 100416

Champion Power Equipment Tri-Fuel Portable Generator

User Manual

Brand: Champion Power Equipment | **Model:** 100416

1. Product Overview

The Champion Power Equipment 100416 is an 8000-watt Tri-Fuel portable generator designed for home backup and various power needs. It offers the versatility to operate on gasoline, propane (LPG), or natural gas (NG) right out of the box. Key features include electric start, Cold Start Technology for reliable cold-weather starts, and CO Shield technology for enhanced safety.

Key Features:

- **Tri-Fuel Capability:** Operates on gasoline, propane, or natural gas. Natural gas and propane hoses are included.
- **Electric Start:** Features a convenient rocker switch for easy starting, with a battery included.
- **IntelliGauge:** Digital meter tracks voltage, frequency, session run time, and total run time for monitoring and maintenance.
- **CO Shield® Technology:** Automatically shuts off the engine if unsafe levels of carbon monoxide accumulate.
- **Robust Power Output:** Provides 10,000 starting watts and 8000 running watts on gasoline.
- **EPA Certified & CARB Compliant:** Meets environmental standards.



Figure 1.1: Champion 10,000-Watt Tri-Fuel Portable Generator. This image displays the overall design and key components of the generator, including the control panel, wheels, and frame.

2. Safety Information

WARNING: Generators produce carbon monoxide, a colorless, odorless, poisonous gas. Using a generator indoors CAN KILL YOU IN MINUTES. Generator exhaust contains carbon monoxide. This is a poisonous gas you cannot see or smell. NEVER use inside a home or garage, EVEN IF doors and windows are open. ONLY use OUTSIDE and far away from windows, doors, and vents.

This product can expose you to chemicals including carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CO Shield® Technology:

The integrated CO Shield® technology actively monitors carbon monoxide (CO) levels. If unsafe elevated levels of CO gas are detected in the generator's operating area, the system will automatically shut off the engine. This feature is an important safety measure but is not a substitute for proper ventilation or an indoor carbon monoxide alarm.



Figure 2.1: CO Shield® Carbon Monoxide Auto-Shutoff. This image highlights the CO Shield® logo and explains its function in automatically shutting off the generator if carbon monoxide levels become dangerous.

3. Setup

Before operating your generator, ensure proper assembly and connection of fuel sources. The generator comes with essential accessories to get started.

Included Components:

- Engine Oil
- Natural Gas Hose with NPT Adapter
- Oil Funnel
- Propane (LPG) Hose
- Wheel Kit



Figure 3.1: Accessories Included in the Box. This image shows the engine oil, LPG hose with regulator, NG hose kit, and the wheel kit, all provided with the generator.

Wheel Kit Assembly:

Attach the included wheel kit to the generator frame. This will allow for easier portability of the unit. Refer to the detailed instructions in the full user manual for step-by-step assembly.

Fuel Connection:

Connect the appropriate fuel source (gasoline, propane, or natural gas) to the generator. Ensure all connections are secure and free of leaks. For natural gas, use the provided 25-foot hose and NPT adapter. For propane, use the provided hose with regulator.



Figure 3.2: Generator Connected to Natural Gas. This image shows the generator positioned outdoors, connected to a natural gas line, demonstrating a typical setup for operation.



Figure 3.3: Natural Gas Connection Detail. A close-up view of the natural gas hose connected to the generator's inlet, emphasizing the secure fitting.

4. Operating Instructions

The Champion Tri-Fuel generator is designed for easy and reliable operation across its three fuel types.

Control Panel Overview:

Familiarize yourself with the generator's control panel, which includes the ignition switch, EZ Start Dial, IntelliGauge, and various power outlets.



Figure 4.1: Detailed Control Panel Layout. This diagram labels the various components of the control panel, including the Propane-Natural Gas Selector, Ignition EZ Start Dial, 4-Mode IntelliGauge, Circuit Breakers, and different AC outlets.

Starting the Generator:

1. Ensure the generator is placed outdoors in a well-ventilated area, far from windows and doors.
2. Connect your desired fuel source (gasoline, propane, or natural gas).
3. Select the appropriate fuel type using the fuel selector switch on the control panel.
4. Press the electric start button. The Cold Start Technology assists in quick starts in cooler temperatures.
5. Once running, the IntelliGauge will display real-time operational data.



Figure 4.2: Generator Front View. This image provides a clear view of the generator's front, highlighting the control panel and its various outlets and switches.

Connecting Appliances:

The generator features multiple outlets to accommodate various power needs:

- 120V AC 30A Locking (NEMA L5-30R)
- 120V AC 20A GFCI (NEMA 5-20R)
- 120/240V AC 30A Locking (NEMA L14-30R)

Always ensure the total wattage of connected appliances does not exceed the generator's running wattage for the selected fuel type.



Figure 4.3: Generator in Use with Propane. This image shows the generator connected to a propane tank, actively powering a circular saw, demonstrating its capability for job site or home use.

5. Maintenance

Regular maintenance is crucial for the longevity and optimal performance of your Champion generator. Always refer to the comprehensive User Guide (PDF) for detailed maintenance schedules and procedures.

Key Maintenance Tasks:

- **Oil Changes:** Perform initial oil change after the first 5 hours of operation, then regularly as specified in the manual. Engine oil is included with the generator.
- **Air Filter Inspection:** Check and clean/replace the air filter periodically.
- **Spark Plug Maintenance:** Inspect and clean/replace the spark plug as needed.
- **Fuel System Checks:** Regularly inspect fuel lines and connections for wear or leaks.

For detailed instructions on these and other maintenance procedures, please consult the officialUser Guide (PDF).

6. Troubleshooting

If you encounter issues with your generator, refer to the Troubleshooting Guide (PDF) for common problems and solutions. The IntelliGauge display can provide diagnostic information.

Common Issues & Solutions:

- **Generator Not Starting:** Check fuel levels, fuel selector position, battery charge, and ensure the ignition switch is on.
- **No Power Output:** Verify circuit breakers are not tripped. Check for overloaded circuits.
- **CO Shield® Shutdown:** If the CO Shield® indicator light is on and the generator has shut down, move the generator to an open, well-ventilated area and allow it to cool before attempting to restart. Do not operate in enclosed spaces.

For a comprehensive list of troubleshooting steps, please refer to the official Troubleshooting Guide (PDF).

7. Specifications

Specification	Value
Brand	Champion Power Equipment
Model Name	10,000/8,000-Watt TRI FUEL
Item Model Number	100416
Fuel Type	Gasoline, Propane (LPG), Natural Gas (NG)
Starting Wattage (Gasoline)	10,000 Watts
Running Wattage (Gasoline)	8,000 Watts
Starting Wattage (Propane)	9,000 Watts
Running Wattage (Propane)	7,200 Watts
Starting Wattage (Natural Gas)	8,750 Watts
Running Wattage (Natural Gas)	7,000 Watts
Engine Displacement	459 Cubic Centimeters
Engine Type	4 Stroke
Runtime (Gasoline, 50% load)	12 hours
Sound Level	74 dB
Item Weight	207 Pounds
Product Dimensions (L x W x H)	28.2" x 27.6" x 26"
Voltage	120 Volts
Frequency	60 Hz
Total Power Outlets	5
Certification	EPA and CARB Compliant, PGMA G300-2018 Compliant
UPC	817198020617

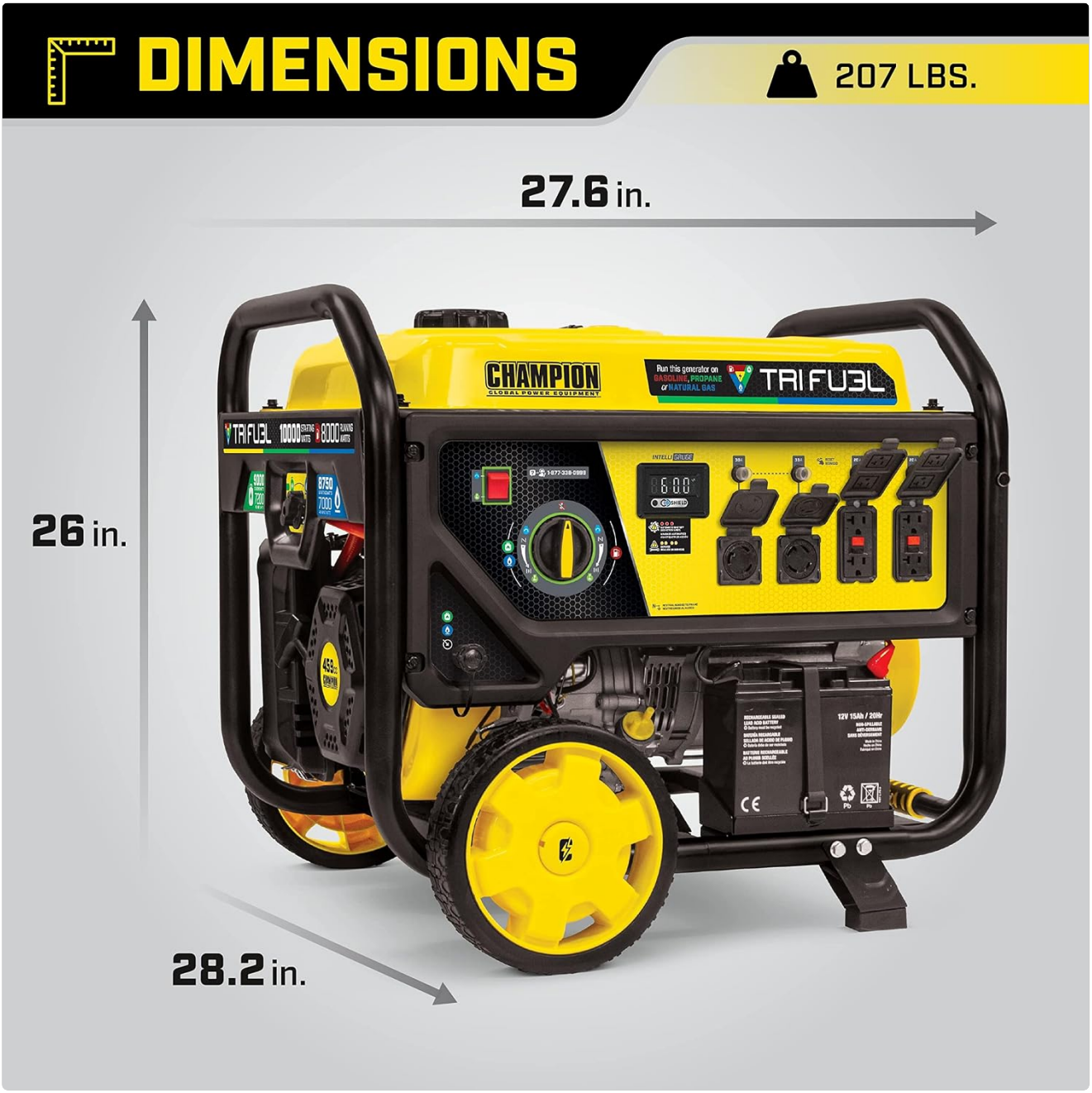


Figure 7.1: Generator Dimensions. This diagram illustrates the length, width, and height of the generator, along with its weight.

8. Warranty & Support

Champion Power Equipment stands behind its products with comprehensive warranty and support services.

Warranty:

This generator comes with a**3-year limited warranty**, covering defects in material and workmanship under normal use and service.



Figure 8.1: 3-Year Limited Warranty Badge. This image visually confirms the product's 3-year limited warranty.

Technical Support:

Enjoy **FREE lifetime technical support** from Champion's dedicated experts. For assistance, please contact Champion Support through their official channels or visit their nationwide network of service centers.
For more information, visit the Champion Power Equipment Store on Amazon.

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