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Champion Power Equipment 201438

Champion Power Equipment 12,500-Watt Electric Start Tri Fuel Home Backup Portable Generator with CO Shield

Model: 201438

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1. INTRODUCTION

This manual provides essential information for the safe and efficient operation and maintenance of your Champion Power Equipment 12,500-Watt Electric Start Tri Fuel Home Backup Portable Generator with CO Shield. Please read this manual thoroughly before operating the generator to ensure proper usage and to prevent injury or damage.

The Champion Power Equipment Model 201438 is a versatile portable generator designed for home backup and various applications. It offers the flexibility to operate on three different fuel types: gasoline, propane (LPG), and natural gas (NG).



Figure 1.1: Champion 12,500-Watt Tri-Fuel Portable Generator. This image shows the overall view of the generator, highlighting its robust frame and yellow and black color scheme.

2. SETUP AND ASSEMBLY

Before operating your generator, proper assembly and setup are crucial. The generator comes with most necessary components for immediate use, excluding a transfer switch and related cables for home integration.

2.1 Unpacking and Inspection

Carefully remove all contents from the packaging. Inspect the generator for any signs of damage during shipping. If any damage is found, contact Champion Power Equipment customer support immediately.

2.2 Included Components

The following components are included with your generator:

- Battery
- Engine Oil (1.4-quart capacity)
- LPG (Propane) Hose
- NG (Natural Gas) Hose (25-foot)
- Oil Funnel

- Wheel Kit

⚡
12500W / 10000W
STARTING RUNNING

Power at the **SAME TIME**



WELL PUMP



CIRCULAR SAW



FURNACE
3 TON



REFRIGERATOR

or **INDIVIDUALLY**



HEAT PUMP
3 TON



CENTRAL AC
3 TON



ELECTRIC DRYER



**ELECTRIC WATER
HEATER**

*REFERENCE ONLY. REFER TO ELECTRIC OR HOUSEHOLD APPLIANCES FOR WATTAGE INFORMATION.



Figure 2.1: Included Accessories. This image displays the engine oil, propane hose, natural gas hose kit, and highlights that a wheel kit is included, all essential for initial setup.

2.3 Wheel Kit and Leveling Feet Assembly

The wheel kit and leveling feet are designed for easy installation. Follow the instructions provided in the separate assembly guide for detailed steps. Proper installation ensures stability and mobility of the generator.



Figure 2.2: Generator Mobility. This image shows a person moving the generator, demonstrating the utility of the installed wheel kit for easy transport.

3. OPERATION

This section details the operational procedures for your tri-fuel portable generator, including fuel selection, starting, and power output management.

3.1 Fuel Selection and Connection

Your generator can operate on gasoline, propane (LPG), or natural gas (NG). Use the fuel select dial on the control panel to choose your desired fuel source. Ensure all fuel connections are secure before starting the generator.

- **Gasoline:** Fill the 7.7-gallon fuel tank with unleaded gasoline. The generator will run for approximately 8 hours at 50% load.
- **Propane (LPG):** Connect a 20-pound propane tank using the included 6-foot propane hose assembly. The generator will run for approximately 3 hours at 50% load.

- **Natural Gas (NG):** Connect to your home's natural gas source using the included 25-foot NG hose kit, which includes a female quick connect and a female flare by male NPT adapter fitting.



Figure 3.1: Propane Operation. The generator is shown connected to a propane tank, demonstrating its versatility in fuel sources.



Figure 3.2: Natural Gas Operation. This image illustrates the generator connected to a natural gas line, showcasing its capability to use natural gas as a fuel source.

3.2 Starting the Generator

The generator features an electric start with a battery included. Simply use the handy rocker switch to power up the 500cc Champion engine. Cold Start Technology ensures quick starts even in cold weather conditions.

3.3 Control Panel and Intelligauge

The control panel provides access to all necessary controls and monitoring features. The Intelligauge system allows you to monitor voltage, frequency, session run time, and total run time, which is useful for tracking power output and maintenance intervals.



Figure 3.3: Control Panel Layout. This detailed view of the control panel highlights the ignition switch, fuel select dial, Intelligauge display, and circuit breakers, along with various power outlets.

3.4 Power Outlets

The generator is equipped with several covered outlets to protect them from the elements:

- One 120/240V 30A locking outlet (L14-30R)
- One 120/240V 42A outlet (L14-50R)

- Two 120V 20A GFCI duplex household outlets (5-20R)



Figure 3.4: Power Receptacles. This image clearly labels the different types of power outlets available on the generator, including 30 Amp, 42 Amp, and 20 Amp GFCI receptacles.

3.5 Wattage Output

The generator provides significant power output depending on the fuel type:

- **Gasoline:** 12,500 starting watts and 10,000 running watts.
- **Propane:** 11,250 starting watts and 9,000 running watts.
- **Natural Gas:** 10,000 starting watts and 8,000 running watts.

+ ACCESSORIES



INCLUDED IN THE BOX!



ENGINE OIL



PROPANE HOSE



**NATURAL GAS
HOSE KIT**



**WHEEL KIT
INCLUDED**

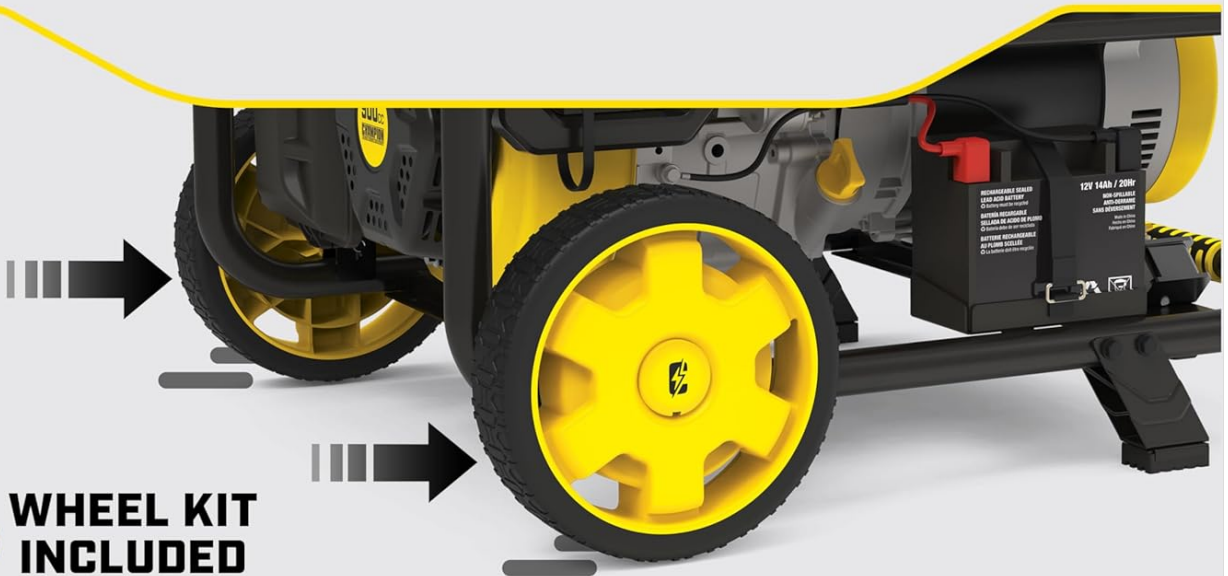


Figure 3.5: Wattage Calculation Guide. This graphic provides a step-by-step guide on how to calculate total running and starting watts for various household appliances, ensuring proper load management.

3.6 Safety Precautions

IMPORTANT SAFETY NOTE:

Generators must **ALWAYS** be used outdoors, far away from occupied buildings, with engine exhaust pointed away from people and buildings. Do NOT allow engine exhaust fumes to enter a confined area through windows, doors, vents, or other openings. This generator meets the requirements of ANSI/PGMA G300.

4. MAINTENANCE

Regular maintenance is essential to ensure the longevity and optimal performance of your Champion generator.

4.1 Oil Level Check and Changes

The unit has a 1.4-quart oil capacity and features a low oil shut-off sensor to protect the engine. Regularly check the engine oil level before each use. Refer to the engine manual for recommended oil change intervals and procedures.

Engine oil is included with the generator for initial use.

4.2 General Inspection

Periodically inspect the generator for loose fasteners, damaged components, or fuel leaks. Keep the generator clean and free of debris to ensure proper ventilation and cooling.

4.3 Tracking Maintenance with Intelligauge

Utilize the Intelligauge display to track total run time. This feature helps you adhere to recommended maintenance schedules, such as oil changes and air filter cleaning, based on operational hours.

5. TROUBLESHOOTING

This section provides guidance on common issues you might encounter with your generator.

5.1 CO Shield® Carbon Monoxide Auto-Shutoff

Your generator is equipped with CO Shield® technology, which monitors the accumulation of carbon monoxide (CO), a poisonous gas produced by engine exhaust. If CO Shield® detects unsafe elevated levels of CO gas, it automatically shuts off the engine. This is a safety feature, not a malfunction. If the generator shuts off due to CO Shield®, move the generator to an area with better ventilation and allow it to cool before attempting to restart.

NOTE:

CO Shield® is not a substitute for an indoor carbon monoxide alarm or for safe operation. Always ensure proper ventilation when operating the generator.



TRIFUEL

NATURAL GAS READY! 25 ft. hose included

Figure 5.1: CO Shield® System. This image illustrates the CO Shield® feature, showing how the generator's display indicates an automatic shutdown due to elevated carbon monoxide levels, emphasizing safety.

5.2 Common Starting Issues

If the generator fails to start, consider the following:

- **Fuel Level:** Ensure there is sufficient fuel (gasoline, propane, or natural gas) and that the fuel select dial is set correctly.
- **Oil Level:** Check the engine oil level. The low oil shut-off sensor will prevent the engine from starting if the oil is too

low.

- **Battery:** Ensure the battery for the electric start is charged and properly connected.
- **Connections:** Verify all fuel lines and electrical connections are secure.

6. SPECIFICATIONS

Detailed technical specifications for the Champion Power Equipment Model 201438 generator:

Feature	Specification
Brand	Champion Power Equipment
Model Name	Champion Power Equipment
Item Model Number	201438
ASIN	B0DLPLDXFC
UPC	817198027913
Fuel Type	Natural Gas, Propane, Gasoline
Power Source	Fuel Powered
Engine Type	Internal Combustion Engine (500cc)
Ignition System Type	Electric Start
Starting Wattage (Gasoline)	12,500 Watts
Running Wattage (Gasoline)	10,000 Watts
Starting Wattage (Propane)	11,250 Watts
Running Wattage (Propane)	9,000 Watts
Starting Wattage (Natural Gas)	10,000 Watts
Running Wattage (Natural Gas)	8,000 Watts
Voltage	120/240 Volts
Total Power Outlets	4 (L14-30R, L14-50R, 2x 5-20R GFCI)
Gasoline Tank Volume	7.7 Gallons (29.17 Liters)
Item Weight	231 Pounds
Product Dimensions (L x W x H)	29"L x 28.5"W x 25.8"H
Color	Yellow
Material	Metal
Special Features	Automatic Voltage Regulation, CO Sensor (CO Shield), Electric Start, Fuel Gauge, Tri-Fuel
Recommended Uses	Commercial, Residential



DIMENSIONS

 **231** LBS.



Figure 6.1: Generator Dimensions. This image provides a visual representation of the generator's length, width, and height, along with its weight.

7. WARRANTY AND SUPPORT

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

7.1 Limited Warranty

Your Champion Power Equipment 12,500-Watt Tri Fuel Portable Generator is backed by a **3-year limited warranty**. This warranty covers defects in material and workmanship under normal use and service.

7.2 Technical Support

Champion Power Equipment provides **FREE lifetime technical support** from dedicated experts. For assistance with setup, operation, maintenance, or troubleshooting, please contact Champion Support. A nationwide network of service centers is also available for repairs and service.

For contact information, please refer to the official Champion Power Equipment website or the documentation included

with your product.

