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VEVOR GF12000E-A2

VEVOR GF12000E-A2 Portable Tri-Fuel Generator Instruction Manual

Model: GF12000E-A2

PRODUCT OVERVIEW

The VEVOR GF12000E-A2 is a versatile portable generator designed for home backup, construction sites, camping, and other outdoor activities. It features a triple-fuel engine, allowing operation on gasoline, liquefied petroleum gas (LPG), and natural gas, providing flexible power options. The generator is equipped with an electric start system for convenience and a robust design for durability.

Triple Fuel, Powerful Output

Gasoline

9000_w

Running Power

13500_w

Peak Power

LPG

8100_w

Running Power

12000_w

Peak Power

Natural Gas

7200_w

Running Power

11000_w

Peak Power



Knob Close-up:
Switch Between Fuels

Please Note: Fuel is not included, user must provide their own

Figure 1: VEVOR GF12000E-A2 Tri-Fuel Generator showcasing its power capabilities across different fuel types.

SAFETY INFORMATION

Always read and understand the entire instruction manual before operating the generator. Failure to follow instructions can result in serious injury or death. Ensure the generator is operated in a well-ventilated area to prevent carbon monoxide buildup. The built-in CO sensor will monitor carbon monoxide levels and shut down the engine if dangerous levels are detected.

SETUP

Included Components

The generator package includes the following items:

- 1 x Portable Generator
- 2 x Front Wheels
- 2 x Handlebar Tube Set
- 1 x LPG Hose
- 1 x Gas Pressure Regulator Inlet Connector
- 1 x Oil Funnel (with Hose)
- 1 x Spark Plug Socket
- 1 x 10-13 Wrench
- 1 x 8-10 Wrench
- 1 x Lever
- 1 x Shock Mount Bracket
- 2 x Keys
- 2 x M8 Anti-Loosening Nuts
- 2 x M8 Lock Nuts
- 2 x M8 Screws
- 2 x R Pins
- 2 x Wheel Lock Pins
- 3 x Plugs
- 1 x User Manual

Wheel and Handle Assembly

Attach the two front wheels to the generator frame using the provided axles, washers, and R pins. Ensure the wheels are securely fastened. Install the handlebar tube set into the designated slots on the generator frame and secure them with the M8 screws and nuts. The foldable handle design allows for easy portability.

Continuous Power for Emergencies



9.2 gal

Fuel Tank

9.5h

Run Time at
50% Load

5.5h

Run Time at
100% Load

Figure 2: The generator features a foldable handle and large diameter dual wheels for easy transport.

Adding Engine Oil

The generator is shipped without engine oil. Before starting, add 4-stroke small engine oil (SAE 10W-30 is recommended for general use) to the engine crankcase using the provided oil funnel. The engine oil capacity is 500cc. Check the oil level using the dipstick; the oil should be at the full mark. Running the generator without sufficient oil will cause severe engine damage.

Battery Connection

The battery for the electric start system comes disconnected for safety during shipping. Connect the positive (+) and

negative (-) battery terminals. The battery will automatically recharge when the generator is running. If the generator is unused for extended periods and the battery drains, it may need to be recharged using an external battery charger (not included).

OPERATING INSTRUCTIONS

Fueling the Generator

This tri-fuel generator can operate on gasoline, LPG (Liquefied Petroleum Gas), or natural gas. Select the desired fuel type using the fuel selector switch on the control panel.

- **Gasoline:** Use unleaded gasoline with an octane rating of 87 or higher. The fuel tank has a capacity of 9.2 gallons (35 L).
- **LPG:** Connect the LPG hose from a propane tank to the generator's propane inlet. Ensure all connections are secure and leak-free.
- **Natural Gas:** Connect the natural gas line to the generator's natural gas inlet.

Dual Voltage, Compatible with Various Appliances

2 x AC120V 20A Household Outlets

1 x AC120/240V 50A Heavy-Duty Outlet



Figure 3: The control panel features multiple outlets, including 2x AC120V 20A household outlets and 1x AC120/240V 50A heavy-duty outlet.

Starting Procedures

Ensure the generator is placed on a level surface and at least 25 feet away from any buildings to prevent carbon monoxide buildup.

- **Electric Start:** Turn the fuel valve to the ON position. Set the fuel selector switch to the desired fuel type (Gasoline, LPG, or Natural Gas). Ensure the main circuit breaker is in the OFF position. Press and hold the 'Engine Start/Stop' button or use the remote key fob to start the engine.
- **Manual Start:** If the electric start fails or the battery is drained, you can use the pull start handle. Ensure the

fuel valve is ON and the fuel selector is set. Pull the recoil handle firmly until the engine starts.

Control Panel Overview

The control panel includes:

- **Fuel Selector Switch:** To choose between Gasoline, LPG, or Natural Gas.
- **Engine Start/Stop Button:** For electric starting and stopping the generator.
- **Battery Indicator:** Shows the battery status.
- **Smart Switch Ready Port:** For connecting to an automatic transfer switch.
- **Data Meter:** Displays voltage, frequency, and run hours.
- **Circuit Breakers:** Protects the generator from overload.
- **AC Outlets:** Includes 2x AC120V 20A, 1x AC120/240V 30A, and 1x AC120/240V 50A outlets.
- **CO Sensor:** Monitors carbon monoxide levels.

Take It Anywhere with Easy Portability



Figure 4: The control panel features a CO sensor for safety and an electric start with a key for convenience.

MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your generator. Refer to the user manual for a detailed maintenance schedule.

- **Engine Oil:** Check the engine oil level before each use. Change the oil after the first 8 hours of operation, then every 50 hours or annually, whichever comes first.
- **Air Filter:** Inspect the air filter regularly, especially in dusty conditions. Clean or replace as needed.

- **Spark Plug:** Inspect and clean the spark plug every 100 hours or annually. Replace if necessary.
- **Fuel Filter:** Inspect the fuel filter for debris and replace if clogged.

Storage

For long-term storage (more than 30 days), it is recommended to drain the gasoline from the fuel tank and carburetor to prevent fuel degradation issues. If using propane or natural gas, ensure the fuel lines are disconnected and valves are closed. Store the generator in a clean, dry place.

TROUBLESHOOTING

If the generator encounters issues, consult the troubleshooting section of the user manual. Common issues may include:

- **Engine not starting:** Check fuel level, oil level, battery connection, spark plug, and choke position.
- **No power output:** Check circuit breakers, ensure the generator is not overloaded, and verify all connections.
- **CO sensor activation:** Move the generator to a well-ventilated area. The engine will shut down for 5 minutes if dangerous CO levels are detected.

SPECIFICATIONS

Specification	Value
Model Number	GF12000E-A2
Brand	VEVOR
Engine Type	4 Stroke, 500cc
Fuel Type	Gasoline, LPG, Natural Gas
Gasoline Peak Wattage	13500W
Gasoline Running Wattage	9000W
LPG Peak Wattage	12000W
LPG Running Wattage	8100W
Natural Gas Peak Wattage	11000W
Natural Gas Running Wattage	7200W
Fuel Tank Capacity	9.2 Gallons (35 L)
Runtime (50% load)	9.5 hours (Gasoline)
Ignition System	Electric Start
Item Weight	106.5 kg
Item Dimensions (L x W x H)	76L x 73W x 69.5H Centimetres

WARRANTY & SUPPORT

The VEVOR GF12000E-A2 Portable Tri-Fuel Generator is manufactured by VEVOR. For warranty information, technical assistance, or customer support, please refer to the contact details provided in your user manual or visit the official VEVOR website. You may also contact VEVOR support at 1-855-944-3571.