

HYUNDAI HY4000

Hyundai HY4000 Gasoline Generator 3.0 kW 230V Wheeled - Instruction Manual

Comprehensive guide for the use and maintenance of the Hyundai HY4000 generator.

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INTRODUCTION

This manual provides detailed instructions for the assembly, operation, maintenance, and troubleshooting of the Hyundai HY4000 gasoline generator. Please read all instructions carefully before use to ensure safe and efficient operation.

IMPORTANT SAFETY INFORMATION

Read and understand all safety instructions before operating the generator.

- **Carbon Monoxide Hazard:** Operate the generator only outdoors and away from windows, doors, and vents. Carbon monoxide is an odorless, colorless gas that can be fatal.
- **Fire Hazard:** Gasoline is highly flammable. Refuel only when the engine is off and cool. Do not smoke while refueling.
- **Electric Shock Hazard:** Do not use the generator in wet conditions. Ensure all electrical connections are secure and the generator is properly grounded.
- **Hot Parts:** The engine and muffler become extremely hot during operation. Avoid contact to prevent burns.
- **Maintenance:** Perform maintenance only when the engine is off and cool, disconnecting the spark plug to prevent accidental starting.

PRODUCT COMPONENTS

The Hyundai HY4000 generator is designed to provide reliable power. Familiarize yourself with its main components:

- **Control Panel:** Located at the front, it includes a 3-function digital display (voltmeter, frequency meter, hour meter),

power outlets, and switches.

- **Fuel Tank:** 18-liter capacity for extended runtime.
- **Engine:** 7.5 HP 4-stroke gasoline engine.
- **Alternator:** A110 model with 3.5 kVA nominal power and AVR voltage regulation.
- **Transport System:** Wheels and handles for easy portability.



Image of the Hyundai HY4000 generator, showing the front control panel, fuel tank, and wheeled transport system.

INITIAL SETUP

Follow these steps to prepare the generator for its first use:

1. Wheel and Foot Assembly

The generator comes with wheels and support feet that need to be assembled for easy transport and stability.

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Demonstration video on assembling the wheels and support feet of the generator. This video shows how to securely attach the wheels and supports to ensure the unit's mobility and stability.

2. Adding Engine Oil

Before the first start-up, it is crucial to add engine oil. Use SAE 10W-30 engine oil. The oil capacity is 0.6 liters.

1. Unscrew the oil cap/dipstick.

2. Use a funnel to slowly pour oil into the reservoir until the level indicated on the dipstick is reached (do not exceed the "H" position).
3. Screw the oil cap back on securely.

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Video illustrating the procedure for adding engine oil to the generator. It shows how to unscrew the dipstick, pour the oil, and check the correct level.

3. Adding Fuel

Add unleaded gasoline to the fuel tank. The tank capacity is 18 liters.

1. Ensure the engine is off and cool.
2. Open the fuel tank cap.
3. Slowly pour gasoline into the tank, avoiding overfilling.
4. Close the fuel tank cap securely.

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Video showing how to add gasoline to the generator's fuel tank, including opening and closing the fuel cap.

4. Battery Connection (for electric start, if applicable)

If your model includes electric start, connect the battery as follows:

1. Locate the battery and connection cables.
2. Connect the positive (+) (red) cable to the positive terminal of the battery.
3. Connect the negative (-) (black) cable to the negative terminal of the battery.
4. Ensure connections are secure.

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Video demonstrating the battery connection procedure for the generator's electric start, highlighting the positive and negative terminals.

OPERATION

1. Starting the Generator

The Hyundai HY4000 generator supports manual starting.

1. Ensure the generator is on a flat, stable surface.
2. Open the fuel valve.
3. Position the choke lever to "Choke" (if the engine is cold).
4. Turn the engine switch to "ON".
5. Pull the recoil starter handle with a quick, firm motion until the engine starts.
6. Once started, gradually move the choke lever to the "Run" position.

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Video demonstrating the manual starting procedure for the generator, including fuel preparation, choke usage, and pull starting.

2. Connecting Devices

After starting the generator, you can connect electrical devices to the available outlets (2x16A).

1. Ensure devices are turned off before connecting them.
2. Insert the device's plug into one of the AC 230V outlets.

3. Turn on the device.

3. Monitoring Operation

The control panel features a 3-function digital display to monitor operating parameters:

- **Voltmeter:** Indicates the output voltage (230V).
- **Frequency Meter:** Shows the frequency (50 Hz).
- **Hour Meter:** Records total operating hours for maintenance scheduling.

MAINTENANCE

Regular maintenance is essential to prolong the generator's life and ensure its safe operation.

1. Oil Check and Change

Check the oil level before each use. Change the oil after the first 20 hours of operation, and then every 100 hours or every 6 months.

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Video illustrating the maintenance guide for a gasoline generator, with a focus on checking and replacing engine oil.

2. Air Filter Cleaning

Clean the air filter every 50 hours of operation or more frequently in dusty environments.

1. Remove the air filter cover.
2. Remove the filter element.
3. Clean the element with compressed air or wash it with soapy water and let it dry completely.
4. Reinstall the filter element and cover.

3. Spark Plug Inspection

Inspect the spark plug every 100 hours of operation. Clean or replace it as needed.

1. Remove the spark plug cap.
2. Use a spark plug wrench to unscrew and remove the spark plug.
3. Check the electrode for wear or carbon deposits. Clean or replace if necessary.
4. Reinstall the spark plug and cap.

TROUBLESHOOTING COMMON ISSUES

Problem	Possible Cause	Solution
Engine does not start	Lack of fuel or oil; engine switch in "OFF" position; incorrect choke setting.	Check fuel and oil levels; turn switch to "ON"; adjust choke.
No power output	Overload; circuit breaker tripped.	Remove excessive load; reset circuit breaker.
Excessive smoke	Oil level too high; incorrect engine oil.	Check and adjust oil level; use recommended oil.

TECHNICAL SPECIFICATIONS

Feature	Value
Brand	HYUNDAI
Model	HY4000
Engine Power	7.5 HP
Maximum Single-Phase Power	3.5 kW
Operating Single-Phase Power	3.0 kW
Voltage / Frequency	230 V / 50 Hz
Starting Method	Manual
Fuel Tank Capacity	18 liters
Oil Capacity	0.6 liters
Autonomy at 50% Load	11 hours
Noise Level at 7 meters (50% Load)	70 dBA
Product Dimensions (L x W x H)	60 x 50 x 58 cm
Item Weight	40 kg

WARRANTY AND SUPPORT

The Hyundai HY4000 generator is covered by a standard manufacturer's warranty. For specific warranty details, including terms and conditions, please refer to the documentation provided with your product or contact Hyundai customer service. For technical assistance, spare parts, or product inquiries, please contact your authorized dealer or Hyundai customer support. Contact information is usually available in the warranty manual or on the manufacturer's official website.