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Einhell TC-IG 2000

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Model: TC-IG 2000

1. IMPORTANT SAFETY INSTRUCTIONS

Read all safety warnings and instructions carefully before operating the generator. Failure to follow these instructions may result in electric shock, fire, serious injury, or death.

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide, a colorless, odorless, poisonous gas. Operate generators outdoors only, far away from windows, doors, and vents. Never operate indoors or in enclosed spaces.
- **Fire Hazard:** Gasoline is highly flammable. Refuel in a well-ventilated area with the engine off and cool. Do not smoke or allow open flames near the generator. Store fuel in approved containers.
- **Electric Shock Hazard:** Never operate the generator in wet conditions. Ensure all electrical connections are dry and secure. Do not connect the generator directly to a building's electrical system without a transfer switch installed by a qualified electrician.
- **Hot Surfaces:** The generator engine and muffler become very hot during operation and remain hot for some time after shutdown. Avoid contact to prevent burns.
- **Children and Pets:** Keep children and pets away from the generator, especially during operation.
- **Ventilation:** Ensure adequate ventilation around the generator to prevent overheating.
- **Overload Protection:** Do not overload the generator. The unit is equipped with an overload circuit breaker.
- **Low Oil Shutdown:** The generator is equipped with a low oil safety feature that will shut down the engine if oil levels are too low. Always check oil levels before starting.

2. PRODUCT OVERVIEW

The Einhell TC-IG 2000 petrol generator is designed to provide a reliable independent power source. It features inverter technology for stable power output, making it suitable for sensitive electronic devices. This section provides a visual guide to the generator's components.



Figure 1: Overall view of the Einhell TC-IG 2000 petrol generator.



Figure 2: Detailed view of the control panel, showing USB ports, AC 230V sockets, and indicator lights for Oil, Overload, and Run status.



Figure 3: Close-up of the two 5V 2.1A USB ports for charging small electronic devices.



Figure 4: The generator features robust anti-vibration feet for stable placement and reduced noise.

Key Features:

- **Inverter Technology:** Provides clean, stable power suitable for sensitive electronics.
- **4-Stroke Petrol Engine:** Powerful and robust engine with 105.6 cm³ displacement.
- **Power Output:** 1800 W continuous, 2000 W maximum.
- **Outlets:** Two 230 V AC sockets and two 5V 2.1A USB ports.
- **Safety Features:** Overload circuit breaker and low oil safety shutdown.
- **Compact Design:** Covered housing for quiet operation and easy portability.

3. SETUP AND FIRST USE

Before starting the generator for the first time, follow these steps carefully.

1. **Unpacking:** Remove the generator from its packaging and inspect for any shipping damage. Ensure all components

are present.

2. **Placement:** Place the generator on a firm, level surface outdoors in a well-ventilated area, away from combustible materials and at least 1 meter (3 feet) from any buildings or other equipment.
3. **Add Engine Oil:**
 - Locate the oil fill cap/dipstick.
 - Unscrew and remove the dipstick.
 - Carefully add the recommended engine oil (refer to the full manual for oil type and capacity) until it reaches the upper mark on the dipstick. Do not overfill.
 - Securely replace the dipstick.
4. **Add Fuel (Gasoline):**
 - Ensure the engine is off and cool.
 - Open the fuel tank cap.
 - Fill the fuel tank with fresh, unleaded gasoline (minimum 87 octane) up to the indicated fill level. Do not overfill. The tank capacity is 4.0 liters.
 - Securely close the fuel tank cap. Wipe up any spilled fuel immediately.



Figure 5: The generator has a fuel tank capacity of 4.0 liters.

4. OPERATING INSTRUCTIONS

Follow these steps to safely start and operate your Einhell TC-IG 2000 generator.

4.1 Starting the Engine

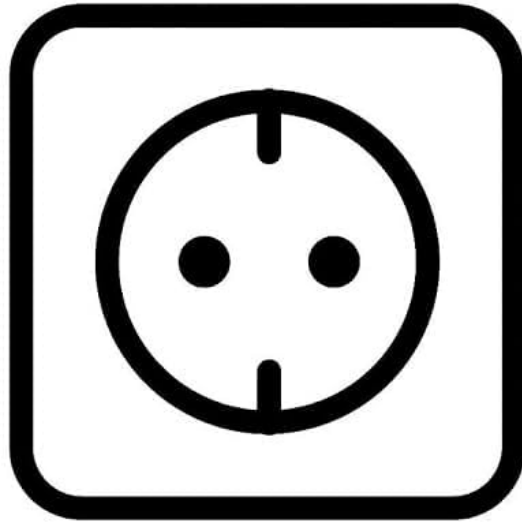
1. **Check Oil and Fuel:** Verify that the engine oil and fuel levels are adequate.
2. **Turn Fuel Valve ON:** Locate the fuel valve and turn it to the "ON" position.
3. **Set Choke:** If starting a cold engine, move the choke lever to the "CHOKE" position. For a warm engine, set it to "RUN".
4. **Set Engine Switch:** Turn the engine switch to the "ON" position.
5. **Pull Starter Cord:** Grasp the starter handle firmly and pull the cord slowly until resistance is felt, then pull quickly and smoothly. Repeat until the engine starts.
6. **Adjust Choke:** Once the engine starts, slowly move the choke lever to the "RUN" position.

4.2 Connecting Electrical Devices

The generator provides two 230V AC outlets and two USB ports.

- Ensure the generator is running stably before connecting devices.
- Plug your 230V devices into the AC sockets.
- Plug your USB devices into the 5V 2.1A USB ports for charging.
- Do not exceed the generator's rated continuous power of 1800 W. The maximum power is 2000 W for short periods.

2x230 V



1800 W
max. 2000 W

Figure 6: The generator features two 230V AC sockets, providing 1800W continuous power and 2000W maximum power.

5V 2.1A



USB

Figure 7: The USB ports provide a 5V 2.1A output for charging compatible devices.

4.3 Stopping the Engine

1. **Disconnect Devices:** Unplug all electrical devices from the generator.
2. **Turn Engine Switch OFF:** Turn the engine switch to the "OFF" position.
3. **Turn Fuel Valve OFF:** Turn the fuel valve to the "OFF" position.

5. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your generator. Always perform maintenance with the engine off and cool.

5.1 Daily/Before Each Use

- Check engine oil level.

- Check fuel level.
- Inspect for any visible damage or leaks.

5.2 Every 20 Hours or Monthly

- Change engine oil.
- Clean air filter.
- Inspect spark plug.

5.3 Every 100 Hours or Annually

- Replace spark plug.
- Clean fuel filter (if accessible).
- Inspect fuel lines.
- Check valve clearance (recommended to be done by a qualified technician).

Note: For detailed maintenance procedures, refer to the comprehensive user manual provided with your generator.

6. TROUBLESHOOTING

This section provides solutions to common operational issues. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Engine does not start	No fuel Low oil level Choke not set correctly Engine switch OFF Spark plug issue	Add fresh fuel Add engine oil Adjust choke Turn engine switch ON Inspect/clean/replace spark plug
No power output	Overload Circuit breaker tripped Device faulty	Reduce load Reset circuit breaker Test device on another power source
Engine runs rough	Stale fuel Dirty air filter Spark plug issue	Drain and refill with fresh fuel Clean/replace air filter Inspect/clean/replace spark plug
Generator shuts down during operation	Low oil level Overload Overheating	Check/add oil Reduce load Allow generator to cool down, ensure proper ventilation



Figure 8: The overload indicator will illuminate or the generator may shut down if the connected load exceeds its capacity.

7. TECHNICAL SPECIFICATIONS

Detailed specifications for the Einhell TC-IG 2000 petrol generator.

Brand	Einhell
Model Name	TC-IG 2000
Model Number	4152590
Engine Type	4-Stroke Petrol Engine
Engine Displacement	105.6 cm ³
Fuel Type	Gasoline
Tank Volume	4 Liters
Running Wattage	1800 W
Starting/Maximum Wattage	2000 W
Voltage	230 Volts
Frequency	50 Hz
Total Power Outlets	2 (AC 230V)
USB Output	2 (5V 2.1A)
Special Feature	Inverter Technology
Item Weight	21.6 Kilograms
Dimensions (L x W x H)	14.84" x 20.28" x 20.16"
Runtime (Autonomy)	Approx. 5.3 - 7 hours (depending on load)

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or spare parts, please refer to the official documentation included with your product or visit the Einhell official website. Keep your purchase receipt as proof of purchase for warranty claims.