

PETROL GENERATOR SAFETY INSTRUCTIONS

Power Limitation:

- **Avoid Overload:** Never overload the generator. Calculate the total power ratings of connected devices in kilowatts (1kW = 1000 W). The running load should be between half and two-thirds of the generator's kVA rating. When unsure, consult your local Target Tool & Plant Hire shop.

Equipment Care:

- **Respect Design Limits:** Do not exceed the equipment's design limits. If the tool cannot perform tasks with ease, assume you need a different tool for the job. Seek advice from your local Target Tool & Plant Hire shop.
- **Maintenance:** Maintain cleanliness to avoid hassle. Regular cleaning is simpler than waiting until the hire period ends.
- **Fuel and Oil Check:** Regularly check fuel and oil levels. Ensure oil levels are correct when the engine is cold and on level ground. Suitable oils are available from Target Tool & Plant Hire.

Engine Upright and Oil Alert:

- **Upright Engine Position:** Always keep the engine upright. If tipped over, clear oil and fuel spills and contact Target Tool & Plant Hire.
- **Oil Alert:** Generators turn off automatically if engine oil level drops dangerously. A warning light flickers if you attempt to restart. Top up oil level before restarting.

Finishing Off:

- **Switch Off Equipment:** Disconnect devices powered by the generator.
- **Turn Off Generator:** Move the ON/OFF switch to OFF and let the engine stop. Close the fuel tap.
- **Qualified Electrician:** If needed, have an electrician disconnect the earthing lead from the generator's earth terminal.
- **Clean and Return:** Clean the unit before returning it to Target Tool & Plant Hire.

General Safety:

- **Safety and Suitability Advice:** For advice on safety and suitability, contact your local Target Tool & Plant Hire shop.
- **Compliance and Risk Assessment:** Ensure necessary risk assessments are done before equipment use.
- **Competent Operator:** Only use this equipment if deemed competent by an employer.
- **Physical Limitations:** Able-bodied, competent adults who understand these instructions should use this equipment. Seek advice for disabilities.
- **Work Area Caution:** Keep children, animals, and bystanders away. Cordon off a NO GO area with cones and barriers or tape.
- **Personal Condition:** Do not operate when ill, tired, or under the influence.
- **Safety Gear:** Everyone in the work area must wear safety goggles.
- **Ear Defenders:** Ear defenders must be worn due to potentially harmful noise levels.
- **Protective Attire:** Wear practical, protective clothing, gloves, and suitable footwear. Avoid loose clothing, jewelry, and tie back long hair.
- **Heavy Equipment:** Do not lift the equipment alone; always get help.
- **Well-Lit and Ventilated Area:** Ensure proper lighting and ventilation in the work area.
- **Flammable Hazards:** Avoid flammable gases, liquids, and fumes.

Operational Tips:

- **Switch On and Off Mastery:** Learn how to turn the machine on and off in case of difficulty. Always wait for moving parts to stop before adjustments.
- **Exhaust Danger:** Never use petrol engines indoors or in confined spaces. Exhaust gases can be lethal.
- **Fuel Safety:** Refuel only when the engine is off and cool. No smoking or open flames. Mop up fuel spills and change clothes if necessary.

Electrical Safety:

- **Keep Dry:** Keep the generator and electrical equipment dry, sheltered from the weather.
- **Earthing Requirement:** Connect the generator's earth point when powering equipment requiring earth.
- **Switch Off:** Always turn off switches before connecting or servicing equipment powered by the generator.
- **Computers and Electronics:** If using for computers or electronics, use surge protection devices available from Target Tool & Plant Hire.

Safety Cut-Outs:

- **Circuit Breakers:** Generators have circuit breakers that cut power in case of overload. If tripped, unplug and reset the switch.

Getting Started:

- **Familiarize with Controls:** Learn all controls before starting.
- **Fuel and Oil Check:** Check fuel and oil levels on level ground.
- **Disconnect Cables:** Disconnect cables from the generator before starting.
- **Starting the Generator:** Set ON/OFF switch to ON, open fuel tap, close choke for cold start, half-close for warm engine. Pull starter cord.
- **Warm Engine Operation:** Once warmed up, fully open the choke.

Basic Techniques:

- **Voltage Options:** The generator supplies either 110V or 230V, not both simultaneously.
- **Equipment Connection:** Connect devices with proper cables and switches OFF.
- **Voltage Selection:** Choose 110V or 230V using the voltage selector switch.

Power Control:

- **Output Control:** Use the ON/OFF switch and voltage selector to control output. Some models have an OFF setting instead of a separate ON/OFF switch.