



GENERATOR - Diesel

SAFETY PRECAUTIONS & WARNINGS

It is in the interests of those operating this equipment, and for the safety of others, that these **SAFETY PRECAUTIONS & WARNINGS** are carefully read and understood before operating this equipment.

PURPOSE

1. This portable towed equipment is designed to generate electricity up to its rated current and voltage capacities.

PERSONAL SAFETY

2. This equipment is designed for operation by an able bodied adult. Anyone with either temporary, or permanent disability must seek expert advice before using it. It must not be operated by minors, or by anyone under the influence of drugs or alcohol.
3. The services of a qualified electrician will be required if you intend to employ this equipment on large installations or systems.
4. A competent and experienced person is required to operate this equipment.
5. This equipment employs the use of diesel, which can cause fire and explosion if not handled in a safe manner.
6. Before attempting to operate this equipment you must familiarise yourself with the equipment, its controls and operating characteristics.
7. Before starting your work, think and plan ahead to ensure you, and others around you, will be working in a safe environment.
8. When operating this equipment, it is recommended that the following items of Personal Protective Equipment (PPE) be worn:
 - Ear defenders giving protection for levels up to 86dB(A).

NOTE: Other types of work, or environment, may require a higher level of PPE.

OPERATING AREA SAFETY

WARNING: If used indoors or in confined spaces this equipment could cause fatal carbon monoxide poisoning. Never use it in domestic premises and if used in other indoor situations you must ensure you first assess its suitability and the ventilation required for safe use. Mechanical extraction ventilation will be required in almost every case.

9. Before commencing work, ensure that the area you are to operate the equipment in is a safe environment. Erect safety barriers and warning signs as necessary.
10. Site the equipment on firm, level ground and as far away from people as possible.
11. Make sure that the work area is clear of obstructions and hazards (projections, cables, pipes, etc.) and that no one is close by that could distract you whilst operating the equipment.
12. This equipment must be sited in a well-ventilated area to reduce the risk of inhaling hazardous toxic fumes.
13. Anybody who is working near to you will also need to wear the appropriate PPE.

14. Before commencing work, warn others who may be working in the vicinity of the equipment, to keep clear. If possible place safety barriers and signs around your work area.
15. Protect others from noise.
16. Do not use this equipment where there is a danger of igniting fumes from petrol, or gas cylinders.

BEFORE OPERATING THE EQUIPMENT

SAFETY CHECKS

17. Visually inspect the equipment for serviceability (completeness, signs of damage, undue wear, etc.). Do not use the equipment if found damaged or worn - contact the hire company immediately.
18. Before attempting to operate the equipment, familiarise yourself with the equipments controls. Make sure you understand their purpose and function.
19. This equipment may not be suitable for operating some power tools or sensitive electronic devices – check first with the hire company.
20. Before you start the equipment, you must know how to **STOP** it in an emergency.

OPERATING THE EQUIPMENT

USING THE EQUIPMENT

21. This equipment may be heavy. Do not attempt to move it on your own, enlist assistance.
22. Once sited, 'chock' both wheels.
23. The electricity supply generated from this equipment is at a level that could endanger lives, therefore, be aware of the dangers.
24. This equipment may require to be earthed and bonded – check first with a competent person.
25. Ensure all electrical connections are clean before connecting and finally securing.
26. Consult a qualified person before connecting more than one tool or distribution box.
27. If connecting extension leads to this equipment, keep the extension lengths as short as possible and clear of wet areas and site traffic.
28. Only double insulated tools should be used with this equipment. Always check the power rating of the tool to be used against the output rating of the generator – check with a competent person if necessary.
29. Some power tools emit a degree of vibration, which after prolonged contact could become harmful to the operator. Ensure hands are warm before starting the equipment and keep them warm. Take frequent breaks from using the equipment and regularly exercise the hands and wrists.
30. If the generator becomes too hot it may switch itself 'off'. Allow it to cool down before attempting to re-start it.

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31. The generator has fuses (or circuit breakers); if you suspect a fuse has 'blown', consult a competent person.
32. Stop working and switch-off the machine if someone approaches you.
33. Always switch-off the equipment before making any adjustments or connecting/disconnecting power leads.

COLLECTION & PICK-UP

53. For safety reasons this equipment requires you to use a **LORRY**.

**GENERAL INSTRUCTIONS**

34. Check for correct oil and fuel levels before you attempting to start the equipment.
35. Switch-off, or disconnect, all electrical equipment that has been connected to the generator.
36. Correctly position the engine and generator controls.
37. Hold the equipment firmly when starting to prevent it from moving.

STARTING AND STOPPING THE EQUIPMENT

Note: If the hire company has provided you with special or additional instructions, you must follow them. Otherwise, follow the instructions given below.

ELECTRIC START

38. Ensure the hand brake has been fully applied; the gear lever is in 'NEUTRAL' and that the 'STOP CONTROL' knob is pushed fully home.
39. Rotate the ignition key part way to engage the 'COLD START' device and hold it in that position for 20 seconds, then rotate the key further to start the equipment whilst keeping the throttle 'OPEN'.
40. If the equipment fails to start after a few seconds, repeat the procedure at step 39 (above) again, maintaining the key at the 'COLD START' position a few seconds longer.

Note: If the equipment has previously been running, there is no requirement to operate the 'COLD START' device.

41. To stop the engine, pull out the 'STOP CONTROL' knob, never use the 'DECOMPRESSION' lever and remove the ignition key.

REFUELLING

42. Refuel with diesel only.
43. The engine must not be running whilst refuelling. Warm engines must be allowed to cool down first.
44. Do not smoke whilst refuelling.
45. Clean the area around the fuel filler cap, then, remove it.
46. Using a clean funnel, pour diesel into the fuel tank. Care must be taken not to overfill or spill. Fuel spilt on the engine must be wiped dry, that spilt on the ground must be removed and the area covered with sand or earth. Fuel soaked clothes must be removed.
47. Replace the fuel cap securely.

SECURITY & MAINTENANCE

48. Visually check the condition of the equipment (engine, generator, cables, connections, etc.) at the start of each day.
49. Periodically check the oil and fuel levels.
50. If the equipment operates erratically, or incorrectly, do not use and do not attempt to repair it. Inform the hire company.
51. Periodically clean the equipment to ensure it is free from dust, dirt and other debris.
52. When the equipment is left unattended for long periods (i.e. overnight), ensure it is made secure (i.e. wheel clamp) to prevent unauthorised use or loss.