



PORTABLE TRANSFORMER (230V)

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 type of equipment is designed for reducing mains supplied voltage to lower, safer voltage. A transformer reduces the electric supply from 230v to 110v supply and therefore it is safer with less risk from electrical shock.

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. Electricity can be potentially dangerous, and sometimes lethal, if not used with extreme care. If the electrical equipment is not used in a safe, careful and controlled way, personal injury or injury to others may result.
4. Before attempting to operate this equipment you must familiarise yourself with the equipment and its operating characteristics.
5. Before starting your work, think and plan ahead to ensure you, and others around you, will be working in a safe environment.
6. With regard to electrical safety implications when using this equipment, see the section on '**ELECTRICAL SAFETY**' below.

ELECTRICAL SAFETY

7. Electricity is dangerous and must always be treated with due care and consideration.
8. Only 110v power tools can be used when using this type of transformer.
9. Always check the transformers power rating against that of any tool that is to be connected to it.
10. The transformers power rating is shown on its casing. 1kVA = 800watts (approximately), 2kVA = 1600watts (approximately). Check the power rating on the tools to be used and that they are within the range of the transformer.
11. To safeguard against electrical shock, always connect the transformer into a residual current device (RCD) that in turn is connected to a 230v socket.
12. Before using the equipment, press the 'RED' test button on the RCD to ensure that it is working. Re-set the RCD according to the instructions provided.
13. When routing the electrical cables, avoid immersion in liquids and trapping the cable in windows, doorways and other areas that could cause damage to the cable. Avoid laying the cable in areas that are subject to site traffic. Ensure all connections are kept dry.

OPERATING AREA SAFETY

14. 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.
15. Make sure that the work area is clear of obstructions and hazards (projections, cables, pipes, etc.).

16. Before commencing work, warn others who may be working in the vicinity of the equipment, to keep clear. If possible place safety barriers around your work area.
17. Protect others from electric shock.
18. Keep power cables clear of all traffic and route safely by avoiding sharp corners etc.
19. Do not use this equipment in the rain or where it may become wet.
20. Do not use this equipment where there is a danger of igniting fumes from petrol, or gas cylinders.

BEFORE OPERATING THE EQUIPMENT

SAFETY CHECKS

21. Visually inspect the equipment and all its accessories (transformer, cables, plugs, safety barriers, etc.) for serviceability (completeness, signs of damage, undue wear, etc.). Do not use the equipment if found damaged or worn - contact the hire company immediately.
22. Before attempting to operate the equipment, familiarise yourself with the equipments controls. Make sure you understand their purpose and function.

OPERATING THE EQUIPMENT

USING THE EQUIPMENT

23. Site the equipment on firm and level surface.
24. Only use extension cables from the 110v outlet sockets of the transformer to the 110v power tools.
25. Keep the transformer casing air vents clear to aid cooling.
26. The transformer may get hot after prolonged and continual use, be aware of the type of surface it is sited on.
27. Use portable power tools for short periods only to reduce the chance of the transformer becoming too hot.
28. If the transformer becomes too hot, it may switch itself off. Allow it to cool down, then, reset its trip switch.
29. Equipment that uses continuous power (i.e. flood lights) may not be suitable for transformer use, as transformers of this type can only supply approximately half rated power when used continuously.
30. When using a number of tools (via distribution boxes) simultaneously, be aware that their total power usage must not exceed the transformers power rating.

SECURITY & MAINTENANCE

31. Visually check the condition of the equipment at the start of each day.
32. If the equipment operates erratically, or incorrectly, do not use and do not attempt to repair it. Inform the hire company.
33. Periodically clean the equipment to ensure it is free from dust, dirt and other debris.
34. When the equipment is left unattended for long periods (i.e. overnight), ensure it is made secure to prevent unauthorized use or loss.

COLLECTION & PICK-UP

35. For safety reasons this equipment requires you to use a **VAN** or an **ESTATE**.

