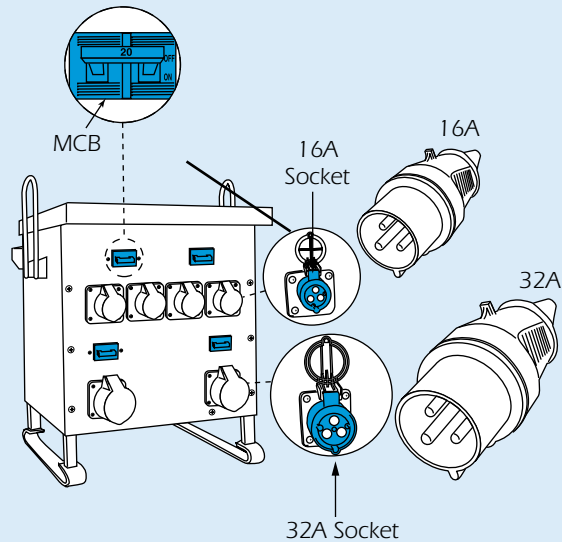


## 10kVA Site Transformer



### EQUIPMENT CARE

**Never push the equipment beyond its design limits.** If it will not do what you want with reasonable ease and speed, assume you have the wrong tool for the job. Contact your local HSS Hire Shop for advice.

**Handle the equipment with care.** Avoid dropping it, knocking it, or otherwise exposing it to damage.

**Keep the equipment clean** - you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

When not in use, **store the equipment somewhere clean, dry and safe** from thieves.

### FINISHING OFF

**Switch OFF and unplug all electrical equipment connected to the transformer. Switch OFF the power supply to the transformer, then unplug or, if required, have a qualified electrician disconnect the unit.**

**Give the unit a final clean up ready for return,** to your local HSS Hire Shop.



### ...any comments?

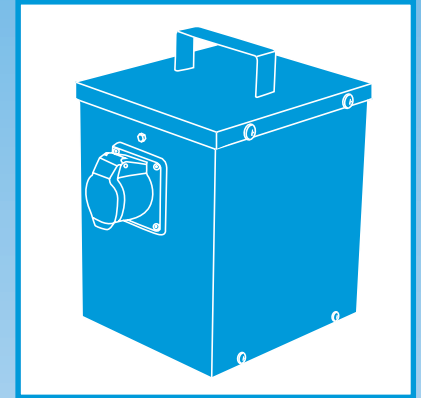
If you have any suggestions to enable us to improve the information within this guide please fax your comments or write to the Product Manager at the address below  
**Fax: 020 8687 5001**

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Group Office: 25 Willow Lane, Mitcham, Surrey CR4 4TS  
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Operating & Safety Guide 620

620/04

# HSS Hire Shops



## Transformers

Designed to convert 230V power to 110V.  
Ideal for powering equipment made for use on building sites.



Code 40103/202/3/5/10

## GENERAL SAFETY

For advice on the safety and suitability of this equipment contact your local HSS Hire Shop.


**There is a serious risk of personal injury** if you do not follow all instructions laid down in this guide.


The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.

**This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.**

**This equipment should be used by an able bodied, competent adult** who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

**Keep children, animals and bystanders away from the work area.** Cordon off a NO GO area using either cones, barriers or tape, available for hire from your local HSS Hire Shop.

 **Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.**

 **Take care as 3kVA continuous, 5kVA and 10kVA transformers are heavy** (between 42kg and 95kg), never attempt to lift one on your own, always get help.

**Never lift or move a transformer by its power supply cable.**

**Always switch OFF and unplug equipment when not in use.**

**Ensure the work area is well lit and ventilated**, if in doubt, ask about lighting and ventilation equipment at your local HSS Hire Shop.

**Make sure that everyone is warned of what you are doing.**

**Check the condition of the equipment before use.** If it shows signs of damage or excessive wear, return it to your local HSS Hire Shop.

## ELECTRICAL SAFETY


**All HSS transformers must be connected to a suitable 230V supply.** Those rated to 3kVA can simply be plugged into a standard 13amp power socket.

**Transformers rated above 3kVA must be wired directly into a suitable mains circuit by a qualified electrician.** You must only use a 30A circuit for transformers rated between 3kVA and 5kVA and a 60A circuit for those rated above 5kVA.

**Never interfere with any plugs or sockets fitted to the transformer.**

**Handle plugs and leads with care.** Never run cables through water or over sharp edges. Never run them where they are likely to trip someone over.

**Using electrical equipment in very damp or wet conditions can be dangerous.**

 **To reduce the risk of electric shock, use a suitable RCD** (Residual Current-Operated device), available from your local HSS Hire Shop.

**Never carry or pull the equipment by its power supply cable.**

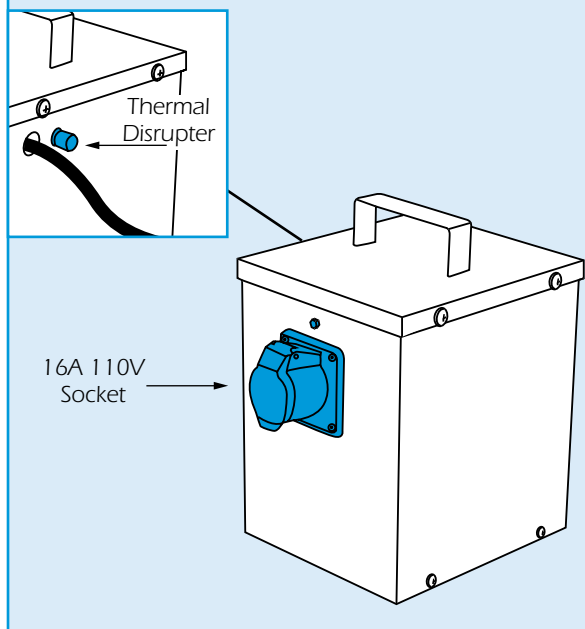
**If the equipment fails, or if a plug or lead gets damaged, return it.** Never attempt to repair it yourself.

**Never overload the electrics.** Add up the power ratings of all the equipment connected to the transformer and check that the total is less than the power rating of the transformer itself. Remember that 1kVA = 1kW = 1000 W.

**Always switch OFF and unplug electrical equipment before attempting to maintain or adjust it in any way.** Never leave electrical tools unattended while they are plugged in and switched ON.

## GETTING STARTED

### 2 and 3 kVA Metal Case Transformer



**Position the transformer in a safe place**, as close to its power supply as possible.

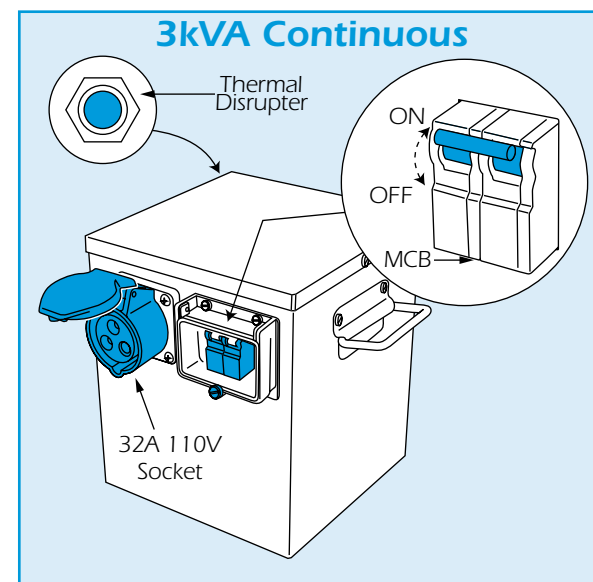
**Do not site the transformer on surfaces, which are easily scratched, stained or damaged by heat.**

**Either plug it in or have a qualified electrician connect it to a suitable supply.**

**Never connect a transformer to its power supply via an extension lead**, though you can, of course, plug extension leads into the transformers' socket outlets.

**Make sure the total supply required does not exceed the capacity of the transformers' Socket.** A 16amp 110V socket can supply up to 1700W and a 32amp, up to 3500W.

**HSS transformers are either tool rated or continuous rated.**



**If tool rated, you can power equipment up to its total rate for a maximum of 30 minutes**, after which the transformer will need to cool. If you continue to use it at full rate, the internal coils will overheat and the transformer may be permanently damaged.

**If you need to use the 'tool rated' unit continuously, the maximum power available will be 70% of its kVA rating.**

**E.G.:** 2kVA tool rated transformer can supply a maximum of 1400W of power continuously.

**Where a transformer is rated as continuous, that rating is its maximum.**

**E.G.:** 3kVA Continuous rated transformer can supply a maximum of 3000W of power continuously. HOWEVER, this does not mean that you can expect a greater amount of power in short bursts.

**Using an RCD ADAPTOR...**

**Fit 110V RCDs to the transformer's 110V outlet sockets.**

**Some models are fitted with Micro Circuit Breakers (MCBs).** If the power stops, check the MCB first. Switch OFF the supply, reset the MCB, then switch the power ON.

## Safety Cut Outs

**All HSS Transformers are protected by thermal disrupters, circuit breakers, or fuses, and comply with either British Standard BS3535 or International Standard CEE 15. Their output sockets comply with British Standard BS4343 and International Standard CEE 17.**

**If the transformer's thermal disruptor trips, allow the unit to cool before resetting. To reset simply press the reset button** (see illustration).