



TRANSFORMER

USER GUIDE

JEFKVA3.3 • JEFKVA3.DCR • JEFKVA5.0
JEFKVA10.0/S • JEFKVA10.0/3P

RoHS



www.jeffersontools.com

Safety Guidelines

Please read all safety guidelines and instructions to ensure the safe use of this product. Failure to read all the safety guidelines can result in serious injury. Keep this user guide in a safe place for later reference. Make sure you are aware of all safety requirements for the tools in operation and that this equipment is suitable for the task you wish to undertake.

It is important to perform a risk assessment before using this equipment to ensure your safety and the safety of others. Wear the correct Personal Protective Equipment (PPE) for the work being carrying out. Ensure work area is kept clear, uncluttered and well-lit to reduce the risk of accidents.

Carefully inspect the equipment before use. **Do not use the equipment** if there is any doubt about its condition. Check carefully for damage to casings, power sockets and leads.

Electrical Safety

Do not carry this equipment using the electric cord. Do not pull the cord to disconnect from mains power supply. Ensure that the cord is kept away from heat, moisture, moving parts and sharp edges. Check plug and cable are in good condition before use. Ensure the correct fuse is fitted and that input supply corresponds with that specified for this equipment. Do not modify the plug in any way.

Portable Transformers require a standard 230V 13A earthed power supply. However, 5kVA Transformers require a 22amp input current and therefore must be fitted with a 32A 230V industrial plug. You will then be able to supply the Transformer from a generator or a mains fed 32A 230V socket.

Alternatively, hard wire the input lead to a 25A motor rated fuse or "**Type D**" MCB. All connections and disconnections must only be made by a qualified electrician.

If the equipment fails, or if any part becomes damaged, return it to your local Jefferson Dealer. DO NOT repair it yourself. Do not plug the Transformer into an extension lead, only use extension leads from the Transformer. Ensure that all extension leads from the transformer are fully unwound and loosely coil all extension leads. Position them away from the equipment where they will be protected from water, sharp objects and where they will not pose a trip hazard.

Keep the equipment dry, protect this equipment from damp or wet conditions. For additional safety, an RCD should be used on both primary and secondary sides of the Transformer. Switch the power supply OFF before plugging into the mains supply.

Warning Heat Damage Risk

Never place this equipment on any surface that can be damaged by heat. All transformers, including portable transformers, work at high temperatures. These temperatures can be sufficient to melt linoleum and synthetic carpet. Severe damage will also be caused to wood rubber, plastics etc. Transformers also become very hot "off load" (i.e when not being used) and will consume electricity when connected to the mains power supply. Always disconnect from the mains supply when the equipment is not in use.

Note: Heat produced by the transformer will also be increased during periods of **intermittent use when the transformer is operated at its maximum rating** (see specification plate for details of continuous and maximum (intermittent) rating before use.)

Continuous Rating & Maximum Rating

Transformers have a continuous and maximum (intermittent) rating. These devices are designed to be used to the maximum stated rating for intermittent periods only. These periods are stated on the specification plate / label on each transformer.

For example: A 3.3kVA transformer can supply up to 3.3kW of power for a maximum of **5 minutes**, then the transformer must be rested (and isolated from the mains supply) for a further **15 minutes** before it can be reused.

Failure to "rest" the transformer as stated during periods of maximum rated use can cause the transformer to overheat resulting in potential damage and danger.

Important: *Any damage caused to the equipment by over-loading or over-heating will not be covered under warranty.*

Thermal Overload Cutout

Jefferson transformers are fitted with a thermal overload cutout which will automatically shutdown/trip the device when overheating is detected. This is a safety device for emergencies and should not be misused or used to shutdown the device on a regular basis.

The thermal cutout can be manually reset using the reset button when the equipment has had a chance to cool down.

Identifying equipment rating

Before connecting power tools or other equipment to the transformer it is important to check that the transformer is correctly rated for use. Identify the wattage for the tools you will be connecting and add them together to assess the total output power required from the transformer.

For every 1000W required from the equipment you connect you will need 1kVA output from the transformer. Never attempt to use a transformer with a lower output rating than you require.

Where a continuous supply is needed (lighting for example) you need to ensure that the load is no more than 50% of the transformer's maximum output rating.

You should also take care to ensure that the 16A and 32A sockets are not overloaded, regardless of the transformer's output specifications.

A 16A socket can supply a maximum of 1700W and a 32A socket a maximum of 3500W.

Note: *"Continuous Rated Transformers" (also called heater transformers) are designed to be run on their maximum rated output without needing intermittent rest periods.*

Limited Warranty Statement

Jefferson Professional Tools & Equipment, or hereafter "Jefferson" warrants its customers that its products will be free of defects in workmanship or material. Jefferson shall, upon suitable notification, correct any defects, by repair or replacement, of any parts or components of this product that are determined by Jefferson to be faulty or defective.

This warranty is void if the equipment has been subjected to improper installation, storage, alteration, abnormal operations, improper care, unauthorised service or repair.

Warranty Period

Jefferson will assume both the parts and labour expense of correcting defects during the stated warranty periods below.

All warranty periods start from the date of purchase from an authorised Jefferson dealer. If proof of purchase is unavailable from the end user, then the date of purchase will be deemed to be 3 months after the initial sale to the distributor.

1 Year:

All Jefferson Portable Transformers, Continuous Rated (Heater) Transformers, and Site Transformers

90 Days:

- All replacement parts purchased outside of the warranty period

Important: *All parts used in the repair or replacement of warranty covered equipment will be subject to a minimum of 90 days cover or the remaining duration of the warranty period from the original date of purchase.*

Warranty Registration / Activation

You can register and activate your warranty by visiting the Jefferson Tools website using the following address: www.jeffersonstools.com/warranty and completing the online form.

Online warranty registration is recommended as it eliminates the need to provide proof of purchase should a warranty claim be necessary.

Warranty Repair

Should Jefferson confirm the existence of any defect covered by this warranty the defect will be corrected by repair or replacement at an authorized Jefferson dealer or repair centre.

Packaging & Freight Costs

The customer is responsible for the packaging of the equipment and making it ready for collection. Jefferson will arrange collection and transportation of any equipment returned under warranty.

Important: *All equipment returned under warranty must be accompanied by a proof of purchase*

Upon inspection of the equipment, if no defect can be found or the equipment is not covered under the terms of the Jefferson warranty, the customer will be liable for any labour and return transportation costs incurred.

These costs will be agreed with the customer before the machine is returned.

Warranty Limitations

Jefferson will not accept responsibility or liability for repairs made by unauthorised technicians or engineers. Jefferson's liability under this warranty will not exceed the cost of correcting the defect of the Jefferson products.

Jefferson will not be liable for incidental or consequential damages (such as loss of business or hire of substitute equipment etc.) caused by the defect or the time involved to correct the defect. This written warranty is the only express warranty provided by Jefferson with respect to its products.

Any warranties of merchantability are limited to the duration of this limited warranty for the equipment involved.

Jefferson is not responsible for cable wear due to flexing and abrasion. The end user is responsible for routine inspection of cables for possible wear and to correct any issues prior to cable failure.

Claiming Warranty Coverage

The end user must contact Jefferson Professional Tools & Equipment (Tel: +44 (0) 1244 646 048) or their nearest authorised Jefferson dealer where final determination of the warranty coverage can be ascertained.

Step 1 - Reporting the Defect

Online Method:

- Visit our website www.jeffersonstools.com/warranty and complete the Warranty Returns form. You can complete the form online and submit it to us directly or download the form to print out and return by post.

Telephone Method:

Contact your Jefferson dealer or sales representative with the following information:

- Model number
- Serial number (usually located on the specification plate)
- Date of purchase

A Warranty Returns form will be sent to you for completion and return by post or fax, together with details of your nearest authorised Jefferson repair centre. On receipt of this form Jefferson will arrange to collect the equipment from you at the earliest convenience.

Step 2 - Returning the Equipment

It is the customer's responsibility to ensure that the equipment is appropriately and securely packaged for collection. Please ensure that you include a copy of your proof of purchase. Please note that Jefferson cannot assume any responsibility for any damage incurred to equipment during transit. Any claims against a third party courier will be dealt with under the terms & conditions of their road haulage association directives.

Step 3 - Assessment and Repair

On receipt, the equipment will be assessed by an authorised Jefferson engineer and it will be determined if the equipment is defective and in need of repair and any repairs needed are covered by the warranty policy. In order to qualify for warranty cover all equipment presented must have been used, serviced and maintained as instructed in the user manual.

Where repair is not covered by the warranty a quotation for repair, labour costs and return delivery will be sent to the customer (normally within 7 working days).

Note: If the repair quotation is not accepted Jefferson Professional Tools & Equipment will invoice 1 hour labour time at £30 per hour plus return carriage costs (plus VAT).

In cases where no fault can be found with the equipment, or, if incorrect operation of the equipment is identified as the cause of the problem, a minimum of 1 hour labour at £30 per hour plus carriage costs will be required before the equipment will be despatched back to the customer.

Any equipment repaired or replaced under warranty will normally be ready for shipment back to the customer within 7 working days upon receipt of the equipment at an authorised Jefferson Repair centre (subject to part availability). Where parts are not immediately available Jefferson will contact you with a revised date for completion of the repair.

For any further information relating to Jefferson warranty cover please call +44 (0) 1244 646 048 or send your enquiry via email to warranty@jeffersonstools.com.

EC Declaration of Conformity

We, Jefferson Professional Tools & Equipment, as the authorised European Community representative of the manufacturer, declare that the following equipment conforms to the requirements of the following Directives:

| | |
|--------------------------|-------------------------------------|
| 20011/65/EU (as amended) | RoHS |
| 2014/30/EU (as amended) | Electromagnetic Compatibility (EMC) |
| 2014/35/EU (as amended) | Low Voltage Directive |

Equipment Categories: Portable Transformers,
Continuous Rated (Heater) Transformers,
Site Transformers

Model: JEFKVA3.3 • JEFKVA3.OCR • JEFKVA5.0
JEFKVA10.0/S • JEFKVA10.0/3P

EU Member State: United Kingdom

Signed by: Stephen McIntyre 
Position in the company: Operations Director
Date: 15 July 2016

Technical document is held by: Jimmy Hemphill

Technical file holder's address as shown below:

Name and address of manufacturer or authorised representative:

IMPORTANT! SAFETY FIRST!

Before attempting to use this product please read all the safety precautions and operating instructions outlined in this manual to reduce the risk of fire, electric shock and personal injury.

Jefferson Tools, Herons Way, Chester Business Park, Chester, United Kingdom, CH4 9QR
Tel. +44 (0)1244 646 048 **Email:** sales@jeffersonstools.com

www.jeffersonstools.com