



INSTALLATION INSTRUCTIONS

HIGH POWER SITE TRANSFORMERS

Product Codes: **TRAN10-1, TRAN10-3**

Safety Warning



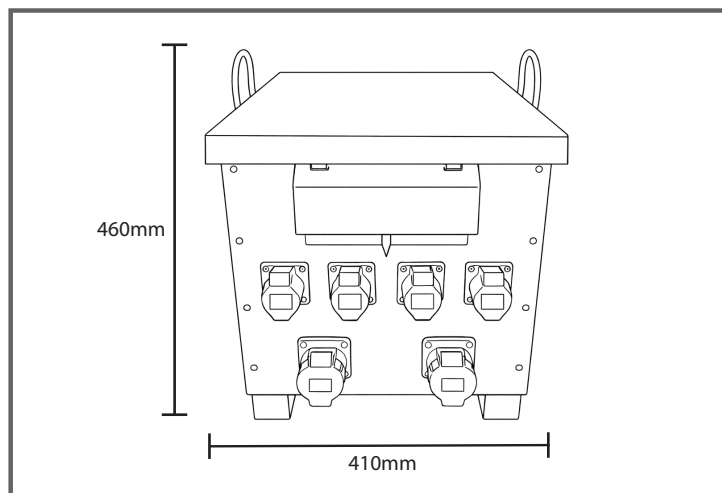
- The installation should be carried out by a qualified electrician in compliance with the current edition of the IEE Wiring Regulations.
- Prior to installation, carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control the risk
- Ensure that the circuit supply is isolated either by the circuit supply fuse being removed or the applicable circuit breaker being turned off before installation or any maintenance.
- Check the total load on the circuit ensuring the luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
- Long-term use and voltage fluctuations can reduce the life span of the fitting.
- Follow the provided installation instructions, using the fixings supplied or recommended.
- Keep out of reach of children.



Specification

Box Contents - High Power Site Transformers

Dimensions:	TRAN10-1: L: 460 x W: 410 x D: 600 mm TRAN10-3: L: 460 x W: 540 x D: 600 mm
Material:	Steel
Input:	415V AC - 50Hz (3) / 16A 230V - 50Hz • 32A
Output:	4x 110V C.T.E ~ 50Hz • 16A 2x 110V C.T.E ~ 50Hz • 32A
Maximum Rating:	10kVA (5mins on 15mins off)
Continuous Rating:	7.5kVA 7.0kVA
Power Factor:	0.93 Cos
Ingress Protection Rating:	IP22



WARNING! VERY HEAVY, MUST BE HANDLED WITH CARE!

Equipment Overview

- During use the unit will get warm and may even become very hot. This is quite normal and is not a fault with the product. The rate and degree of unit heating will depend on the appliance(s) attached and the load being drawn. It is therefore not advisable to place this unit on any surfaces that could easily be damaged. Keep the unit away from any flammable materials.
- This unit is fitted with a thermal overload cutout safety device that will operate once the unit has reached the specified cutout temperature.
- This unit is rated at 7.5kVA/7.0kVA for continuous use - please check the load rating on the appliances being attached before connecting them to the unit.
- Portable transformers are not designed for continuous use and care should be taken when connecting appliances such as flood lights or any other products that require a high, sustained output.
- The estimated continuous use is around half of it's rated power. Higher loads may result in the thermal protection overload disconnecting the power to prevent over-heating and protect the unit. This will vary depending on the environment that the unit is being used in.
- This unit is rated as Insulation Class 1.
- The earth pin of the output socket must be connected to centre point of the secondary winding and to the transformer incoming earth before use.
- This unit must only be tested as a Class 1 appliance on a PAT tester.
- Ensure that the fuse in the plug is suitably rated before use.
- It is recommended that a Type 4 MCB be fitted in the main fuse box before use.
- If in any doubt, consult a qualified electrician before connecting any appliances to this unit.

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.

OPERATION & SAFETY

- Always check the transformer case, plug, sockets and cable before use. Do not use the equipment if any damage or defect is found.
- 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.
- The transformer is an insulation Class 1 appliance, therefore the earth pin of the output socket must be connected to the centre point of the secondary winding and to the transformer's incoming earth.
- Make sure the whole cable with sheath is pressed under the plug strain relief. Connect the Brown to the plug terminal marked L, connect the Blue wire to the plug terminal marked N, and connect Green/Yellow wire to plug terminal marked E.
- Ensure the transformer rating is adequate for the power tool to be used. The transformer will be able to supply portable tools, in normal use, up to the rating shown on the outer casing. The continuous rating
- Power tool transformers have an inherent high inrush current. Any circuit breakers should have a type 4 or D type curve. will be approximately 50% of the intermittent rating dependent upon the operating conditions.
- The transformer is fitted with an overload circuit breaker, should it be triggered, allow the transformer to cool down, and then gently reset the trip before using it again.
- 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.
- This transformer is 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.
- If you do not understand or have any problems with any of the above points, please consult your supplier or a qualified electrician. All repairs to the transformer unit must be carried out by a fully qualified electrician.

Warranty

This product is covered by a 1 year warranty from the date of purchase. The warranty is invalid in the case of improper use, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the I.E.E. Wiring Regulations (BS7671). Should this product fail during the warranty period it will be replaced free of charge, subject to correct installation and return of the faulty unit. We do not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. We reserve the right to alter specification without prior notice.

Maintenance

- This unit will require routine cleaning, if used in adverse (dust, paint, oils, welding etc) environments. Do not use solvents, aggressive detergents or abrasives.
- When this unit comes to the end of it's life or you choose to replace it, please do not dispose of it with your normal household waste. Please recycle where the facilities exist, check with your local authority for suitable options.

NPD / SITE LIGHTING / TRAN10