



# 110V KVA SINGLE PHASE PORTABLE TRANSFORMERS

MODEL NO'S: **WST1500, WST3000, WST5000**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to  
Instruction  
Manual



Wear Protective  
Gloves



Isolating  
Transformer



Warning:  
Electricity



Warning:  
Hot surface

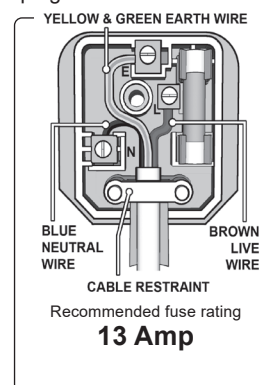
## 1. SAFETY

### 1.1. ELECTRICAL SAFETY

- WARNING!** It is the user's responsibility to check the following:  
Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage. Sealey recommend that an RCD (Residual Current Device) is used with all electrical products. You may obtain an RCD by contacting your local Sealey stockist.  
If the product is used in the course of business duties, it must be maintained in a safe condition and routinely PAT (Portable Appliance Test) tested.

**Electrical safety information, it is important that the following information is read and understood.**

- 1.1.1. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- 1.1.2. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.
- 1.1.3. **Important:** Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating in these instructions.
  - × **DO NOT** pull or carry the appliance by the power cable.
  - × **DO NOT** pull the plug from the socket by the cable.
  - × **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or replaced immediately by a qualified electrician.
- 1.1.4. This product is fitted with a BS1363/A 13 Amp 3 pin plug.  
If the cable or plug is damaged during use, switch the electricity supply off and remove from use. Ensure that repairs are carried out by a qualified electrician.  
Replace a damaged plug with a BS1363/A 13 Amp 3 pin plug. If in doubt contact a qualified electrician.
  - a) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.
  - b) Connect the BROWN live wire to the live terminal 'L'.
  - c) Connect the BLUE neutral wire to the neutral terminal 'N'.Ensure that the cable outer sheath extends inside the cable restraint and that the restraint is tight. Sealey recommend that repairs are carried out by a qualified electrician.



### 1.2. GENERAL SAFETY

- WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this transformer.
- ✓ Familiarise yourself with the application and limitations of the transformer, as well as the potential hazards.
- WARNING!** Disconnect the transformer from the mains power before performing any maintenance.
- ✓ Maintain the transformer in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use genuine parts only. Non-authorised parts may be dangerous and will invalidate the warranty.
- WARNING! DO NOT** connect to mains if any parts are damaged or missing as this may cause failure and/or personal injury.
- ✓ Keep the transformer clean for best and safest performance.
- ✓ Keep children and unauthorised persons away from the working area.
- × **DO NOT** use the transformer for any purpose other than that for which it is designed.
- × **DO NOT** exceed the rated capacity of the transformer.
- × **DO NOT** allow untrained persons to use the transformer.
- × **DO NOT** use the transformer when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- × **DO NOT** pull the plug from the power supply by the cable.
- ✓ When not in use unplug from the mains power supply and store in a safe, dry, childproof area.

## 2. INTRODUCTION

110V Transformer with tool rated performance suitable for intermittent running of power tools and continuous running of lighting products within specified capacity. IP44 Rated unit with case manufactured from GRP and insulated to class H. Fitted with thermostatic overload protection.

**WST1500:** Supplied with 2 x 16A/110V sockets and 230V 13A plug.

**WST3000:** Supplied with 2 x 16A/110V sockets and 230V 13A plug.

**WST5000:** Supplied with 2 x 16A + 1 x 32A/110V sockets and 230V 13A plug.

### 3. SPECIFICATION

MODEL NO:	WST1500	WST3000	WST5000
Continuous rating (VA)	900	1650	2800
Output Sockets	2 x 16A	2 x 16A	2 x 16A 1 x 32A
Input:	230V ~ 50HZ		
Output:	2 x 110V ~ 16A	2 x 110V ~ 16A 1 x 110V ~ 32A	
Power Factor:	0.93 COSφ		
IP Rating:	IP54	IP44	
Average Temperature:	ta: 20 - 30°C		
Earth Type:	Centre Tapped to Earth		
Intermittent Duty:	5min on/30min off		

### 4. OPERATION

- 4.1. Check the equipment rating and operation against the transformer rating. The transformer will supply intermittently used equipment up to the plate rating but if the equipment is used continuously then the transformer rating should be reduced see section 3.
- 4.2. It is normal for the transformer to get warm during use, particularly if being used continuously, so care should be taken to place only on surfaces that will not be damaged by the heat.
- 4.3. A temperature sensitive cut-out switch is fitted to prevent overheating. If this switch trips, determine and rectify the cause of overheating and allow time for the transformer to cool before pressing the reset button. (Located on one of the sides adjacent to the output sockets).
- 4.4. The transformer should be plugged directly into a 230V mains socket and should not be supplied via an extension lead. Any necessary extension lead should be between the transformer and the tool/equipment. Extension leads are available from your Sealey stockist.  
**IMPORTANT:** The transformer is not double insulated and the safety screen between primary (230V) and secondary (110V) windings is connected to the earth core of the power cable. For these reasons it is extremely important to confirm that the power socket to be used is reliably and permanently earthed.
- 4.5. Tool transformers can draw a very high initial current when switched on. If fuse failure occurs at switch-on check that the fuse is a 13 amp, anti-surge type. Any circuit breaker protecting the supply socket should have a suitable tripping characteristic.  
\* **DO NOT** exceed 1.5kV when flash testing.
- 4.6. A plug suitable for the transformer output is available from your Sealey stockist.



#### WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.



#### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 12 months from purchase date, proof of which is required for any claim.



REGISTER YOUR PURCHASE HERE

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