

# ENERGER



## SAFETY AND OPERATING MANUAL

Original Instructions 5.0

2000W HEAT GUN ENB467HTG

# ENERGIZER

Read all safety warnings and all instructions before use. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

## GENERAL SAFETY INSTRUCTIONS

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

### CAUTION!

If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

## SPECIAL SAFETY INSTRUCTIONS

This product is not designed for industrial or trade applications. Do not use the appliance to perform applications for which it is not designed.

1. A fire may result if the appliance is not used with care, therefore :
  - be careful when using the appliance in places where there are combustible materials;
  - do not apply to the same place for a long time;
  - do not use in presence of an explosive atmosphere;
  - be aware that heat may be conducted to combustible materials that are out of sight;
  - place the appliance on its stand after use and allow it to cool down before storage;
  - do not leave the appliance unattended when it is switched on.
2. Do not point the hot air steam at people or animals.
3. Do not touch the hot nozzle. Wear protective gloves.
4. Ensure that in all cases that the unit is completely cooled before storing.
5. Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.
6. Fully unwind extension cords to avoid potential overheating.
7. When an extension cord is required, please ensure it has the correct ampere rating for the power tool and that it is in a safe electrical condition.
8. Ensure the supply voltage is same as rating voltage.
9. The tool is double insulated for additional protection against a possible electrical insulation failure within the tool.

## **Emergency**

**Familiarise yourself with the use of this product by means of this instruction manual. Memorise the safety directions and follow them to the letter. This will help to prevent risks and hazards.**

1. Always be alert when using this product, so that you can recognise and handle risks early. Fast intervention can prevent serious injury and damage to property.
2. Switch off and disconnect from the power supply if there is any malfunction. Have the product checked by a qualified specialist and repaired, if necessary, before you put it into operation again.

## **Residual risks**

Even if you are operating this product in accordance with all the safety requirements, potential risks of injury and damage remain. The following dangers can arise in connection with the structure and design of this product:

1. Health defects resulting from vibration emission if the product is being used over long periods of time or not adequately managed and properly maintained.
2. Injuries and damage to property due to broken application tools or the sudden impact of hidden objects during use.
3. Danger of injury and property damage caused by flying objects.

## **WARNING!**

This product produces an electromagnetic field during operation! This field may under some circumstances interfere with active or passive medical implants! To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their doctor and the medical implant manufacturer before operating this product!

## **Important note**

Be sure the supply is the same as the voltage given on the rating plate. Remove the mains plug before carrying out any adjustment or servicing.

## **Intended use**

The unit is intended for the forming and welding of plastic, removal of paint and the warming of heat shrinkable tubing. It is also suitable for soldering and tinning, loosening of adhesive joints and the defrosting of water lines.

## SYMBOLS

The symbols shown on the product has great significance for the safe use of the product.



WARNING - To reduce the risk of injury, user must read the instruction manual



Wear respiratory protection  
Wear safety gloves



Double insulation Class II



Conforms to all relevant safety standards.

yyWxx Manufacturing date code:  
Year of manufacturing (20yy) and week of manufacturing (Wxx);

## Components and controls



- 1 Nozzle
- 2 On/off switch/air flow and temperature regulator
- 3 Main handle
- 4 Air vents
- 5 Concentration nozzle
- 6 Flat nozzle
- 7 Hook nozzle
- 8 Glass protection nozzle

## TECHNICAL DATA

Model	ENB467HTG
Rated voltage	230-240V~50 Hz
Rated power	2000W
Operating mode 1	450°C/300 l/min
Operating mode 2	600°C/500 l/min
Weight	0.72kg

## ACCESSOIRES

The machine comes with the following accessories :

- 1 pc glass protection nozzle
- 1 pc flat nozzle
- 1 pc Hook nozzle
- 1 pc Concentration nozzle

## BEFORE USE

Before starting the job it is advisable to test the workpiece for the ideal temperature to use. The description below gives an indication of the likely heat settings required but always start with the low heat setting.

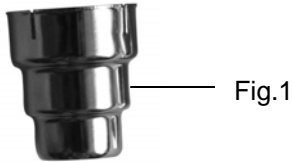
The distance between the nozzle and the workpiece will vary according to the material being worked on but this should always be at least 50mm or more on either heat setting.

All applications, with the exception of removing paint from the window frames, can be performed without using a nozzle; however for best results nozzles are recommended.

## Operating instructions

### 1. NOZZLES

The kit is supplied with 4 different shaped nozzles, which can be used as follows:



1. Concentration nozzle (See Fig.1)

This nozzle directs a concentrated heat flow to the workpiece. It is ideal for use when removing paint in awkward corners, crevices, moulding, beading, architraves or whenever precise paint removal is required.



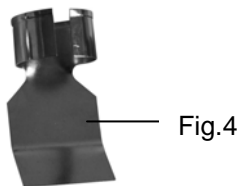
2. flat nozzle (See Fig.2)

This nozzle directs a long narrow heat pattern to the workpiece, and is ideal for removing paint or varnish from large flat surfaces such as skirting boards, doors, stairs etc. It should be used in conjunction with a flat scraper. Vinyl tiles can be removed by softening the tile and adhesive.



3. glass protection nozzle (See Fig.3)

This nozzle deflects the heat away from glass or other fragile areas and back onto the workpiece.



4. Hook nozzle (See Fig.4)

This nozzle disperses the heat flow evenly around the whole workpiece. It is ideal for defrosting frozen pipes, soldering pipe work, bending plastics and heat-shrinking electrical parts.

To connect the nozzle to the machine, just push the nozzle firmly over the nozzle on the tool.

#### Attention:

Don't touch the nozzle, and always use the gloves!

### 2. SWITCHING ON/Off(Fig.5)

Switching on:

To put into operation, slide the switch to position 1,2 .

Switching off:

To switch off, slide the on/off switch to the stop at position 0.





### 3. THERMO-PROTECTION SWITCH-OFF

When the heater is overloaded (e.g. as a result of restricted air flow), the unit switches it off automatically, however, the blower continues to run. When the unit has cooled to operating temperature, the heater is switched on again.

### 3. SETTING THE AIR FLOW AND TEMPERATURE (Fig.5)

The switch can be set to two blower steps. Suitable air flow and temperature combinations can be selected according to the applications.

I =450°C 300l/min

II =600°C 500l/min

The air setting 1 is suitable for Bending Plastic and heating shrinking plastic.

The air setting 2 is suitable for stripping paint and defrosting pipes.

**Note:** The ideal temperature should first be ascertained by performing a test. You should start with a low temperature setting. The working temperature can vary depending on the properties of the workpiece. The distance between the nozzle and workpiece is dependent on the material to be processed.

## **REMOVING PAINT**

Choose the required nozzle and fit onto the heat outlet. Select the scraper or shave hook required. Hold the gun with the nozzle approximately 50mm (2inch) from the surface of the paintwork and start with the lower heat setting move it slowly backwards and forwards until the paint blisters and bubbles. Immediately remove the paint with the scraper or shave hook. Aim to heat the paint just ahead of the scraper so that you can develop a continuous action. Do not heat the paint for too long, as this will burn the paint making it difficult to remove. Most stickers can also be removed from paintwork by using the heat to soften the adhesive. Be careful not to direct the heat for too long if you are trying just to remove the stickers, as this will blister the paint.

## **REMOVING PAINT FROM WINDOW FRAMES**

Always use the glass protection nozzle. Ensure you have the nozzle facing the correct way to deflect the heat away from the glass before you switch on. Rotate the gun or nozzle 90° as you move to horizontal or vertical bead. Allow nozzle to cool before attempting to turn it. Paint can be removed from profile surfaces by using a shave hook and/or a soft wire brush.

**WARNING: Glass can break easily.**

## **DEFROSTING FROZEN PIPES**

Choose the Hook nozzle and fit over the heat outlet. Always heat from one or other end of the frozen portion, not from the middle.

**WARNING: Do not attempt to defrost PVC pipes. Always check that it is a water pipe and not a gas pipe. Do not heat a gas pipe.**

## **SHRINK SEATING ELECTRICAL CABLES**

Choose the Hook nozzle and fit over heat outlet. Select a heat-shrinkable sleeve with a diameter matching that of the workpiece. Evenly heat the sleeve.

## **BENDING PLASTIC TUBE**

Choose the Hook nozzle and fit over heat outlet. Turn the gun upside down and place on its clip stand so that it is resting on a secure bench with the nozzle pointing upwards, see picture. To avoid buckling or kinking the tube, fill the tube with dry sand and seal at both ends. Heat the tube evenly by moving from side to side and bend to required shape.

## CARE AND MAINTENANCE

Keep the ventilation openings clear and clean the product regularly. This machine requires no special mechanical maintenance such as greasing the bearings.

If something unusual occurs during use, switch off the supply and disconnect the plug. Inspect and repair the tool before using it again. The repairs must be carried out by a qualified technician.

### **Repair of the tool must only be carried out by a qualified repair technician.**

Repair or maintenance by unqualified personnel can lead to a risk of injury.

Use only identical spare parts for repairing a tool.

### **Caution!**

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

### **Care and cleaning**

Cleaning of plastic parts is disconnected machines, using a soft damp cloth and a mild soap.

Never immerse the machine and do not use detergent, alcohol, petrol, etc..

In case of problems or for a deep cleaning, consult the manufacturer, its service agent or a similarly qualified person to avoid a hazard.

## STORING

Store the machine, operating instructions and where necessary the accessories in the original packaging. In this way you will always have all the information and parts ready to hand.

Pack the device well or use the original packaging in order to avoid transit damage.

Always keep the machine in dry place.

## GUARANTEE

This ENERGER product carries a guarantee of 12 months.

If your product develops a fault within this period, you should, in the first instance contact the retailer where the item was purchased.

This guarantee specifically excludes losses caused due to:

- Fair wear and tear
- Misuse or abuse
- Lack of routine maintenance
- Failure of consumable items
- Accidental damage
- Cosmetic damage
- Failure to follow manufacturer's guidelines
- Loss of use of the goods This guarantee does not affect your statutory rights.

This guarantee is only valid in the UK. For any enquiries relating to the guarantee please refer to your retailer.

## ENVIRONMENTAL PROTECTION



This product is marked with the selective sorting symbol on waste electrical and electronic equipment. This means that this product should not be disposed of with household waste but must be supported by a collection system in accordance with Directive 2002/96/EC. It will then be recycled or dismantled to minimize impacts on the environment, electrical and electronic products are potentially hazardous to the environment and human health due to the presence of hazardous substances.

## PLUG REPLACEMENT (UK & IRELAND ONLY)

If you need to replace the fitted plug then follow the instructions below.

### IMPORTANT

The wires in the mains lead are colored in accordance with the following code:

**BLUE = NEUTRAL**

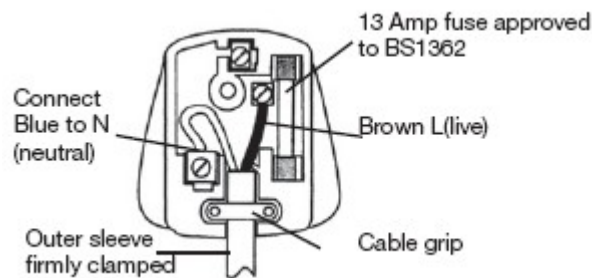
**Brown = Live**

As the colors of the wires in the mains lead of this appliance may not correspond with the colored markings identifying the terminals in your plug, proceed as follows. The wire which is colored blue must be connected to the terminal which is marked with N. The wire which is colored brown must be connected to the terminal which is marked with L.

### Warning:

Never connect live or neutral wires to the earth terminal of the plug. **Only fit an approved 13AMP BS1363/A plug and the correct rated fuse.**

**Note:** If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.





**Declaration of Conformity**

We, Importer  
**Powersmith (UK) LTD.**  
Trade house, Mead Avenue, BA22 8RT

Declare that the product:  
**Designation: HEAT GUN 2000W**  
**Model: ENB467HTG**

Complies with the following Directives:  
**2004/108/EC** Electromagnetic Compatibility Directive  
**2006/95/EC** Low Voltage Directive  
**2011/65/EU** Restrictions of the Use of Certain Hazardous Substances in  
Electrical and Electronic Equipment  
**2002/96/EC and 2003/108/EC** Waste Electrical and Electronic Equipment  
(WEEE)

Standards and technical specifications referred to:

**EN 55014-1**  
**EN 55014-2**  
**EN 61000-3-2**  
**EN 61000-3-3**  
**EN60335-1**  
**EN60335-2-45**  
**EN62233**

Authorised Signatory and technical file holder

Date : 17/09/2012

Signature: P.C. Harries



Name / title: Peter Harries / Quality Manager  
Powersmith (UK) LTD. Trade House , Mead Avenue , BA22 8RT

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