

# CLAMPBO®



## LOG SPLITTER

MODEL NO: LOGBUSTER 6

PART NO: 3402035

## OPERATION & MAINTENANCE INSTRUCTIONS



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## INTRODUCTION

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Thank you for purchasing this CLARKE product.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

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## GUARANTEE

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This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

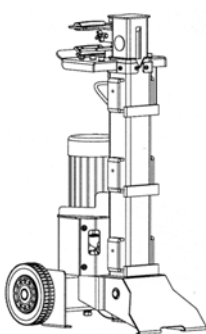
Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

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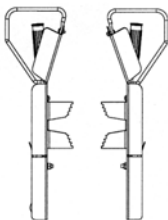
## IN THE BOX

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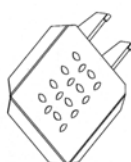
A

A Log splitter frame



B

B Control arms



C

C Support table



D

D User guide

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# CONTENTS

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Introduction .....	2
Guarantee .....	2
In the box .....	2
Contents.....	3
General safety rules .....	4
Additional safety rules for log splitters .....	5
Safety symbols .....	7
Electrical connections.....	8
Identification of parts .....	9
Assembly .....	10
Operation .....	12
Maintenance.....	16
Troubleshooting .....	17
Disposal .....	17
Specifications .....	18
Parts and servicing.....	18
Declaration of conformity.....	19

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# GENERAL SAFETY RULES

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**WARNING: READ ALL INSTRUCTIONS. FAILURE TO FOLLOW ALL INSTRUCTIONS LISTED BELOW MAY RESULT IN ELECTRIC SHOCK, FIRE AND/ OR SERIOUS INJURY. SAVE THESE INSTRUCTIONS.**

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## WORK AREA

1. **Keep the work area clean and well lit.** Cluttered and dark areas invite accidents.
2. **Do not operate log splitters in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Log splitters create sparks which may ignite the dust or fumes.
3. **Keep children and bystanders away while operating the log splitter.** Distractions can cause you to lose control.
4. **The surface must be perfectly level to prevent the machine from moving during operation.**

## ELECTRICAL SAFETY

1. **The log splitters plug must match the outlet. Never modify the plug in any way.** Unmodified plugs and matching outlets will reduce risk of electric shock.
2. **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
3. **Do not expose log splitters to rain or wet conditions.** Water entering a log splitters will increase the risk of electric shock.
4. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the log splitter. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
5. **When operating the log splitter outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
6. **Do not leave the log splitter unattended when plugged in to the mains supply.**

## PERSONAL SAFETY

1. **Stay alert, watch what you are doing and use common sense when operating a log splitter. Do not use the log splitter while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating log splitters may result in serious personal injury.
2. **Use safety equipment. Always wear eye protection.** Safety equipment such as non-skid safety shoes, close fitting clothing and suitable work gloves should always be used.
3. **Avoid accidental starting. Ensure the switch is in the off position before plugging in.**
4. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the log splitters in unexpected situations.
5. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.

## USAGE AND CARE

1. **Do not force the log splitter.** It will do the job better and safer at the rate for which it was designed.
2. **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the log splitter.** Such preventive safety measures reduce the risk of starting the log splitter accidentally.
3. **Store the log splitter out of the reach of children and do not allow persons unfamiliar with log splitters or these instructions to operate the log splitter.** Log splitters are dangerous in the hands of untrained users.
4. **Maintain the log splitter. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the log splitters operation. If damaged, have the log splitter repaired before use.** Many accidents are caused by poorly maintained power tools.
5. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

## SERVICE

1. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

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## ADDITIONAL SAFETY RULES FOR LOG SPLITTERS

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Extra special care is required when using this powerful tool to safeguard yourself and that of others around you.

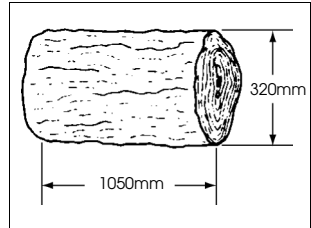
1. Never tamper with the log splitter or attempt to operate the machine without covers. Do not allow split logs to accumulate, always clean up as you work, accumulated split logs and wood chips can create a hazardous work environment.
2. The operator must operate the machines' controls with both hands without using other makeshift systems, i.e. wedging control levers down etc.
3. The machine must only be used by one operator. The machine must be used by adults only.
4. Check that the logs being split are free from nails or wire, which may fly up or damage the machine. The ends of the logs must be cut square. Branches must be cut off flush with the trunk.
5. Never attempt to split two logs at once; one may be ejected with possibly serious damage.
6. Split wood in the direction of the grain. Do not attempt to split a piece of wood across the grain as this could damage the machine.
7. Do not attempt to load the log in to the machine whilst the log splitter is in motion.
8. Keep your hands well away from any splits and cracks which open in the log.
9. Never leave the machine unattended while it is running. If you leave the machine, even for a short time, disconnect it from the power supply.
10. Never use the machine whilst under the influence of alcohol, drugs, medicines, or when you are tired. A clear mind is essential for safety.
11. Always disconnect the power cable when not in use, when carrying out maintenance work or when moving the machine.

12. Never use the log splitter if it is damaged or if it needs servicing.
13. Before starting work, check correct functioning of all the safety devices and check for soundness of welded joints, securing nuts & bolts.

## SIZE OF THE LOGS BEING SPLIT

The image on the right shows the maximum log size that can be split.

- Do not attempt to split a log for longer than 5 seconds as the pump may be damaged by the oil overheating. This could occur when the wood being split is excessively fibrous, knotty or wet, green wood.



**NOTE:** A small log can be difficult to split if it has knots or a particularly tough fibre.

- It is better to stop and rotate the log by 90°, to see whether it can be split along a different plane.
- Not being able to split the log within 5 seconds, indicates that its hardness exceeds the capacity of the machine and it should therefore be discarded so as not to cause damage/injury.

# SAFETY SYMBOLS



**READ  
INSTRUCTIONS  
BEFORE USE**



**WEAR  
SAFETY  
GLASSES**



**WEAR  
PROTECTIVE  
GLOVES**



**WEAR  
PROTECTIVE  
BOOTS**



**DANGER OF CUTTING  
OR CRUSHING OF  
THE HAND**



**ALWAYS PAY ATTENTION  
TO THE MOVEMENT OF  
THE MACHINE**



**PROTECT YOUR HANDS**

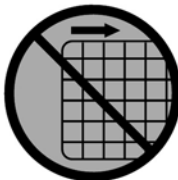


**DISCONNECT POWER  
WHEN NOT IN USE**



**THIS MACHINE MUST ONLY BE  
OPERATED BY ONE PERSON**

**KEEP VISITORS  
& CHILDREN A  
SAFE DISTANCE  
AWAY FROM  
THE WORK  
AREA WHILST  
IN OPERATION**



**INSPECT THE LOG BUSTER BEFORE  
USE FOR ANY DAMAGE ETC**



**PROTECT THE ENVIROMENT**

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# ELECTRICAL CONNECTIONS

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Connect the mains lead to a standard, 230 Volt (50Hz) electrical supply through an approved 13 amp BS 1363 plug, or a suitably fused isolator switch.




**WARNING: THIS APPLIANCE MUST BE EARTHED**

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**IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:**

Green & Yellow	-	Earth
Blue	-	Neutral
Brown	-	Live

As the colours of the flexible lead of this appliance may not correspond with the coloured markings identifying terminals in your plug proceed as follows:

- Connect GREEN & YELLOW cord to terminal marked with a letter "E" or Earth symbol " " or coloured GREEN or GREEN & YELLOW.
- Connect BROWN cord to terminal marked with a letter "L" or coloured RED.
- Connect BLUE cord to terminal marked with a letter "N" or coloured BLACK.

If this appliance is fitted with a plug which is moulded onto the electric cable (i.e. non-rewireable) please note:

1. The plug must be thrown away if it is cut from the electric cable. There is a danger of electric shock if it is subsequently inserted into a socket outlet.
2. Never use the plug without the fuse cover fitted.
3. When replacing a detachable fuse carrier, ensure the correct replacement is used (as indicated by marking or colour code).
4. Replacement fuse covers can be obtained from your local dealer or most electrical stockists.

## FUSE RATING

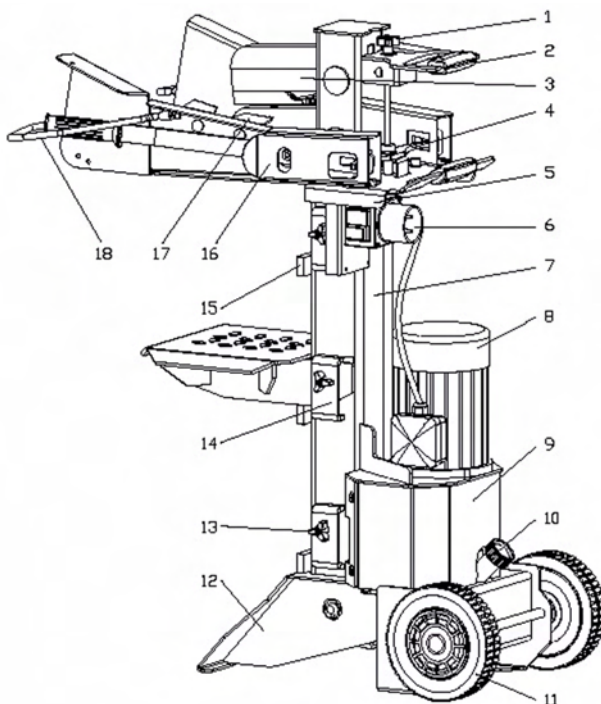
The fuse in the plug must be replaced with one of the same rating (13 amps) and this replacement must be ASTA approved to BS1362.

We strongly recommend that this machine is connected to the mains supply via a Residual Current Device (RCD)

If in any doubt, consult a qualified electrician. DO NOT attempt any repairs yourself.



## IDENTIFICATION OF PARTS

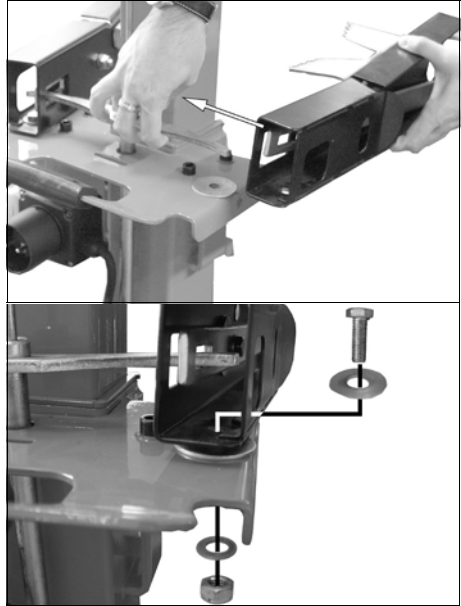


No	Description	Part number	No	Description	Part number
1	Ram travel adjusting rod	LGLOGB601	10	Oil tank cover / air bleeder	LGLOGB610
2	Transport handle	LGLOGB602	11	Wheels	LGLOGB611
3	Split wedge	LGLOGB603	12	Base	LGLOGB612
4	Control levers connection bracket	LGLOGB604	13	Star knob	LGLOGB613
5	Top motor shield	LGLOGB605	14	Side bracket for support table	LGLOGB614
6	Plug & switch	LGLOGB606	15	Table lock down hook	LGLOGB615
7	Ram	LGLOGB607	16	Control lever guard	LGLOGB616
8	Motor	LGLOGB608	17	Log holder	LGLOGB617
9	Base cover	LGLOGB609	18	Control lever	LGLOGB618

# ASSEMBLY

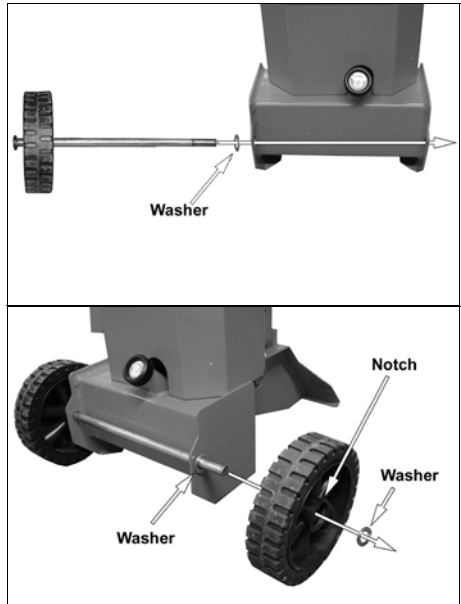
## FITTING THE CONTROL ARMS

1. Position the control lever into the side of the arm assembly as shown.
  - Make sure the control lever goes into the slot on the arm assembly.
2. Lock the arm assembly in to position with the bolt, large washer, small washer and nut supplied.
3. Follow the same steps to install the other arm assembly.



## FITTING THE WHEELS

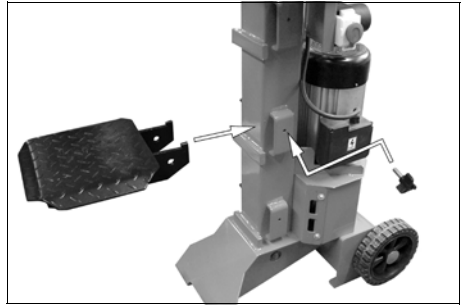
1. Slide one of the wheels onto the axle followed by a washer.
2. Slide the axle through the holes on the frame as shown on the right.
3. Slide on a second washer and then the second wheel onto the axle.
  - Make sure the wheel is on, the right way round (the notch indicated should be facing outwards).
4. Add a final washer and secure using the split pin provided.



## FITTING THE SUPPORT TABLE

There are 3 positions available for the support table to accommodate different log lengths.

1. Insert the support table arms into both side brackets.
2. Insert the star knob to lock the support table into position.
  - The star knob can be fitted on either side of the bracket.



## MOVING THE LOG SPLITTER

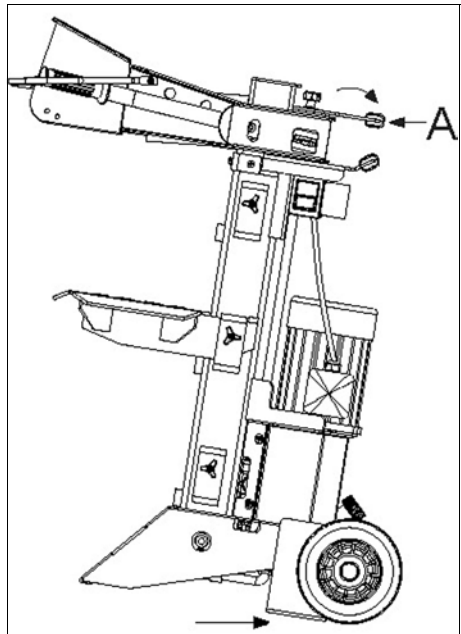


**CAUTION: BEFORE MOVING THE LOG SPLITTER, MAKE SURE THE OIL TANK COVER / AIR BLEEDER IS FULLY TIGHTENED TO AVOID OIL LEAKAGE.**

To move the log splitter to the work site.

1. Make sure the oil tank cover / air bleeder is fully tightened.
2. Grasp handle (A) and tilt the log splitter towards you slightly.

Never try to lift the log splitter by handle (A).



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# OPERATION

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## PREPARATION

- Plan your work before hand. Have your logs positioned where they can be easily reached.
- Route the cord from the power source to the splitter in a way that safeguards against tripping on the cord, or the cord becoming damaged during the work session. Protect the power cord from impact, tugging or contact with corrosive materials.

## LOGS

- When cutting up limbs and large sections, do not cut sections any longer than 1050 mm.
- Do not attempt to split green logs. Dry, seasoned logs split much more easily, and will not jam as frequently as green wood.
- Make sure the logs do not twist, rock or slip while being split.
- Break log in the direction of its growing grain.
- Do not attempt to split 2 logs at the same time. One of them may fly up and hit you.

## BLEED THE HYDRAULIC SYSTEM

Before operating the log splitter, the oil tank cover / air bleeder should be loosened by 2-3 turns until air can go in and out of the oil tank smoothly.

- Air flow through the oil tank cover / air bleeder hole should be detectable when the log splitter is in operation.

Before moving the log splitter, make sure the oil tank cover / air bleeder is tightened to avoid oil leakage.



**WARNING: FAILURE TO DO THIS WILL CAUSE PERMANENT DAMAGE TO THE LOG SPLITTER.**

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## INSERT THE MAINS LEAD

1. Insert the adapter plug into the socket shown on the right.
2. Insert the mains plug into the mains power supply and switch on.



## TURNING THE LOG SPLITTER ON/OFF

While operating under extremely low temperature, turn on the log splitter on 15 minutes before use to preheat the hydraulic oil.

1. Lift up the flap on the switch housing to access the on/off buttons.
2. Press the ON button (1) to turn the logbuster on.
3. Press the OFF button (0) to turn the logbuster off.
4. In an emergency, press the red button on the outside of the switch housing.



## CHECK THE SAFE OPERATION OF THE LOG SPLITTER

1. Lower both control levers.
  - Splitting wedge will begin to lower.
2. Release either of the levers.
  - Splitting wedge should remain in position.
3. Release both levers.
  - The ram should rise to its original position.

## SPLITTING A LOG

**This log splitter is designed to be operated by one person only** and requires two handed operation by the user -

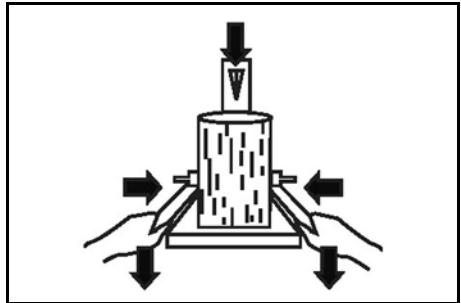


**CAUTION: SPLIT LOGS IN THE DIRECTION OF THE GRAIN. DO NOT PLACE LOGS ACROSS THE LOG SPLITTER FOR SPLITTING. IT MAY BE DANGEROUS AND MAY SERIOUSLY DAMAGE THE MACHINE.**

1. Place the log onto the support table vertically making sure that it is sitting flat on the support table.
  - Ensure the wedge will come into contact with the log squarely on the end. Never attempt to split a log at an angle.
2. Grip the log securely using the control arms.

3. Press down on both levers to start the splitting action.
  - Releasing either lever stops the splitting wedge.
  - Releasing both levers will return the splitting wedge to its original position.

**NOTE:** Once you start splitting the log, do not reach into the machine.



**WARNING: NEVER TRY TO SPLIT WOOD FOR MORE THAN 5 SECONDS, IF THE MACHINE CANNOT DO IT WITHIN THIS TIME, THE OIL WILL BEGIN TO OVERHEAT AND THE MACHINE MAY BE DAMAGED.**

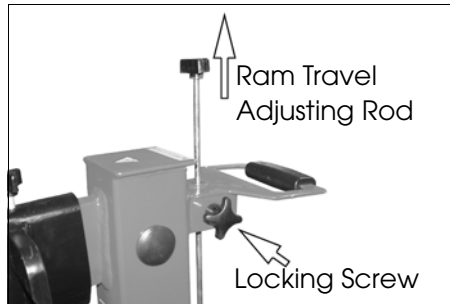
4. Stack split logs as you work. This will provide a safer work area, by keeping it uncluttered.

## ADJUSTMENTS

### TO SET WEDGE RAM STROKE

Adjusting the ram stroke will set the height which the ram will return to, when you release the control levers.

1. Press down on both control levers until the splitting wedge is at the desired height.
  - The upper position of the ram wedge should be about 3-5 cm above the logs being split.
2. Release one control lever and then switch off the motor.
  - The ram will remain in its current position.
3. Release the locking screw.
4. Raise ram travel adjusting rod until it is stopped by the spring inside.
5. Tighten the locking screw.
6. Switch on motor.



## STORAGE

When you have finish working with your log splitter:

1. Disconnect the log splitter from the mains supply.
2. Tighten the oil tank cover / air bleeder.
3. Clean the unit down using a dry cloth.

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# MAINTENANCE

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**WARNING: MAKE SURE THAT THE LOG SPLITTER IS SWITCHED OFF AND DISCONNECTED FROM THE MAINS SUPPLY BEFORE STARTING ANY CLEANING OR MAINTENANCE PROCEDURES.**

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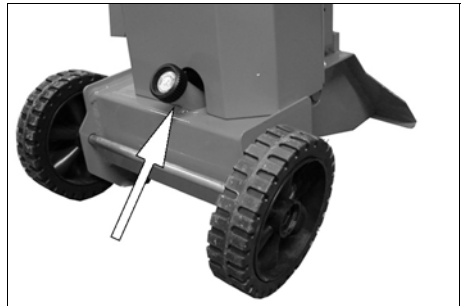
## HYDRAULIC OIL

The hydraulic system is a closed system with an oil tank, oil pump and control valve.

- Check the oil level regularly using the dipstick attached to the oil tank cover / air bleeder.

### TO TOP UP THE HYDRAULIC OIL

1. Remove the oil tank cover / air bleeder completely.
2. Using a clean funnel, pour in CLARKE hydraulic oil until the oil level is 2-3 cm from the top of the oil tank.



**IMPORTANT: Only use CLARKE HYDRAULIC OIL, available from your nearest dealer.**

**Part No:      1Ltr - 3050830  
                     5Ltr - 3050835**

3. Clean the neck of the oil tank and replace the oil tank cover / air bleeder.
4. Run the log splitter 2-3 times (without splitting anything) after adding oil.

**NOTE:** The oil should be completely changed once a year.

## SHARPENING THE WEDGE

Sharpen the wedge of the log splitter using a fine-toothed file and smooth any burrs or crushed area along the cutting edge.



## TROUBLESHOOTING

PROBLEM	CAUSE	REMEDY
Motor does not start.	No power being supplied	Check mains fuse
	Extension lead is defective	Unplug, check and replace if necessary
	Switch is defective	Return the unit to your local Clarke dealer for servicing.
Log splitter does not work while the motor is running.	Air bleeder is not open	Open oil bleeder.
	Control levers are bent	Repair the bent control levers
	Low oil level	Check and refill hydraulic oil.
Log splitter works but with abnormal noise and vibration.	Low oil level	Check and refill hydraulic oil.

## DISPOSAL



**When disposing of this product, do not dispose of with general waste. It must be disposed of according to the laws governing Waste Electrical and Electronic equipment, at a recognised disposal facility.**

## SPECIFICATIONS

	<b>Logbuster 6</b>
Electrical Supply	230V @ 50Hz
Input Wattage	3000 W
Part Number	3402035
Maximum Force	5.5 tonnes
IP Rating	IP54
Duty Cycle	S6 40% (4 mins on / 6 mins off)
Weight	97 kg
Dimensions (L x W x H)	880 x 400 x 1050 mm
A-weighted Sound Pressure Level dB (A)	71 dB (A)
Log Capacity	
Maximum Length	1050 mm
Minimum Length	550 mm
Maximum Diameter	320 mm

## PARTS AND SERVICING

For Parts & Servicing, please contact your nearest dealer, or CLARKE International, on one of the following numbers

**PARTS & SERVICE TEL: 020 8988 7400**  
**PARTS & SERVICE FAX: 020 8558 3622**  
**or e-mail as follows:**

PARTS: [Parts@clarkeinternational.com](mailto:Parts@clarkeinternational.com)  
SERVICE: [Service@clarkeinternational.com](mailto:Service@clarkeinternational.com)

# DECLARATION OF CONFORMITY



**Clarke**<sup>®</sup>  
**INTERNATIONAL**

Hemnall Street, Epping, Essex CM16 4LG

## DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

- 89/336/EEC *Electromagnetic Compatibility Directive, (amended 2004/108/EC).*  
98/37/EC *Machinery Directive.*  
73/23/EEC *Low Voltage Equipment Directive (amended by 93/68/EEC).*  
2002/95/EC *Restriction of Hazardous substances*

The following standards have been applied to the product(s):

- EN 55014-1:2006, EN 55014-2:1997 + A1  
EN 61000-3-2:2006, EN 61000-3-11:2000  
EN 60204-1:1997, EN 609-1:1999+A1:2003

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2007

**Product Description:** 5.5 Tonne Vertical Log Splitter  
**Model number(s):** Logbuster 6  
**Serial / batch Number:** N/A  
**Date of Issue:** 02/12/2008

Signed:

J.A. Clarke  
Managing Director

# A SELECTION FROM THE VAST RANGE OF

# Clarke®

## QUALITY PRODUCTS

### AIR COMPRESSORS

From DIY to industrial, Plus air tools, spray guns and accessories.

### GENERATORS

Prime duty or emergency standby for business, home and leisure.

### POWER WASHERS

Hot and cold, electric and engine driven - we have what you need

### WELDERS

Mig, Arc, Tig and Spot. From DIY to auto/industrial.

### METALWORKING

Drills, grinders and saws for DIY and professional use.

### WOODWORKING

Saws, sanders, lathes, mortisers and dust extraction.

### HYDRAULICS

Cranes, body repair kits, transmission jacks for all types of workshop use.

### WATER PUMPS

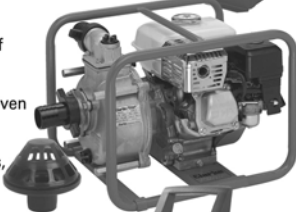
Submersible, electric and engine driven for DIY, agriculture and industry.

### POWER TOOLS

Angle grinders, cordless drill sets, saws and sanders..

### STARTERS/CHARGERS

All sizes for car and commercial use.



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