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## Before you start

### Proper use of the product

The machine is designed for splitting fire wood in the direction of the grain. It may only be used to split logs with an approximate max. length of 36cm and a diameter of between 5cm and max. 25cm.

The machine is designed to be operated by a single person. Never permit two or more persons to use the machine at any one time. However for unpacking or moving the machine, two people may be easier.

The machine is designed for domestic use only.

The machine must be operated in accordance with the specifications made in the operating instructions.

Any unintended use or any activities on the machine not described in these operating instructions are an unauthorised misuse outside the manufacturer's legal liability limits.

### What are the meanings of the symbols used in the operating manual?

Notes indicating danger and other notes are clearly identified in the operating manual. The following symbols are used:



### Danger!

#### Type and source of danger!

Ignoring a danger note is a risk to your safety and could result in serious injury.



### Caution!

#### Type and source of danger!

This danger sign warns of damage to the device, the environment or damage to property.



### Note:

This symbol indicates information that will help you to better understand the processes involved.



These symbols identify that personal protective clothing is required.

### Symbols on the device

Symbols affixed to your machine may not be removed or covered. Information on the machine that is no longer legible must be replaced immediately



WARNING - Read the operating instructions to reduce the risk of injury!



Risk of slipping!



Wear safety shoes when carrying out all types of work.



Wear protective gloves when carrying out all types of work.



Wear protection for your eyes, ears and head when working with the machine.



Removing or modifying security and safety components is forbidden.



WARNING - Never use your hands to remove a log jammed into a splitting wedge.



Dispose of used oil properly. Do not dispose of with the household waste. Do not permit it to enter the environment. Contact your local authorities for further information.



May only be operated by one person! Ensure bystanders keep a safe distance from the work area.



Risks are posed by moving parts.



WARNING - Keep your hands away from the machine when the wedge is resetting. The piston stops automatically after the reset has been completed.



WARNING - Pull out the power plug before conducting any maintenance work on the machine.



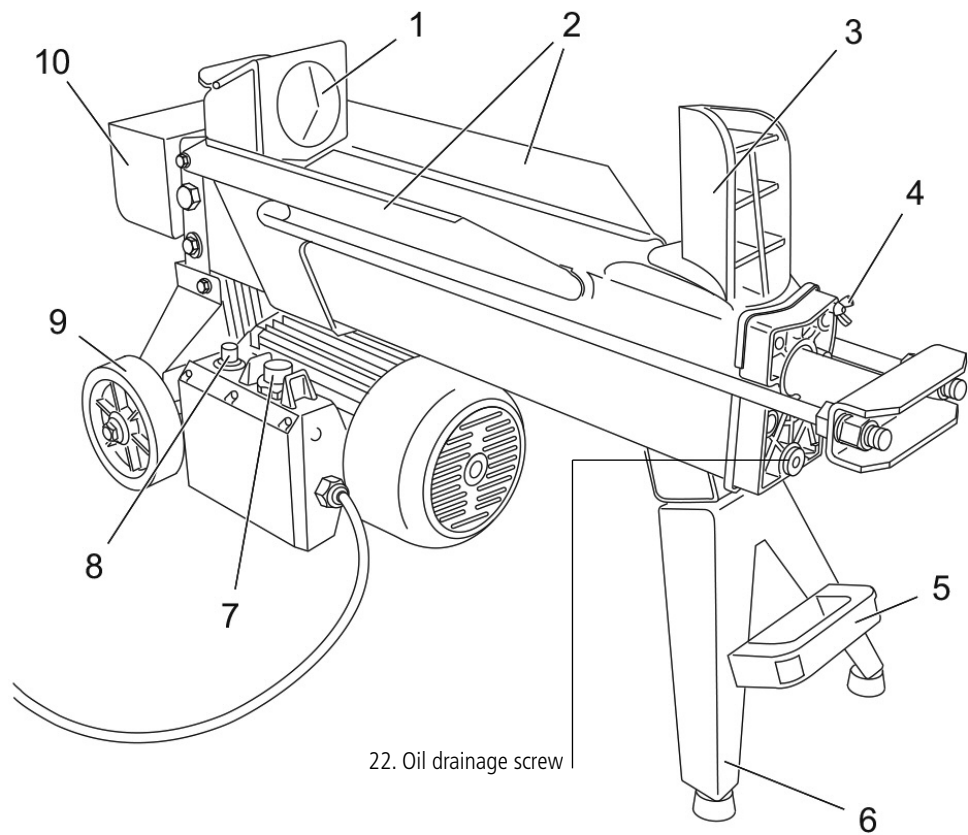
Smoking is prohibited!



Before carrying out any work, turn the air-bleed screw anti-clockwise. After completing the work, close the air-bleed screw.

## An overview of your machine

1. Log pusher
2. Splitting channel
3. Splitting wedge
4. Air-bleed screw
5. Pushing handle
6. Frame
7. On/Off switch
8. Reset switch
9. Wheel
10. Hand guard



### Protective mechanisms



**Danger!**  
**Risk of injury!**

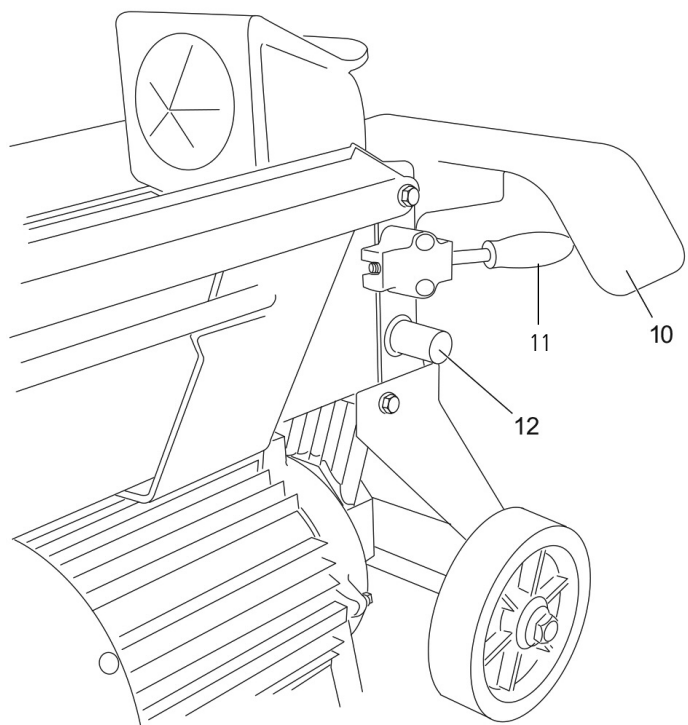
There are a number of protective mechanisms on the machine. Do not use the machine when one of the protective mechanisms is missing or damaged.



**Danger!**  
**Risk of injury!**

Never adjust the maximum pressure screw. The maximum pressure screw is covered by a red cap and may only be adjusted by a specialist. Adjustment by a non-professional can lead to serious injury.

- Red cap(12) covering the maximum pressure screw
- Hand guard (10)
- Control lever (11)



## Assembling and initial use

### Parts supplied:

- Fixings - nuts, bolts screws, washers etc.
- Wood splitter
- Wheels
- Frame
- Pushing handle



- Hand guard

### Note:

If any one of the parts is missing or damaged, contact the retailer.



### Assembly

**Danger!**  
**Risk of cuts!**

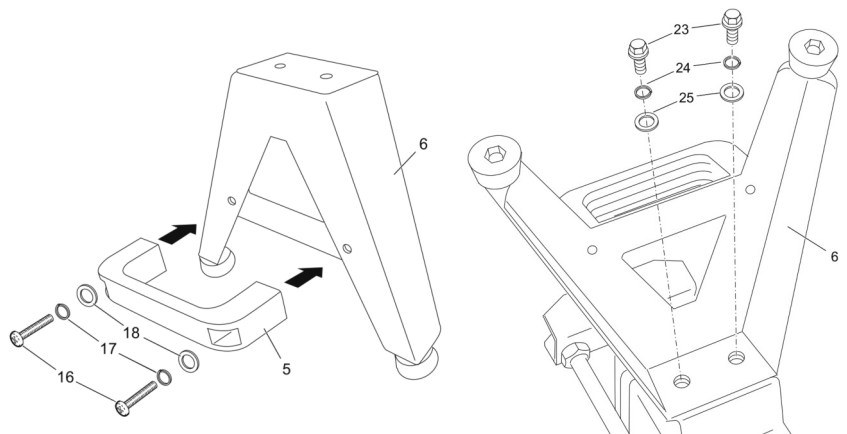


The individual parts of the machine are heavy and may have sharp edges. Wear protective gloves when assembling the machine.

**Danger!**  
**Risk of injury!**

You need at least two people to turn the machine over. The machine and some of the components are very heavy and may cause serious injury.

- Place the machine so that it is upside down.
- Fit the wheels (9) to the ends of the axle (15). Use washers (14) and nuts (13) to secure.
- Mount the control lever (11).



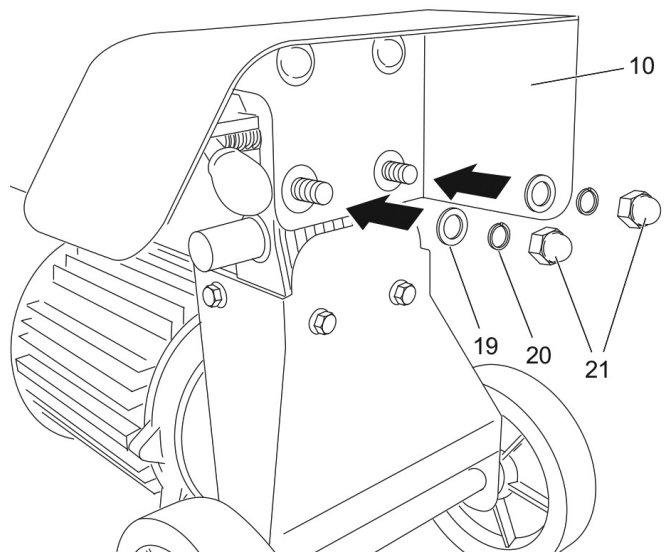
- Fix the pushing handle (5) using screws (16), spring washers (17) and washers (18) to the frame (6).
- Fix the frame using screws (23), spring washers (24) and washers (25) to the underside of the machine.



**Danger!**  
**Risk of injury!**

You need at least two people to turn the machine over. The machine and some of the components are very heavy and may cause serious injury.

- Turn the machine over.
- Fit the holes in the hand guard (10) to the threads on the rear of the machine and secure with washers (19), spring washers (20) and acorn nuts (21).



## Warning

### General safety information for electrical tools

#### Danger!



#### Read all safety notes and instructions!

Mistakes made when observing the safety notes and instructions may lead to electrical shock, fire and/or serious injury.



#### Danger!

#### Store all safety notes and operating instructions for future reference.

The term "electrical tool" as used in the safety notes refers to mains-operated electrical tools (with power cables) and to battery-operated electrical tools (without power cables).

### Workplace safety

- Ensure that the work area is well lit and clear of obstructions. Untidy or unlit workplaces can lead to accidents.
- Do not use the log splitter in an environment prone to the risk of explosion, or in which flammable liquids, gases or dusts may be found. Electrical tools can cause sparks which may ignite dust or vapours.
- Keep children and other people away from the electrical tool when it is in use. If distracted, you may lose control of the machine.
- Never leave the machine unattended.

### Safety tips for electronic devices

- The plug of the electrical tool must fit into the socket. The plug may not be modified in any way. Do not use an adapter plug in conjunction with the log splitter. Unmodified plugs and the appropriate sockets reduce the risk of an electrical shock.
- Avoid body contact with grounded surfaces, for example, pipes, heating, ovens and fridges. There is an increased risk of electrical shock if your body is earthed.
- Keep the log splitter dry. Do NOT use in wet weather or damp conditions. Water entering into an electrical tool will increase the risk of an electrical shock.
- Do not misuse the cable to carry the log splitter, to hang it up or to pull the plug out of the socket. Keep the cable away from heat sources, oil, sharp edges or moving device parts. Damaged or coiled cables increase the risk of an electrical shock.
- In the event of damage to the connecting cable, the cable may only be replaced by a qualified service engineer.
- Do NOT use the log splitter if the cable is damaged in any way.
- When you use the log splitter out in the open, use an extension cable that is designed for outdoor use. The use of an extension cable that is designed for outdoor use reduces the risk of an electrical shock.
- It is recommended to use a residual current circuit-breaker with a trigger current of 30 mA or lower when using the log splitter. The use of a residual current circuit-breaker reduces the risk of an electrical shock.

### Safety of persons

- Pay attention to what you are doing and be sensible when working with the log splitter. Do NOT use an electrical tool if you are tired or under the influence of drugs, alcohol or prescription medication. A single moment's lapse in concentration when using an electrical tool can lead to serious injuries.
- Always wear personal protective gear and goggles.
- Always wear personal protective clothing, such as dust masks, non-slip safety shoes, protective helmet and ear defenders, according to type and use of the electrical tool, which will reduce the risk of injuries.

- Avoid starting the log splitter accidentally. Ensure that the log splitter is switched off before you connect it to the power supply or transport it. If you have your finger on the switch when moving the machine or have it switched on when connecting to the power supply, this may lead to accidents.
- Remove the adjusting tools or spanner before switching the log splitter on. A tool or a spanner caught in a rotating part of the machinery may lead to injuries.
- Avoid abnormal body positions. Ensure that you are standing firmly and keep your balance at all times. This will enable you to retain control of the log splitter better in the event of unexpected situations.
- Wear suitable clothing. Do not wear loose-fitting clothing or jewellery. Keep hair, clothing and gloves well away from moving parts. Loose-fitting clothing, jewellery or long hair may become caught in moving parts.
- If dust suction and collection mechanisms can be mounted, ensure that these are connected and used correctly. Using a dust suction unit (not supplied) can reduce the risks posed by dust.

### Careful handling and use of electrical tools

- Do not overload the machine.
- Do not use the log splitter if it is damaged in any way.
- Switch off and pull the plug out of the socket before making any settings to the machine, changing accessories or setting the machine down. These safety measures will help to prevent unintentional starting of the electrical tool.
- Keep well out of the reach of children. Do not allow anyone to use the device who is unfamiliar with it or who has not read these instructions. Electrical tools are dangerous if they are used by inexperienced persons.
- This appliance is not intended to be operated by means of external timer or separate remote control system.
- This appliance can only be used, cleaned or maintained by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the appliance.
- Take good care of your log splitter. Check whether the moving parts function correctly and do not jam, check whether parts are broken or damaged. Many accidents are caused by badly maintained electrical tools.
- Ensure that your cutting tools are sharp and clean. Properly cared for cutting tools with sharp cutting edges are less likely to become jammed and are easier to operate.
- Use the log splitter, accessories, adjustment tools (if supplied), etc. in accordance with these instructions. Take the working conditions and the tasks to be completed into account. The use of the log splitter for tasks other than the one they are intended for can lead to dangerous situations.

### Service

Only have your electrical tools repaired by qualified specialists and with original replacement parts.






This ensures that the safety of the electrical tool is maintained.

### Safety notes regarding log splitters



- The machine is designed to be operated by a single person. Never permit two or more persons to use the machine at any one time.
- The machine may only be used on a flat level surface where there is sufficient grip underfoot.
- Make sure that all branches, wire and other foreign objects are removed from the logs before splitting.
- Logs must be cut at right-angles.
- The permitted dimensions for logs must be adhered to (Technical data – Page 8). Working with unevenly formed wood, for example, branches, can lead to injuries.

- The log may only be split in the direction of the grain. Never insert the log cross ways.
- Never attempt to split more than one log at a time!
- Never touch the log when the machine is operating!
- Never attempt to straighten logs during operation! Always switch off the machine before removing logs and replacing correctly.
- Do not reach into the splitting area when using the machine.
- Do not continue to operate the machine if a log cannot be split or the device has reached the stopper. Danger of overheating!
- Test the machine to ensure that it is functioning properly before attempting to split a log.
- Switch the machine off before carrying out cleaning and adjustment work.
- Use a Portable Residual Current Device (PRCD), if the supply network does not have a Residual Current Device (RCD) with a nominal error current of a maximum of 30 mA.
- For domestic use only.

### Individual protective gear / proper clothing

-  Wear goggles.
-  Wear safety shoes.
-  Wear protective gloves.
-  Wear close-fitting working clothes.
-  Wear a hair net if you have long hair.

## Operation

Caution!       
Individual protective gear/proper clothing.

### Check before starting the device!



#### **Danger!** **Risk of injury!**

The machine may only be put into operation if no faults can be found. Do not use if damaged in any way.



#### **Caution!** **Machine damage!**

The wood splitting machine may only be operated at temperatures between 5 °C and 40 °C. At 40 °C, humidity may not be more than 50%.

Check the machine to ensure it is safe for use:

- Check to make sure there are no visible defects.
- Check to see whether all machine components are correctly mounted.
- Check to make sure the safety mechanisms are functioning properly.
- Check to make sure that the switch off mechanisms functions correctly.

### Splitting wood

#### **Danger!** **Risk of injury!**



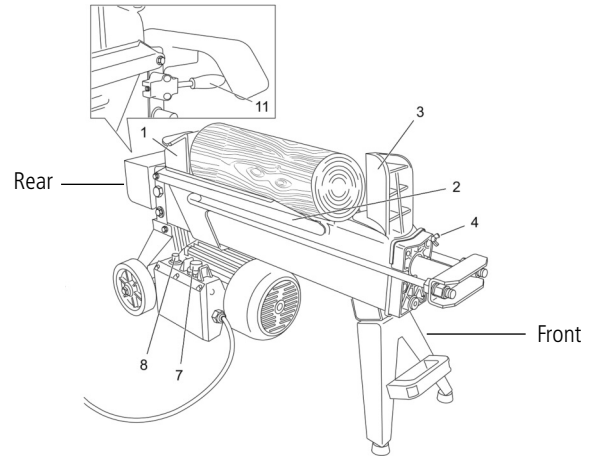
Only split logs that meet the specifications (Technical data – Page 8). Check to make sure that the logs are straight and positioned evenly in the splitting channel. The log may be turned by 180° if it cannot be split at the first attempt. Ensure that the log does not slip or become jammed. If the log does become jammed, do not attempt to remove by hand!

#### **Caution!** **Machine damage!**

Never process a log for longer than 5 seconds. If a log cannot be split, do not continue attempting to split it by machine. Any further attempts may overload the machine and cause damage.

#### Adjusting the bleed screw – very important

Never operate the log splitter until the bleed screw has been slightly loosened (one to two full turns). Air flow through the bleed screw should be detectable once the log splitter is started. If no air flow is detected, loosen the screw until the air flow can be felt.



Air must flow in and out of the oil tank during operation to prevent the seals in the hydraulic system from rupturing.

### Check the oil level – very important

Before each use:

- Unplug the log splitter.
- Using the lift handle, stand the log splitter on end so that the oil drainage screw is facing upwards.
- Using an allen key, remove the oil drainage screw and wipe the dipstick clean.
- Reinsert the dipstick back into the oil tank.
- Remove the dipstick and check to see if the oil level is between the first and second groove on the dipstick.
- If there is not enough oil in the oil tank, add oil until the proper level is reached.
- If there is the proper amount of oil in the oil tank, replace the dipstick in the oil tank and tighten the oil drain bolt securely.

**Note:** See "Replacing Hydraulic Oil" in the Maintenance section for recommended oil or equivalents - see page 6.

- Unscrew the air-bleed screw (4).
- Operator should be at the rear of the log splitter.
- Place the log on the splitting channel (2).
- Press the power button (7) with the right hand and hold.
- Push the control lever (11) with the left hand and hold.
- The log pusher (1) presses the log against the splitting wedge (3); the log is split.

- After the log has been split, release both the control lever (11) and the power button (7).
- The log pusher (1) returns to the starting position.
- Continue cutting logs using the same method.



**Danger!**  
**Risk of injury!**

Never hammer or knock the jammed log or put your hands in too close to the log. The hammering effect may rupture the motor block or the hydraulic components.



**Note:**

The hydraulic oil and the pump may become very hot when splitting very large and hard logs. This is why the machine is equipped with a safety function to protect against overheating. The motor switches off automatically when the maximum permissible temperature is exceeded. Press the reset button (8) to switch the machine back on after it has cooled down.

**Removing jammed logs**

- Release the power button and the control lever to allow the log pusher to move backward.

- Fit a wedge (wood wedge) under the log. Re-activate the wood pusher.
- The wood wedge is pushed under the log.
- If the jammed log cannot be removed: Repeat the procedure using larger and larger wedges.

**Switching the machine off**

- Unplug the power after you have finished using the machine.
- Tighten the air-bleed screw up again.

**Maintenance**



**Danger!**  
**Risk of injury!**

Pull out the power plug before conducting any maintenance on the machine. Wear safety goggles and (if necessary) a dust mask.

**Maintenance overview** Prior to conducting any work.

Maintenance	Method
Check the power cable, hydraulic lines and hoses for any signs of damage.	Conduct a visual inspection and have the cable replaced by an electrician if necessary.
Check the oil level.	Re-filling the hydraulic oil – Page 6.
Change the hydraulic oil every 150 hours of use.	Draining/refilling the hydraulic oil – Page 6.
Sharpen the splitting wedge.	Sharpening the splitting wedge – Page 6.

**Draining/refilling the hydraulic oil**



**Danger!**  
**Danger of burning!**

The hydraulic oil can become very hot when operating the machine. Allow for the machine to cool down completely before draining the hydraulic oil.



**Note:**  
**Always use a suitable oil tray.**

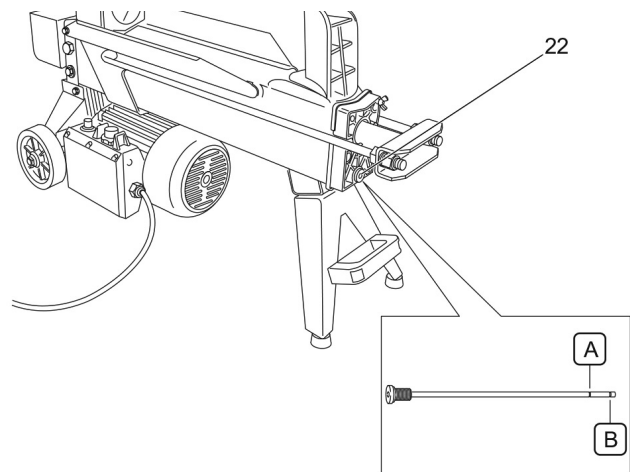
Oil will damage the environment and must be disposed of correctly. The hydraulic oil must be changed at regular intervals.

**Draining the hydraulic oil**

- Move the log pusher (1) back into the starting position.
- Allow the machine to cool down completely.
- Place a suitable tray underneath the machine.
- Loosen the oil drainage screw (22) with an Allen key and unscrew it.
- Tilt the machine and allow the oil to drain.

**Re-filling the hydraulic oil**

- Set the machine up so that the oil refilling opening is pointing upwards.
- Fill the machine with fresh oil. Use the oil dipstick to check the level. The oil must be at a level between the [A] and [B] markings. (Recommended hydraulic oil – Page 8).



- Check the seal of the oil drainage screw (22) for damages. Replace a damaged seal. Make sure the seal is positioned correctly.
- Tighten the oil drainage screw (22) up again.

**Sharpening the splitting wedge**

- Sharpen the splitting wedge with a fine file. Smooth any burrs or crushed areas along the cutting edge.

## Storage, transportation

### Storage

- Protect the machine from wet conditions and rain. Pay particular attention to preventing the electrical equipment from becoming wet.
- Make sure that all of the exposed metal surfaces of the machine are lightly greased to prevent corrosion when storing the device for extended periods of time.

### Transportation

The machine can be lifted at one side with the pushing handle and then pushed by a single person.

The machine may only be transported in the horizontal (working) position if the intended transportation container is stable enough. The device must be protected against sliding and tilting.

## Troubleshooting



**Danger!**  
**Risk of injury!**

Unauthorised repairs may mean that your machine will no longer operate safely. This endangers you and your environment.

In many cases, even small defects can lead to a malfunction. You will usually be able to deal with these yourself. Please consult the following table before contacting a reputable garden machinery service centre. This may save you a lot of effort and quite often money.

Error/Fault	Possible cause	Remedy
Machine does not work.	No power supply?	Check the socket and the connection cable.
	Overheating protection mechanism triggered?	The hydraulic oil and the pump may become very hot when splitting very large and hard logs. This is why the machine is equipped with a safety function to protect against overheating. The motor switches off automatically when the maximum permissible temperature is exceeded – Page 6.
	Are the electronics or motor defective?	Contact customer services.
The log does not split.	Is the log in the wrong position?	Insert the log correctly – Page 5.
	Do the dimensions of the log exceed the permissible values?	Cut the log down to the correct size (Technical data – Page 8).
	Is the log too hard?	Reject the log.
	The splitting wedge does not cut?	Sharpening the splitting wedge – Page 6.
	Is there air in the hydraulic system?	Vent the hydraulic system (Splitting wood – Page 5).
	Is the hydraulic system defective?	Contact customer service.
Log is jammed.	Is the wood block in the wrong position? Do the dimensions of the log exceed the permissible values? Is the wood block too hard?	Removing jammed logs – Page 6.
	Is the oil tank leaking?	Check/replace the seal on the oil drainage screw. Check the air-bleed screw.
	Is the piston rod seal defective?	Contact customer service.
Oil leaks on the piston rod or on other parts.	Air sealed in hydraulic system.	Loosen bleed screw before operating log splitter.
	Bleed screw is not tightened before moving the log splitter.	Tighten the bleed screw before moving the log splitter.
	Oil drainage screw is not tightened.	Tighten the oil drainage screw.

**Please contact service department directly if you cannot eliminate the error by yourself. Please note that the improper performance of repair work will lead to the loss of any warranty claims and that additional costs may be incurred.**

## Disposal



### Disposing of the machine

#### Danger of fire!

Avoid damage caused by leaking hydraulic oil: make sure the oil is completely drained before disposing of the machine.

Machines with this symbol may not be disposed of in the household waste. These types of electrical and electronic devices must be disposed of separately.

Contact your local authority for information regarding the correct disposal of the device.

By disposing of the device correctly you are ensuring that it will be recycled or processed for reuse. This helps to prevent hazardous material from damaging the environment.



### Disposing of the packaging

Dispose of the packaging at your local recycling centre.



### Disposing of hydraulic oil

#### Caution! Risk of damage to the device!

Hydraulic oils are very hazardous to the environment!

Make sure that you dispose of the hydraulic oil in accordance with the local regulations and in an environmentally safe way.

## Technical data

Rated voltage	230V ~ /50Hz
Capacity	1500W S2 20 min
Max. stroke	4t
Mains impedance Zmax*	<0.296 Ohm
Protection class	IP 54
Insulation class	B
Motor speed	2950min <sup>-1</sup>
Oil capacity	2.2 L
Permissible log diameter	50–250mm
Max. log length/cutting length	370mm
Sound output level (LWA)**	75 dB (A)
Weight	38kg
Dimensions (length × width × height)	875 × 290 × 510mm

\* Special connection conditions according to EN 61000-3-11. Only connect the machine to a 400V/230V power supply with a power rating of > 100 A. Contact your electricity supply company if necessary.

\*\* The specified values are emission values and do not necessarily represent safe workplace values. Although there is a correlation between emission and immission levels, this cannot be used to infer whether additional safety measures are necessary or not. Factors which affect the current immission levels at the workplace, include the type of room, other sources of noise, e.g. the number of machines operating and other processes taking place in the vicinity. Permitted workplace values can differ from country to country. This information is designed to help the user to better assess the dangers and risks.

### Recommended hydraulic oil

- Shell Tellus T 22
- Aral Vitam GF 22
- BP Energol HLP 22
- Mobil DTE 11 or equivalent

## EC DECLARATION OF CONFORMITY

In accordance with EN ISO 17050-1:2004

We The Enterprise Department Ltd.  
Of 11 Bridge Street, Bishop's Stortford, Hertfordshire, UK.  
CM23 2JU

in accordance with the following Directive(s):

2006/95/EC The Low Voltage Directive

2006/42/EC The Machinery Directive

2004/108/EC The Electromagnetic Compatibility Directive

hereby declare that:

Log Splitter

Model number: 9241

Batch Number: 16725

is in conformity with the applicable requirements of the following documents

Ref. No.	Title	Edition date
BS EN 609-1/A2	Agricultural and Forestry machinery. Safety of log splitters. Wedge splitters.	2009
BS EN 60204-1/A1	Safety of machinery. Electrical equipment of machines. General requirements.	2009
BS EN 55014-1	Electromagnetic compatibility. Requirements for household appliances, electric tools and similar apparatus. Emission	2009
BS EN 55014-2	Electromagnetic compatibility. Requirements for household appliance, electric tools and similar apparatus. Immunity. Product family standard.	2008
BS EN 61000-3-2	Electromagnetic compatibility (EMC). Limits. Limits for harmonic current emissions (equipment input current ≤ 16A per phase).	2009
BS EN 61000-3-11	Electromagnetic compatibility (EMC). Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16A per phase and not subject to conditional connection.	2000
	The Low Voltage Directive	2006

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all applicable Essential Requirements of the Directives.

Mr. Stuart Fowler  
Imports Director  
27.06.2012

### Returns or Faults

Please do not return this item for any reason without first calling the Customer Service number **0844 482 4400**.