

# Bäumr-AG®

## Electric Log Splitter HPS3200E



### User Manual

[Revision 1.0 May 2020]

---

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

---

# Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

## General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.



You **CAN** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

## General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol or medication.
- This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities.

## General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start or run the engine until all leaks are fixed.

## General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors and vents.



You **CAN** be INJURED if you do not follow instructions or equipment damage may occur.

## General Equipment Use and Care

- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

| General Electrical Safety                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | General Electrical Safety                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | General Service Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.</li> <li>Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.</li> <li>When wiring electrically powered equipment, follow all electrical and safety codes.</li> <li>Wherever possible, use a residual current device (RCD).</li> <li>High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.</li> </ul> | <ul style="list-style-type: none"> <li>Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.</li> <li>Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.</li> <li>Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.</li> <li>Do NOT use electrical equipment in wet conditions or in damp locations.</li> <li>Do NOT use electrical cords to lift, move or carry equipment.</li> <li>Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.</li> </ul> | <ul style="list-style-type: none"> <li>The equipment must be serviced or repaired at authorised service centres by qualified personnel only.</li> <li>Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.</li> <li>Do NOT attempt any maintenance or repair work not described in this manual.</li> <li>After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories or performing repair or maintenance.</li> <li>Do NOT adjust while the equipment is running.</li> <li>Perform service related activities in suitable conditions, such as a workshop.</li> <li>Replace worn, damaged or missing warning/safety labels immediately.</li> </ul> |

### LOG SPLITTER SAFETY

**UNDERSTAND YOUR LOG SPLITTER.** Read and understand the owner's manual and labels affixed to the log splitter. Learn its application and limitations as well as the specific potential hazards peculiar to it

**DRUGS, ALCOHOL AND MEDICATION.** Do not operate the log splitter while under the influence of drugs, alcohol, or any medication that could affect your ability to use it properly.

**AVOID DANGEROUS CONDITIONS.** Put the log splitter on a 60 - 75cm high, stable, flat, and level work bench where there is plenty of room for handling, and help the operator stay alert. Bolt the log splitter to the work surface if it tends to slip, walk, or slide. Keep your work area clean and well lighted. Cluttered areas invites injuries. Do not use the log splitter in wet or damp areas or expose it to rain. Do not use it in areas where fumes from paint, solvents or flammable liquids pose a potential hazard.

**INSPECT YOUR LOG SPLITTER.** Check your log splitter before turning it on. Keep guards in place and in working order. Form a habit of checking to see that keys and adjusting wrenches are removed from tool area before turning it on. Replace damaged, missing or failed parts before using it.

**DRESS PROPERLY.** Do not wear loose clothing, gloves, neckties or jewellery (rings, wristwatches). They can be caught in moving parts. Protective electrically nonconductive gloves and non-skid footwear are recommended when working. Wear protective hair covering to contain long hair, preventing it from get caught in machinery.

**PROTECT YOUR EYES AND FACE.** Any log splitter may throw foreign objects into the eyes. This can cause permanent eye damage. Always wear safety goggles. Everyday eyeglasses have only impact resistant lenses. They are not safety glasses. Do not put the log splitter on the ground for operations. This is awkward operating position that the operator has to bring his face close to the machine, and thus risks being struck by wood chips or debris.

**EXTENSION CORDS.** Improper use of extension cords may cause inefficient operation of the log splitter which can result in overheating. Be sure the extension cord is no longer than 1 Om and its section is no less than 2.5mm<sup>2</sup> to allow enough current flow to the motor. Avoid use of free and inadequately insulated connections. Connections must be made with protected material suitable for outdoor use.

**AVOID ELECTRICAL SHOCK.** Check that the electric circuit is adequately protected and that it corresponds with the power, voltage and frequency of the motor. Check that there is a ground connection, and a regulation differential switch upstream. Ground the log splitter. Prevent body contact with grounded surfaces: pipes, radiators, ranges, and refrigerator enclosures. Never open the pushbutton box on the motor. Should this be necessary, contact a qualified electrician. Mark sure your fingers do not touch the plug's metal prongs when plugging or unplugging the log splitter.

**KEEP VISITORS AND CHILDREN AWAY.** The log splitter must always be operated by one person only. Other people should keep a safe distance from the work area, especially when the log splitter is operating. Never ask other people to help you with freeing a jammed log.

**INSPECT YOUR LOG.** Make sure there are no nails or foreign objects in the logs to be split. The ends of the logs must be cut square. Branches must be cut of flush with the trunk.

**DON'T OVERREACH.** Floor must not be slippery. Keep proper footing and balance at all times. Never stand on log splitter. Serious injury could occur if the tool is tipped or if the cutting tools is unintentionally contacted. Do not store anything above or near the log splitter where anyone might stand on the tool to reach them.

**AVOID INJURY FROM UNEXPECTED ACCIDENT.** Always pay full attention to the movement of the log pusher. Do not attempt to load the log on until the log pusher has stopped. Keep hands out of the way of all moving parts.

**PROTECT YOUR HANDS.** Keep your hands away from splits and cracks which open in the log. They may close suddenly and crush or amputate your hands. Do not remove jammed logs with your hands.

**DON'T FORCE THE TOOL.** It will do a better and safer job at its design rate. Never try to split logs larger than those indicated in the specifications table. This could be dangerous and may damage the machine. Don't use log splitter for a purpose for which it was not intended.

**NEVER LEAVE TOOL RUNNING UNATTENDED.** Don't leave tool until it has come to a complete stop.

**DISCONNECT POWER.** Unplug when not in use, before making adjustments, changing parts, cleaning, or working on the log splitter; Consult technical manual before servicing.

**PROTECT THE ENVIRONMENT.** Take used oil to an authorized collection point or follow the stipulations in the country where the log splitter is used. Do not discharge into drains, soil or water.

**MAINTAIN YOUR LOG SPLITTER WITH CARE.** Keep the log splitter clean for best and safest performance.

**MAKE THE WORKSHOP CHILDPROOF.** Lock the shop. Disconnect master switches. Store the log splitter away from children and others not qualified to use it.

# Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

|                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>Flammable Material Hazard</b><br/>Flammable liquids, gases or substances etc may present. Avoid ignition sources and open flames. Danger of fire.</p>                                                                                            |  <p><b>Read User Manual</b><br/>Read and fully understand product safety warnings, operation, procedures etc before using the product.</p>                                                                                          |  <p><b>Use Hand Protection</b><br/>Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.</p>                                   |  <p><b>Carbon-Monoxide Hazard</b><br/>Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>                                                                     |
|  <p><b>Electrocution / Electrical Shock Hazard</b><br/>High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.</p> |  <p><b>Toxic Fumes / Dust Hazard</b><br/>Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.</p> |  <p><b>Explosive Material Hazard</b><br/>Combustible liquids, gases or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.</p>                     |  <p><b>Cutting / Amputation Hazard</b><br/>The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.</p>              |
|  <p><b>Crush Hazard</b><br/>The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.</p>                                                 |  <p><b>Single Operator Only</b><br/>The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.</p>                                                        |  <p><b>Use Face Protection</b><br/>Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.</p>                    |  <p><b>Use Foot Protection</b><br/>Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.</p>                                                                      |
|  <p><b>Use Eye / Ear / Head Protection</b><br/>Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing and head hazards.</p>                                       |  <p><b>Running Hazard</b><br/>Do not run on or near the product as doing so may present a fall hazard.</p>                                                                                                                        |  <p><b>Diving Hazard</b><br/>Do not dive into the product as doing so may present a neck / head injury hazard.</p>                                                                       |  <p><b>Adult Supervision Required</b><br/>Always supervise children and other users of a product to prevent drowning or injury.</p>                                                                                           |
|  <p><b>Skin Penetration / Puncture Hazard</b><br/>The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.</p>                         |  <p><b>Hot Surface Hazard</b><br/>Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.</p>                                                                                      |  <p><b>Flying Debris Hazard</b><br/>Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.</p> |  <p><b>Moving Parts Hazard</b><br/>Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.</p> |



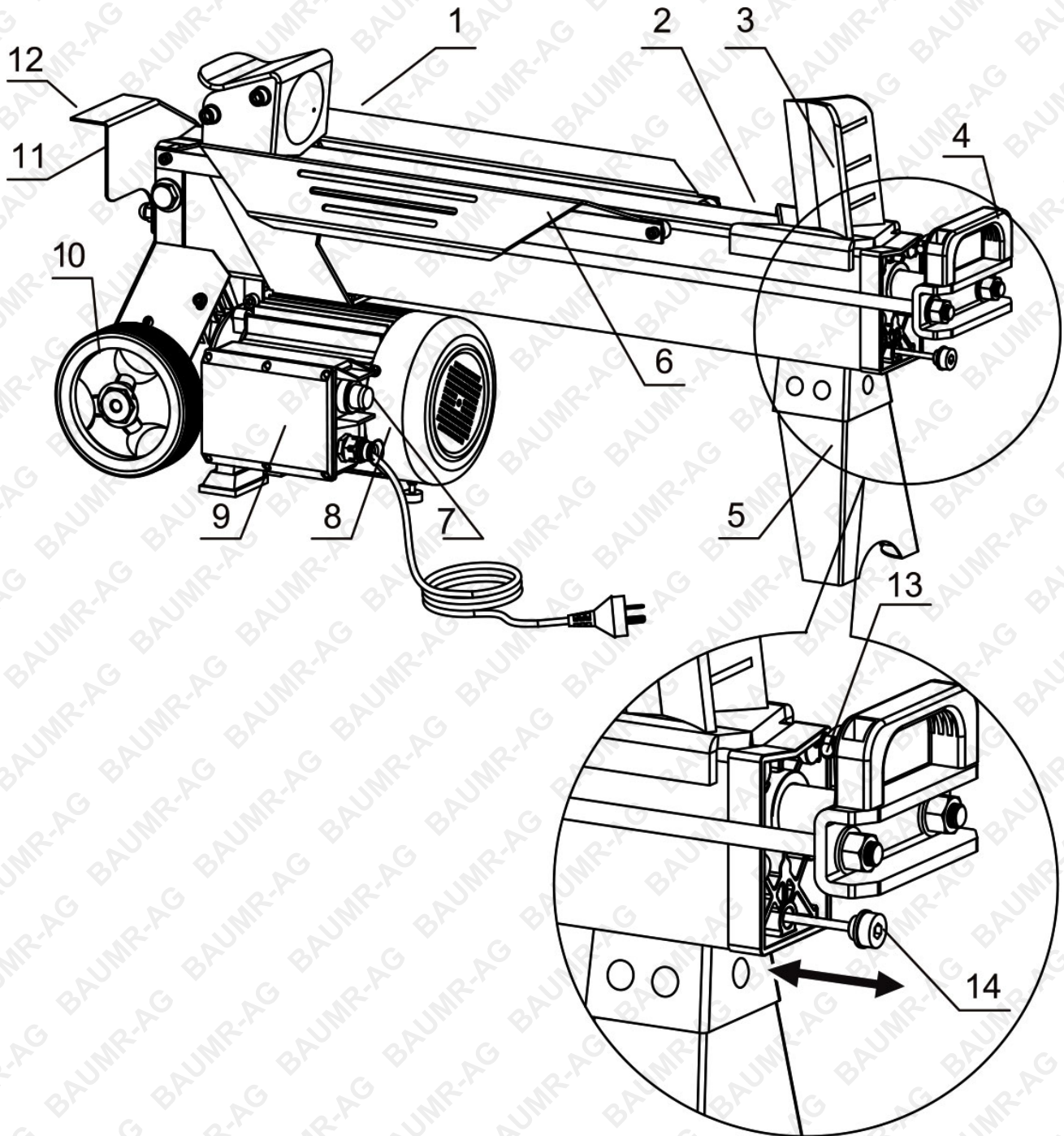
|                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>Carbon-Monoxide Hazard</b><br/>Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>                                                                         |  <p><b>Pull Hazard</b><br/>Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.</p>                                                   |  <p><b>Slope / Fall Injury Hazard</b><br/>Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.</p> |  <p><b>"Slam Dunk" Warning</b><br/>Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.</p>    |
|  <p><b>Electrocution / Electrical Shock Hazard - Outdoor</b><br/>High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp or wet conditions. Electrical shock can be fatal.</p> |  <p><b>Electrocution / Electrical Shock Hazard - Disconnect</b><br/>High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.</p> |  <p><b>Power Line Electrocution Hazard</b><br/>High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.</p>               |  <p><b>"Kick-Back" Hazard</b><br/>High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.</p> |
|  <p><b>Winch Operator Position Hazard</b><br/>Do NOT stand between winch and load. Do NOT use winch to move people.</p>                                                                                                            |  <p><b>Winch Lift Hazard</b><br/>Do NOT LIFT load vertically. Use machine to PULL only.</p>                                                                                                                                                                                  |  <p><b>Cable Hazard</b><br/>Ensure that load bearing cable is not kinked or knotted.</p>                                                                                                                                      |  <p><b>Winch Cable Hazard</b><br/>Ensure that there is a minimum number of cable coils on winching mechanism.</p>                                                    |
|  <p><b>Winch Hook Hazard</b><br/>Carry hook to load – do NOT throw or run.</p>                                                                                                                                                    |  <p><b>Flash / Blinding Hazard</b><br/>Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.</p>                                                                                                                        |  <p><b>Laser Hazard</b><br/>Laser may be in use – do NOT look directly at laser or allow others to.</p>                                                                                                                      |                                                                                                                                                                                                                                                          |

# Table of Contents

|                                    |           |
|------------------------------------|-----------|
| <b>Safety .....</b>                | <b>2</b>  |
| Safety Symbols .....               | 5         |
| <b>Parts Identification .....</b>  | <b>8</b>  |
| Controls and Features .....        | 8         |
| Parts Drawing and Parts List ..... | 9         |
| <b>Assembly .....</b>              | <b>12</b> |
| <b>Operation .....</b>             | <b>13</b> |
| General Operation .....            | 13        |
| Freeing a Jammed Log .....         | 14        |
| <b>Maintenance .....</b>           | <b>16</b> |
| Replacing the Hydraulic Oil .....  | 16        |
| Sharpening the Wedge .....         | 16        |
| <b>Troubleshooting .....</b>       | <b>17</b> |
| <b>Specifications .....</b>        | <b>18</b> |

# Parts Identification

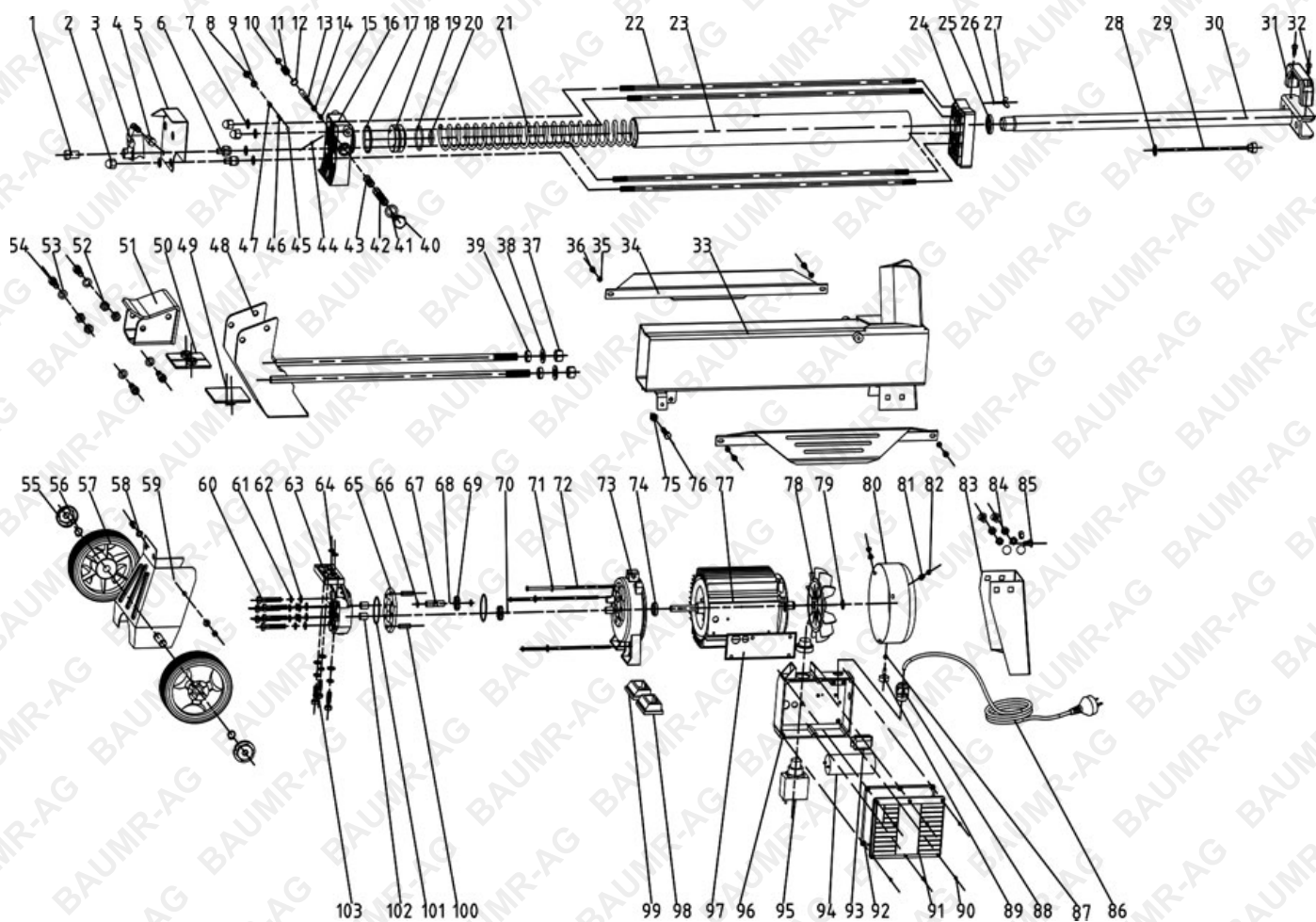
## Controls and Features



| No. | Name        | No. | Name                           | No. | Name                         |
|-----|-------------|-----|--------------------------------|-----|------------------------------|
| 1   | Log pusher  | 6   | Log-retaining plates           | 11  | Hydraulic control lever      |
| 2   | Worktable   | 7   | Switch                         | 12  | Control lever guard          |
| 3   | Wedge       | 8   | Motor                          | 13  | Bleed screw                  |
| 4   | Lift handle | 9   | Push button control box        | 14  | Oil drain bolt w/ dipstick   |
| 5   | Support leg | 10  | Wheels (for minor moving only) | 15  | Max. pressure limiting screw |



## Parts Drawing and Parts List



| NO. | NAME                 | NO. | NAME               |
|-----|----------------------|-----|--------------------|
| 1   | Lever Mount Nut      | 53  | Flat Washer        |
| 2   | Nut Cap              | 54  | Screw              |
| 3   | Lever                | 55  | Wheel cover        |
| 4   | Lever Knob           | 56  | Block turn         |
| 5   | Guard Plate          | 57  | Wheel              |
| 6   | Nut                  | 58  | Washer             |
| 7   | Copper Gasket        | 59  | Wheel shelf        |
| 8   | Screw                | 60  | Bolt               |
| 9   | O-ring               | 61  | Spring Washer      |
| 10  | Snap Washer          | 62  | Washer             |
| 11  | Valve Retract Spring | 63  | Gear Pump Cover    |
| 12  | O-ring               | 64  | O-ring             |
| 13  | Valve Core Rod       | 65  | Gear Housing Plate |

| NO. | NAME                                  | NO. | NAME                     |
|-----|---------------------------------------|-----|--------------------------|
| 14  | Sliding Pressure Sensor Sleeve        | 66  | Circlip                  |
| 15  | Sliding Pressure Sensor Sleeve Spring | 67  | Gear Shaft               |
| 16  | Aluminium Cover (Rear)                | 68  | Steel Ball               |
| 17  | O-ring                                | 69  | Gear                     |
| 18  | Piston                                | 70  | Pin                      |
| 19  | Piston Ring                           | 71  | Washer                   |
| 20  | O-ring                                | 72  | Bolt                     |
| 21  | Spring                                | 73  | Motor Cover              |
| 22  | Stud                                  | 74  | Seal                     |
| 23  | Hydraulic Cylinder                    | 75  | Nut                      |
| 24  | Aluminium Cover (Front)               | 76  | Screw                    |
| 25  | Piston Rod Seal                       | 77  | Motor                    |
| 26  | O-ring                                | 78  | cooler                   |
| 27  | Wing Bolt                             | 79  | Block turn               |
| 28  | washer groupware                      | 80  | cool cover               |
| 29  | Dipstick                              | 81  | Spring Washer            |
| 30  | Piston Rod                            | 82  | Cross headed Screw       |
| 31  | Lift Handle                           | 83  | Leg groupware            |
| 32  | Screw                                 | 84  | Nut                      |
| 33  | Frame Tube                            | 85  | Bolt                     |
| 34  | Lead plank                            | 86  | Pin                      |
| 35  | Spring Washer                         | 87  | Nut                      |
| 36  | Screw                                 | 88  | prevent out              |
| 37  | Nut                                   | 89  | Abnormity Bolt           |
| 38  | Flat Washer                           | 90  | Screw                    |
| 39  | Nut                                   | 91  | Switch Box cover         |
| 40  | Nut Plug                              | 92  | Airproof underlay        |
| 41  | washer groupware                      | 93  | Connection Terminal      |
| 42  | Valve Sleeve                          | 94  | Capacitor                |
| 43  | O-ring                                | 95  | Switch                   |
| 44  | Adjusting Screw                       | 96  | Switch Box               |
| 45  | Steel Ball                            | 97  | Waterproof underlay      |
| 46  | Pressure Limited Valve Spring         | 98  | Motor Support Left Shoe  |
| 47  | Adjusting Screw                       | 99  | Motor Support Right Shoe |
| 48  | Log Pusher Connection Weldment        | 100 | Pin                      |

| NO. | NAME             |
|-----|------------------|
| 49  | Plastic Insert 1 |
| 50  | Plastic Insert 2 |
| 51  | Log Pusher       |
| 52  | Nut              |

| NO. | NAME           |
|-----|----------------|
| 101 | O-ring         |
| 102 | Sliding Sleeve |
| 103 | Bolt           |

# Assembly

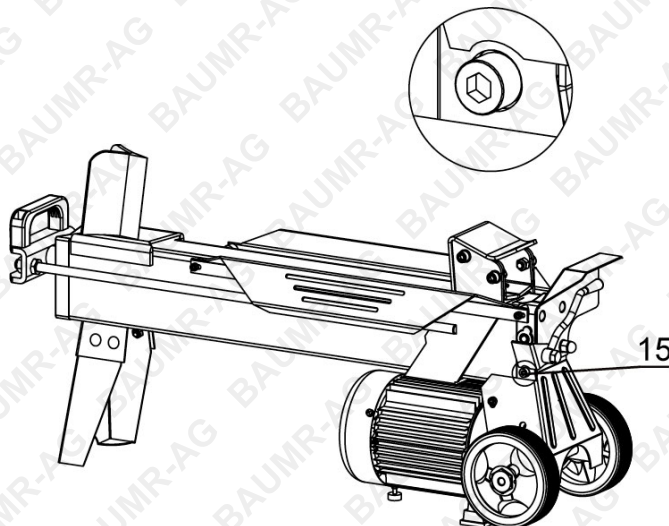
1. Bolt the Support Leg to the Log Splitter, lift the log splitter by the handles at both ends and place it on a 60 - 75cm high, stable, flat and level work surface.
2. Familiarise yourself with the controls and features of this log splitter in the [Parts Identification](#) section.



**IMPORTANT!** • Before operating the log splitter, the Bleed Screw should be loosened by some rotations until air can go in and out of the oil tank smoothly. • Air flow thru the Bleed Screw hole should be detectable during the log splitter is under operations. • Before moving the log splitter, make sure the Bleed Screw is tightened to avoid oil leaking from this point.

**FAILURE TO LOOSEN THE BLEED SCREW WILL KEEP THE SEALED AIR IN HYDRAULIC SYSTEM BEING COMPRESSED AFTER BEING DECOMPRESSED. SUCH CONTINUOUS AIR COMPRESSION AND DECOMPRESSION WILL BLOW OUT THE SEALS OF THE HYDRAULIC SYSTEM AND CAUSE PERMANT DAMAGE TO THE LOG SPLITTER. DO NOT ADJUST THE MAX PRESSURE LIMITING SCREW!**

Max. pressure was set beforehand and the max. pressure limiting screw is sealed with glue to ensure the log splitter works under pressure no more than 5 tons. The setting was done by a qualified mechanic with professional instruments. Unauthorised resetting will cause the hydraulic pump to fail to output enough splitting pressure or **RESULT IN SERIOUS INJURY AS WELL AS DAMAGE TO THE MACHINE.**



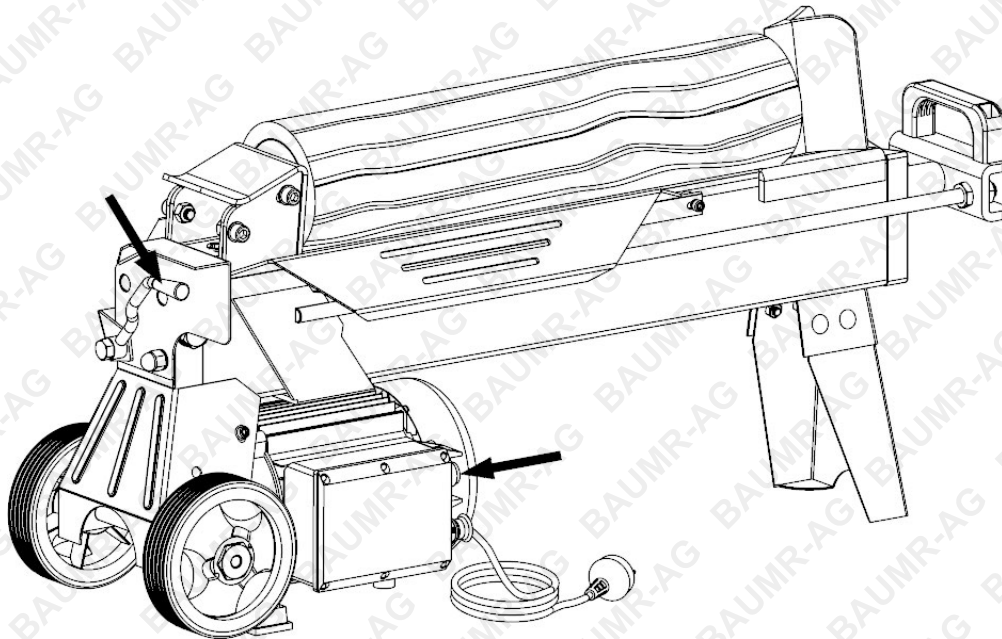


# Operation



**NOTE:** This log splitter is a home use model. It is designed for operating under ambient temperatures between +5°C and 40°C and for installation at altitudes no more than 1000m above M.S.L. The surrounding humidity should be less than 50% at 40°C. It can be stored or transported under ambient temperatures between -25°C and 55°C.

## General Operation



This log splitter is equipped with a "ZHB" control system that needs to be operated by both hands of the user - one hand controls the hydraulic control lever while the other hand controls the push-button switch. The log splitter will stop operating upon absence of either hand. Only upon both hands releasing the controls will the log pusher start to return backward to its starting position.

Trigger type lock-out device is adopted to avoid accidental Hydraulic Control Lever pushdown. To operate the Hydraulic Control Lever, draw the Trigger backward with the index finger before pushing the Hydraulic Control Lever forward.



**WARNING! Never force the log splitter for more than 5 seconds by keeping pressure on it to split excessively hard wood.**

After this time interval, the oil under pressure will be overheated and the machine could be damaged. For extremely hard logs, rotate it by 90° to see whether it can be split in a different direction. In any case, if you are not able to split the log, this means that its hardness exceeds the capacity of the machine and thus that log should be discarded to protect the log splitter.

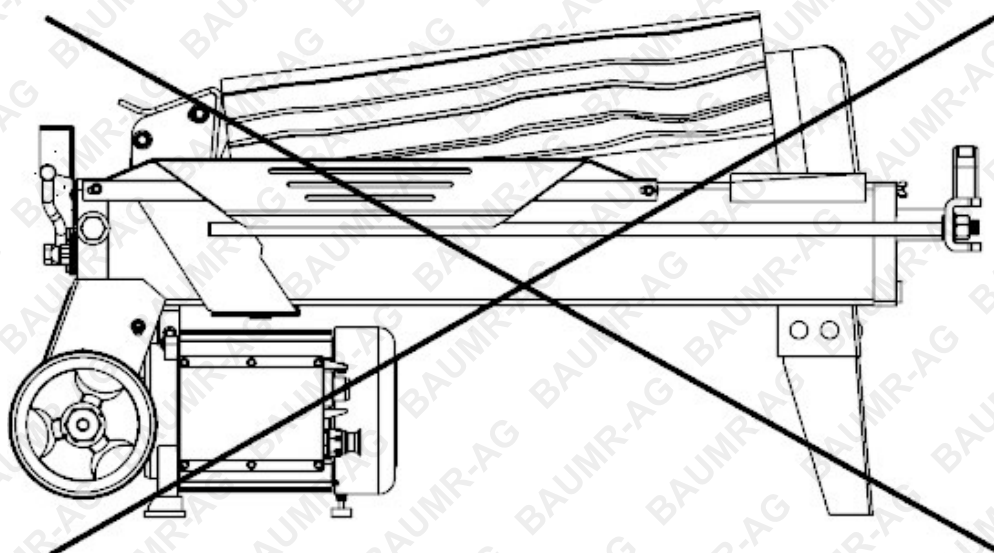


**IMPORTANT! Always set logs firmly on the log-retaining plates and worktable. Make sure logs will not twist, rock or slip while being split. Do not force the blade by splitting the log on the upper part. This will break the blade or damage the machine.**

Break log in the direction of its growing grain. Do not place log across the log splitter for splitting. It may be dangerous and may seriously damage the machine.

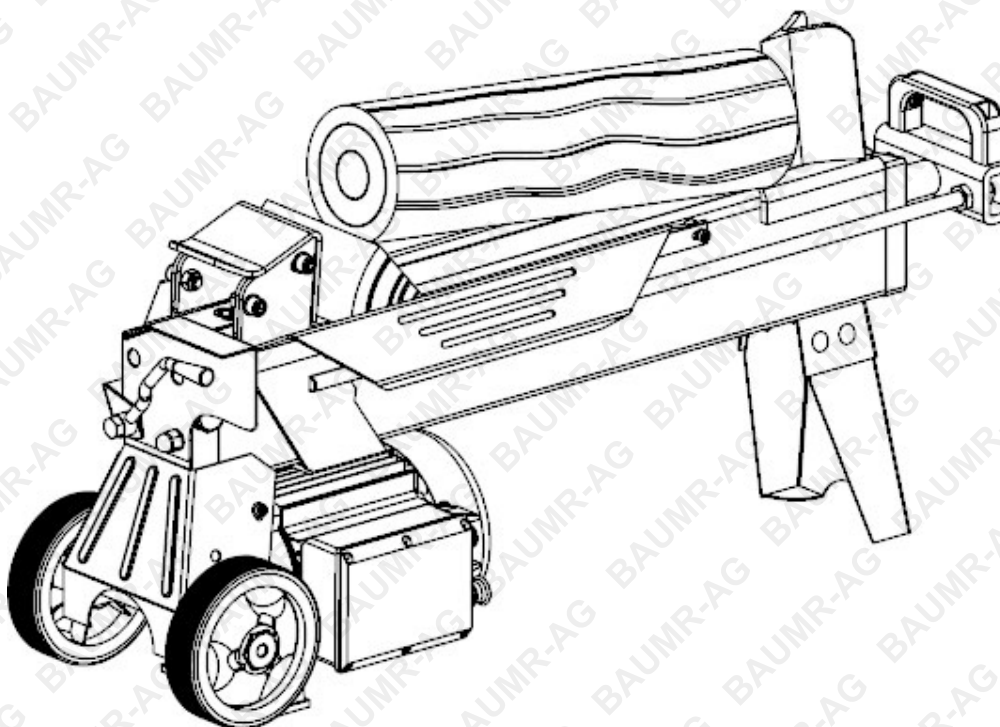
Do not attempt to split 2 pieces of logs at the same time. One of them may fly up and hit you!



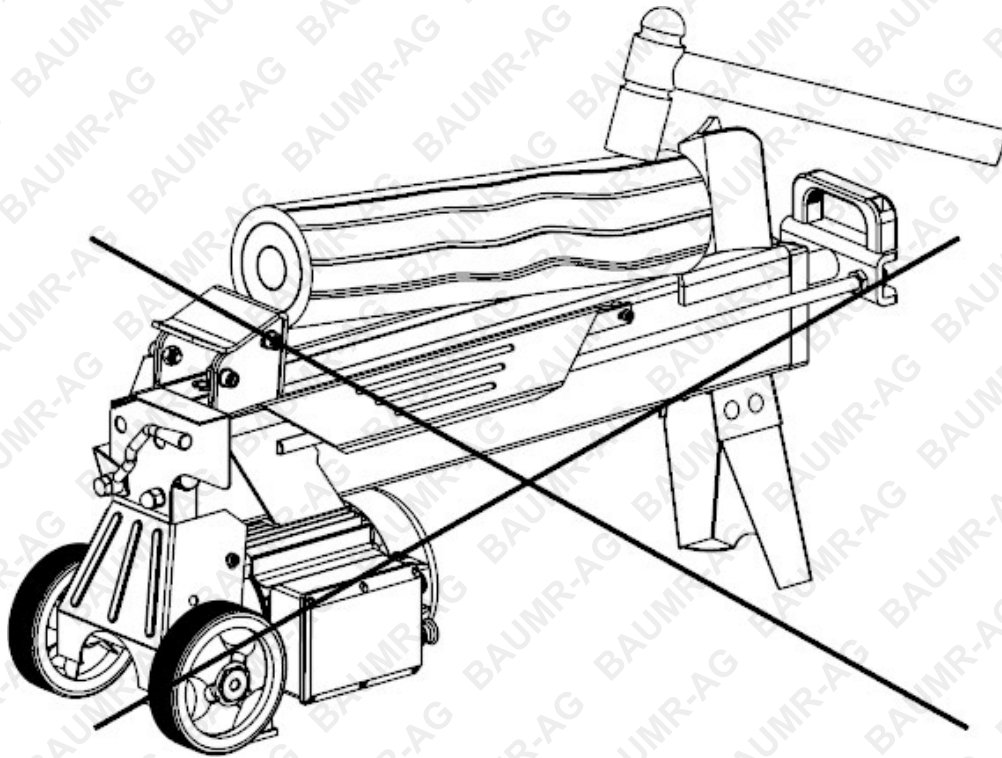


## Freeing a Jammed Log

1. Release both controls.
2. After the log pusher moves back and completely stops at its starting position, insert a wedge wood under the jammed log.
3. Start the log splitter to push the wedge wood to go completely under the jammed one.
4. Repeat above procedure with sharper slope wedge woods until the log is completely freed.



**DO NOT ATTEMPT TO KNOCK THE JAMMED LOG OFF. ATTEMPTING TO KNOCK IT OFF WILL DAMAGE THE MACHINE OR MAY LAUNCH THE LOG AND CAUSE AN ACCIDENT.**



# Maintenance

## Replacing the Hydraulic Oil

Replace the Hydraulic oil in the log splitter after every 150 hours of use. Follow these steps to replace it.

1. Make sure all moving parts come to a complete stop and the log splitter is unplugged from the main power source.
2. Unscrew the Oil Drain Bolt with the Dipstick to remove it.
3. Turn the log splitter on its Support Leg side over its container to drain off the hydraulic oil.
4. Turn the log splitter on its motor side.
5. Refill with fresh hydraulic oil with the recommended volume.
6. Clean the surface of the Dipstick on the Oil Drain Bolt and put it back into the oil tank while keeping the log splitter positioned vertically.
7. Make sure the level of the refilled oil is just between 2 grooves around the Dipstick.
8. Clean the Oil Drain Bolt before threading it back. Make sure it's securely fastened to avoid leakage before placing the log splitter horizontally.

---

**Periodically check the oil level to ensure it is between 2 grooves around the Dipstick. Oil refilling is required if it goes below this level.**

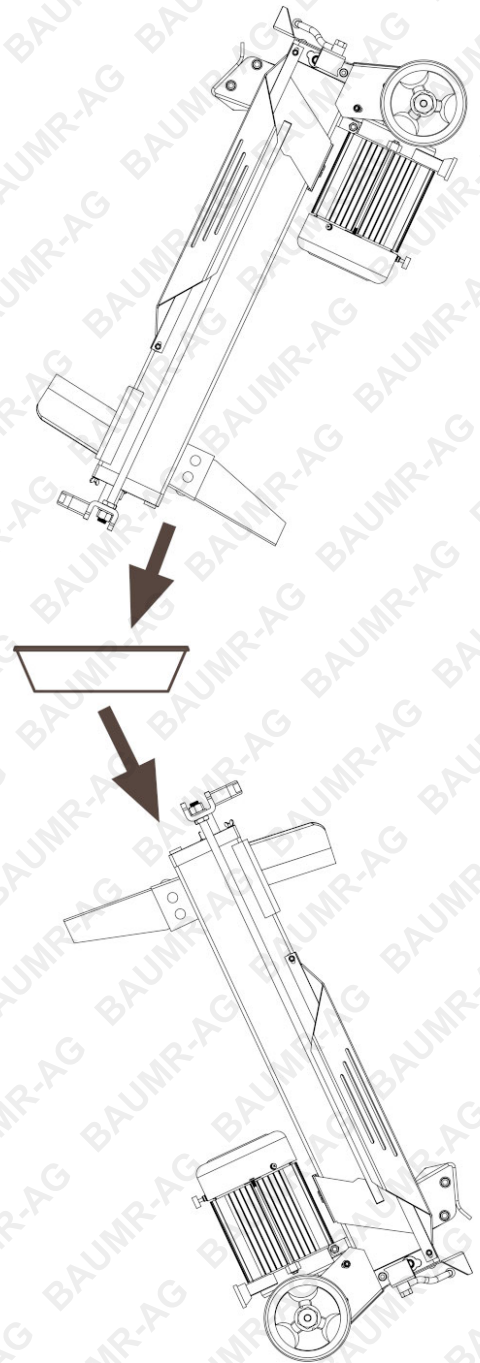
---

### Recommended Hydraulic Oils:

- SHELL Tellus 22
- MOBIL DTE 11
- ARAL Vitam GF 22
- BP Energol HLP-HM 22

## Sharpening the Wedge

After using the log splitter for some time, you should sharpen the wedge of the log splitter using a fine-tooth file and smooth out any burrs or crushed areas along its cutting edge.





# Troubleshooting

| PROBLEM                                                                           | PROBABLE CAUSE                                                                                            | REMEDY SUGGESTED                                                               |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>Fails to split logs</b>                                                        | Log is improperly positioned.                                                                             | Refer to <a href="#">Operation</a> section for proper log loading.             |
|                                                                                   | The size or hardness of the log exceeds the capacity of the machine.                                      | Reduce the log's size before splitting it on the log splitter.                 |
|                                                                                   | Wedge cutting edge is blunt.                                                                              | Refer to <a href="#">Sharpening Wedge</a> section to sharpen its cutting edge. |
|                                                                                   | Oil leaks.                                                                                                | Locate the leak(s) and contact the dealer.                                     |
|                                                                                   | Unauthorised adjustment was made on the Max. Pressure Limiting Screw. Lower max. pressure rating was set. | Contact the dealer.                                                            |
| <b>Log splitter moves jerkily, emits unfamiliar noise or excessively vibrates</b> | Lack of hydraulic oil and excessive air in the hydraulic system.                                          | Check oil level for possible oil refilling. Contact the dealer.                |
| <b>Oil leaks around cylinder ram or from other points</b>                         | Air sealed in hydraulic system while operating.                                                           | Loosen Bleed Screw by 3 - 4 rotations before operating the log splitter.       |
|                                                                                   | Bleed Screw is not tightened securely before moving the log splitter.                                     | Tighten the Bleed Screw securely before moving the log splitter.               |
|                                                                                   | Oil Drain Bolt with Dipstick is not tightly secured.                                                      | Securely tighten the Oil Drain Bolt with Dipstick.                             |
|                                                                                   | Hydraulic Control Valve Assembly and/or seal(s) are worn out.                                             | Contact the dealer.                                                            |



# Specifications

|                                  |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| <b>Max. Splitting Force</b>      | 9 Tonnes                                                           |
| <b>Max. Splitting Log Length</b> | 520mm*                                                             |
| <b>Log Diameter</b>              | 50-250mm* (species dependent - view <a href="#">Buying Guide</a> ) |
| <b>Wedge</b>                     | Hardened steel                                                     |
| <b>Cycle Time</b>                | 16 sec                                                             |
| <b>Hydraulic Oil Capacity</b>    | 3.5L                                                               |
| <b>Hydraulic Oil Type</b>        | ISO 22 Grade                                                       |
| <b>Power Plug</b>                | Australian Standard 10 Amp                                         |

For more information about selecting the right log splitter view the [Buying Guide](#).



**Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

**Bäumr-AG®**  
.com.au