CXLOG
5 TON LOG SPLITTER
User Manual
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GENERAL SAFETY INSTRUCTIONS

Extreme caution should be used when operating all power tools. Know your power tool, be familiar with its operation, read through the owner’s manual and practice safe usage procedures at all times.

حماية السلامة العامة

على استخدام الابتعاد العظيم عند استخدام جميع أدوات القوة. تعرف على أدوات القوة، صقل معرفتك بها، قارن التوقيتية، قارن الأطراف المفقودة عند التمرين. يثني على أخذ تلك الإجراءات بأمان.

أناشدك برجوع إلى سماك السطح قبل تشغيلك. حافظ على الحماية في مكانها ومشغولة. قللي نفسك على أن تكون الرأس في مكانها ومشغولة حتى تشغيل الأداة. بغض النظر عن الأجزاء المفقودة أو الفاشلة، قلليها قبل استخدامها.

أناشدك برجوع إلى التشييد الدقيق. لا تلبس معطفًا نفسيًا كبيرًا، أو العين الشوكية أو العين الساذجة. بل تعشع فيها الحياح، وترفع فيها ثوبك، والأقمشة، والكتب، والد-heart. بل تجعله في مكانها. تعرف على أن الأجزاء المفقودة أو الفاشلة كثيرة، حاول ببطء وحذر في العمل. حافظ على حذاء غير سلقي وسادي ثابت.

أناشدك برجوع إلى الحماية المحيطة. أي سنة سطح الماء قد تطمغ الأداة القوية في العين. قد تكون هذه الإصابة الحادة. حافظ على الإطارات في مكانها ومشغولة. لا تضع الإطارات على الباهية. على الأداة والعملية. هذه هي إطارات الرياح المريحة لمسة الماء أو الطين.

أناشدك برجوع إلى النقل الكهربائي. يجب استخدام النقل الكهربائي بشكل غير كافي. كيف يمكن أن يؤدي النقل الكهربائي إلى مستوى الأداء الذي يمكن أن يؤدي إلى زيادة الأداء. قلليه في لون النيكولا لباس. قلليه في لون النيكولا لباس. قلليه في لون النيكولا لباس. قلليه في لون النيكولا لباس. قلليه في مراقبة الأداء. قلليه في مراقبة الأداء. قلليه في مراقبة الأداء.
**KEEP VISITORS AND CHILDREN AWAY.** The log splitter must be always operated by one person only. Keep others at a safe distance from the work area, especially when the log splitter is under operations. Never use another person to help you with freeing a jammed log.

**INSPECT YOUR LOG SPLITTER.** 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 off flush with the trunk.

**DON'T OVERREACH.** Keep proper footing and balance at all times. Never stand on the log splitter. Serious injury could occur if the tool is tipped or if the cutting tools is unintentionally contacted.

**AVOID INJURY FROM UNEXPECTED ACCIDENT.** Always pay full attention to the movement of the log splitter. Do not attempt to load a log until the log pusher has stopped. Keep your well away of all moving parts.

**PROTECT YOUR HANDS** Keep your hands away from splits and cracks which open; They may close suddenly and crush or cause serious injury. Do not remove jammed logs with your hands.

**DON'T FORCE TOOL.** It will do a better and safer job at its designed rate. Never try to split logs larger than those indicated in 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** Do not leave the tool until it has come to a complete stop.

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

**PROTECT THE ENVIRONMENT.** Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

**MAINTAIN YOUR LOG SPLITTER WITH CARE.** Keep the log splitter clean for the 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.

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**WARNING**

The safety instructions given above can not be complete because the environment in every shop is different. Always consider safety first as it applies to your individual working conditions.
APPLICATION CONDITIONS
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.

SPECIFICATIONS

- Model Number ...................... CXLOG (LSP0552)
- Motor .................................. 120V~ 60Hz  1500W
- Log Capacity
  - Diameter ............................... 5 ~ 25cm (2" - 9.8")
  - Length ............................... 52cm (20")
- Splitting Force ..................... 5 TONS
- Hydraulic Pressure ............... 20Mpa
- Hydraulic Oil Capacity .......... 4.2L
- Overall Size
  - Length ............................... 940mm (37")
  - Width ............................... 260mm (10.2")
  - Height ............................... 480mm (18.9")
- Weight ............................... 44kg

The diameter of the log is indicative – a small log can be difficult to split when it has knots or has a particularly tough fiber structure.
ELECTRICAL REQUIREMENTS

Connect the main leads to a standard 120V, 60Hz, electrical supply which has breaker protection devices.

SET UP AND PREPARATION FOR OPERATION

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. Familiarize yourself with the controls and features of this log splitter in the illustrations.

   1. Log Pusher
   2. Work Table
   3. Wedge
   4. Lift Handle
   5. Support Leg
   6. Log Retaining Plates
   7. Switch
   8. Motor
   9. Pushbutton Box
   10. Wheels for Minor Moving ONLY.
   11. Hydraulic Control Lever
   12. Control Lever Guard
   13. Bleed Screw
   14. Oil Drain Bolt w/ Dipstick
       Max Pressure Limiting Screw
       (see figure 1)

WARNING!

Before operating the log splitter, the Bleed Screw should be loosened until air can flow in and out of the oil tank smoothly. Air flow thru the Bleed Screw hole should be detectable when the log splitter is being operated. Before moving the log splitter, make sure the Bleed Screw is tightened to avoid oil leaking from this point.

FAILURE TO LOOSEN THE BLEED TO LOOSEN THE BLEED SCREW WILL KEEP THE SEALED AIR IN THE HYDRAULIC SYSTEM FROM BEING COMPRESSED AFTER BEING DECOMPRESSED. SUCH CONTINUOUS AIR COMPRESSION AND DECOMPRESSION WILL BLOW OUT THE SEALS OF THE HYDRAULIC SYSTEM AND CAUSE PERMANENT DAMAGE TO THE LOG SPLITTER.
This log splitter is equipped with “ZHB” control system that requires to be operated by both hands of the user – The left hand controls the hydraulic control lever while the right hand controls the pushbutton switch. The log splitter will freeze upon absence of either hand. Only after both hands release the controls, the log pusher will start to return to the starting position. (see figure 2)

A 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 your index finger before pushing the Hydraulic Control Lever forward.

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 such an extremely hard log, rotate it $90^\circ$ 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.

**WARNING!**
Do Not Adjust The Maximum Adjust.

**PRESSURE LIMITING SCREW!**
Maximum pressure setting has been factory set by a qualified professional prior to leaving the factory and the max pressure limiting screw is sealed to ensure the log splitter works under pressure of no more than 5 tons.

Unauthorized resetting will cause the hydraulic pump to fail to reach the requires pressure and can RESULT IN SERIOUS INJURY AS WELL AS DAMAGE TO THE MACHINE. (see Wiring Diagram and Plumbing Diagram)
WARNING!
Always set the log firmly on the log retaining plates and work table. Make sure the log 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. (see figure 3)

FREEING A JAMMED LOG

- Start the log splitter to push the wedge completely under the jammed log.
- Repeat above procedure with a sharper sloped wedge until the log is completely freed. (see figure 4)

WARNING!
Do not try to knock the jammed log off the work surface, the log retaining plates and work table. This can damage the machine or may launch the log and cause an injury. (see figure 5)

Break the log in the direction of its growing grain. Do not place the log across the log splitter for splitting. It may be dangerous and may seriously damage the machine. Do not attempt to split more than one log at a time. One of them may fly up and hit you.

FREEING A JAMMED LOG

- Release both controls.
- After the log pusher moves back and completely stops at its starting position, insert a wedge under the jammed log.
REPLACING THE HYDRAULIC OIL

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

- Make sure all moving parts have stopped and the log splitter is unplugged.
- Unscrew the Oil Drain Bolt and remove the dipstick.
- Turn the log splitter onto the Support Leg side over a 4 liter capacity container and drain the hydraulic oil out of the machine.
- Turn the log splitter onto the motor side.
- Refill with fresh hydraulic oil at the volume as specified on the above table.
- Clean the surface of the Dipstick and put it back into the oil tank while keep the log splitter in a vertical position.
- Make sure the level of the refilled oil is just between the 2 grooves around the Dipstick.
- Clean the Oil Drain Bolt before threading it back into the machine. Make sure they are tightened to avoid leakage before placing the log splitter back into the horizontal position. (see figure 6,7)

WARNING!
Periodically check the oil level to ensure it is between the 2 grooves around the Dipstick. Upon lower oil level, oil refilling is required.
Following hydraulic oils or equivalent are recommend for the log splitter's hydraulic transmission system:
SHELL Tellus 22  
MOBIL DTE 11  
ARAL Vitam GF 22  
BP Energol HLP-HM 22

**SHARPENING WEDGE**
After using the log splitter for some time, sharpen the wedge of the log splitter using a fine-toothed file and smooth any burrs or crushed areas along the cutting edge.

**TROUBLE SHOOTING**

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>PROBABLE CAUSE</th>
<th>REMEDY SUGGESTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor Won’t Start</td>
<td>Overload Protection Device disengaged to protect the log splitter from being damaged</td>
<td>Contact a qualified Electrician for opening the Pushbutton Box to engage the Overload Protection Device inside *</td>
</tr>
<tr>
<td>Log is improperly positioned</td>
<td>Log is improperly positioned</td>
<td>Refer to “Log Splitter Operation” section for perfect log loading.</td>
</tr>
<tr>
<td>The sizes or hardness of the log exceeds the capacity of the machine</td>
<td>The sizes or hardness of the log exceeds the capacity of the machine</td>
<td>Reduce the log sizes before splitting it on the log splitter</td>
</tr>
<tr>
<td>Wedge cutting edge is blunt</td>
<td>Wedge cutting edge is blunt</td>
<td>Refer to “Sharpening Wedge” section to sharpen the cutting edge.</td>
</tr>
<tr>
<td>Oil leaks</td>
<td>Oil leaks</td>
<td>Locate leak(s) and contact the dealer</td>
</tr>
<tr>
<td>Unauthorized adjustment was made on Max. Pressure Limiting Screw. Lower max pressure rating was set.</td>
<td>Unauthorized adjustment was made on Max. Pressure Limiting Screw. Lower max pressure rating was set.</td>
<td>Contact the dealer.</td>
</tr>
</tbody>
</table>
| The log pusher moves jerkily, taking unfamiliar noise or vibrating a lot | The log pusher moves jerkily, taking unfamiliar noise or vibrating a lot | Check oil level for possible oil refilling.  
Contact the dealer. |
| Oil leaks around cylinder ram or from other points. | Oil leaks around cylinder ram or from other points. | Loosen Bleed Screw by 3 ~ 4 rotations before operating the log splitter  
Tighten the Bleed Screw up before moving the log splitter.  
Tighten the Oil Drain Bolt with Dipstick.  
Contact the dealer |

* HUDS-28P: 1.5 kVA Power Supply is required.
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<thead>
<tr>
<th>No</th>
<th>Name</th>
<th>Quantity</th>
<th>No</th>
<th>Name</th>
<th>Quantity</th>
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<td>Big spring</td>
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<td>Rod plastic cover</td>
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<td>Washer 14</td>
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<td>Wheel</td>
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<td>Anti-loose nuts M14</td>
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<td>Cross half-round head bolt M6X10</td>
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<td>head and low square neck M6X20</td>
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</table>
CRAFTEX 3 YEARS LIMITED WARRANTY

Craftex warrants every product to be free from defects in materials and agrees to correct such defects where applicable. This warranty covers three years for parts and 90 days for labour (unless specified otherwise), to the original purchaser from the date of purchase but does not apply to malfunctions arising directly or indirectly from misuse, abuse, improper installation or assembly, negligence, accidents, repairs or alterations or lack of maintenance.

Proof of purchase is necessary.

All warranty claims are subject to inspection of such products or part thereof and Craftex reserves the right to inspect any returned item before a refund or replacement may be issued. This warranty shall not apply to consumable products such as blades, bits, belts, cutters, chisels, punches etceteras. Craftex shall in no event be liable for injuries, accidental or otherwise, death to persons or damage to property or for incidental contingent, special or consequential damages arising from the use of our products.

RETURNS, REPAIRS AND REPLACEMENTS

To return, repair, or replace a Craftex product, you must visit the appropriate Busy Bee Tools showroom or call 1-800-461-BUSY. Craftex is a brand of equipment that is exclusive to Busy Bee Tools.

For replacement parts directly from Busy Bee Tools, for this machine, please call 1-800-461-BUSY (2879), and have your credit card and part number handy.

- All returned merchandise will be subject to a minimum charge of 15% for re-stocking and handling with the following qualifications.
- Returns must be pre-authorized by us in writing.
- We do not accept collect shipments.
- Items returned for warranty purposes must be insured and shipped pre-paid to the nearest warehouse.
- Returns must be accompanied with a copy of your original invoice as proof of purchase. Returns must be in an un-used condition and shipped in their original packaging a letter explaining your reason for the return. Incurred shipping and handling charges are not refundable.
- Busy Bee will repair or replace the item at our discretion and subject to our inspection.
- Repaired or replaced items will be returned to you pre-paid by our choice of carriers.
- Busy Bee reserves the right to refuse reimbursement or repairs or replacement if a third party without our prior authorization has carried out repairs to the item.
- Repairs made by Busy Bee are warranted for 30 days on parts and labour.
- Any unforeseen repair charges will be reported to you for acceptance prior to making the repairs.
- The Busy Bee Parts & Service Departments are fully equipped to do repairs on all products purchased from us with the exception of some products that require the return to their authorized repair depots. A Busy Bee representative will provide you with the necessary information to have this done.