

# Wood splitters 6 and 8 tons

## User Manual Original manual



Model: LS6000C



Model: LS8000B

ALWAYS READ INSTRUCTIONS BEFORE USING THE MACHINE


# DK·TEC

# SAFETY LABELS



## Symbol explanations:

The following symbols are used in this user manual and/or on the machine.





## Product safety:

			
The product meets the requirements EU standards			


## Prohibition:

			
General prohibitions (in conjunction with any other icon)	No smoking!	No open flames!	No use in closed rooms!




## Warnings:

			
Warning/caution	Warning against dangerous voltage	Keep a safe distance	Warning! Risk of being crushed




## Commander:

			
Read the user manual before using the machine	Use safety glasses and hearing protection	Use safety gloves	Use safety shoes

### Environmental protection:

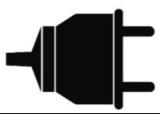

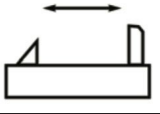

			
Dispose of waste professionally so as not to harm the environment	Wrapping in paper material can be delivered to collection points for recycling	Any defective and/or discarded electrical or electronic devices must be delivered to appropriate collection centres	


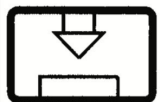


### Packaging:

			
Protect from moisture	This side Up	Warning - fragile	

Before using the mower for the first time, it is necessary to check all the safety devices (especially two-hand control).

### Technical specifications:

			
Connection	Engine power	Hoof lift	Split tree length

			
Hydraulic pressure	Cleavage power	Weight	No heavy load

# SAFETY INSTRUCTIONS

## **In general:**

For safety reasons, the safety instructions mentioned in this user manual and the instructions on the machine regarding operation, maintenance and repair must be observed and followed.

## **Operating staff:**

**Risks may be associated with using clover. Therefore, only trained and experienced persons may handle and work with the machine. The operator must wear close-fitting clothing and protective shoes.**

**Persons under the age of 18 may not work with the tree trimmer. However, persons over the age of 16 can work with the woodcutter for learning purposes if supervised by a professional.**

## **Workplace:**

To ensure safe tree splitting, it is necessary that the workplace is level and enables stability in the work as well as sufficient free movement. All obstacles must be removed from access paths when transporting the clover. Adequate lighting must be available at the workplace.

## **Work preparation:**

The electric power supply must be disconnected when repairing or maintaining the clover. This is done by removing the plug from the socket and pressing the red button. **Interruption of the electrical power supply by turning the switch to OFF is not enough!**

The tree cleaver is always supplied with hardened cleaver blades. If, when using the machine, there is minor damage to the knife edge after splitting wood containing invisible foreign elements, e.g. out of concrete, steel, etc., it must be removed with a file or sanded off. By keeping the cleaver sharp at all times, increases operation.

**TIP: Lubricate the splitting knife with grease from time to time (for problematic wood).**

# Risks and protective measures



## WARNING!

It is strictly forbidden to switch off, modify, block, disassemble or install parts on the safety and protection parts of the machine. It can lead to serious or life-threatening injuries if this is not observed. DK-TEC cannot be held responsible for material and personal damage that occurs as a result of such negligence. Any warranty claims do not apply to negligence mentioned above.

## Mechanical risks

Risk	Description	Protective measure(s)	Risk
Fastening	Parts of the body can be trapped or amputated when splitting due to hydraulic blade lowering. Risk of split wood being pressed. Be aware that the wood is strongly tensioned when it is removed, whereby your fingers can be pinched in the clover crack.	Only use the clover with the use of both hands. Do not reach into the cleavage. Never operate the machine with two people. Split only jammed wood. There must be supported to hold the tree after splitting. Be aware of falling wood as this can injure the operator. A device for holding the tree before and during splitting must be present.	Any worn or damaged aid must be replaced immediately. Be aware of spectators! Safety shoes must always be worn when working with the machine.
Cleavage	Parts of the body can be jammed or amputated when cleaving with hydraulic knife lowering.	Only use the clover with the use of both hands. Do not reach into the cleavage.	Any worn or damaged aid must be replaced immediately.
General damage	When processing dry wood, intensive splitting can cause serious damage. Logs created during splitting can fall down and injure, in particular, the operator's legs.	Do not reach into the cleavage. Always maintain a sufficient safety distance. The machine must always be operated carefully. Wear specified protective clothing, safety shoes and goggles at all times. Be careful.	Any worn or damaged aid must be replaced immediately. Be aware of spectators!

Stuck/wounded	Loose clothing, jewelry and long hair can get caught in the moving parts	Tight-fitting clothing should always be worn, do not wear jewelry and protect your hair with a hair net	
---------------	--	---	--

## Electrical hazards

Risk	Description	Protective measure(s)	Residual risk
Direct electrical contact	A faulty cable or plug can be the cause of electric shock	Always have faulty cables or plugs replaced by an expert. Only use the machine with a safety switch against alternating current	Check the supply cable each time the machine is to be used
Indirect electrical contact	Electrical shock of conductive parts by exposed electrical or defective design components	Remove the plug from the socket when servicing. Only use the machine with a safety switch against alternating current	

## Exposure to noise

Risk	Description	Protective measure(s)	Residual risk
Hearing damage	Prolonged work with the machine can damage hearing	Hearing protection must always be worn	

## Neglect of the ergonomic principles

Risk	Description	Protective measure(s)	Residual risk
Careless use of personal protective agents	Careless use of personal protective agents	Wear specified protective clothing at all times. Work carefully.	
Inappropriate local lighting	Inadequate lighting poses a high safety risk.	There must be adequate lighting at all times when working with the machine.	

## Other risks

<b>Risk</b>	<b>Description</b>	<b>Protective measure(s)</b>	<b>Residual risk</b>
Residual risks	Mechanical parts can hurt your eyes when split.	Safety glasses must always be used when working with the machine.	

# Operator requirements

The operator must carefully read the operating instructions before putting the machine into use.

## **Qualifications:**

No special qualification is required to use the machine apart from detailed instruction from an expert.

## **Minimum age:**

The machine may only be operated by persons over 18 years of age. An exception includes young people who use the machine as part of their vocational training to acquire necessary skills under the supervision of the teacher.

## Action in emergency situations

Perform the first aid appropriate to the injury and get qualified medical attention as soon as possible. Protect the casualty from more accidents and calm him/her down.

**In the event of an accident, a workplace must be equipped with a first aid kit. It is essential to replace all used material in the first aid kit immediately after use. If you are looking for help, please provide the following information:**

- 1. Accident site**
- 2. Type of accident**
- 3. Number of injured**
- 4. Damage type(s)**



# Service and treatment

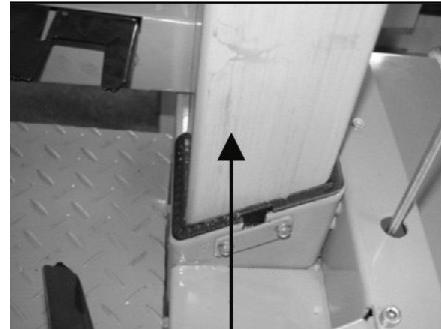
Keep the woodcutter clean at all times.

Change the hydraulic oil after approximately 500 hours of operation. Use regular hydraulic oil.

**Lubricate the cleaver with grease each time the machine is to be used - this will increase the life of the cleaver.** When replacing parts on the machine, only original spare parts may be used.

Regularly check the tightness and strength of hydraulic hoses and hose connections.

**WARNING! Only add oil when the clevis head is in the engaged position.**



## Field of application

The machine may only be used for splitting firewood. Split material must have the following dimensions:

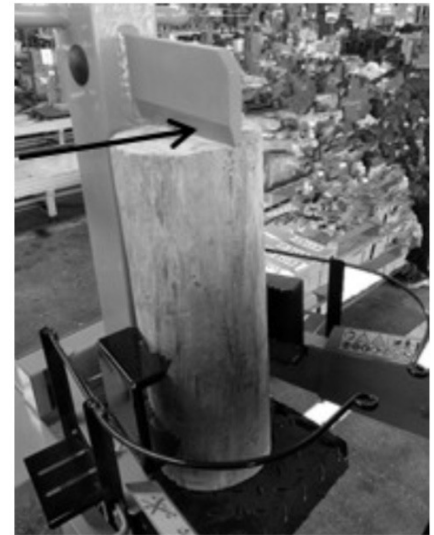
- Minimum diameter: 80 mm
- Maximum diameter: 350 mm
- Only splitting wood along the grain of the wood is permitted.
- The pressed piece of wood can be released by lightly tapping the wood.
- It is forbidden to cut the split tree free!

## Application

1. Start the engine by pressing the green button. **WARNING! Make sure the direction of motor rotation matches the 400 V setting!** Stop the engine by pressing the red button.
2. Keep the supply cable as short as possible for the 230 V models and choose as large a cross-section as possible.
3. When the temperature is low, allow the cleaver to idle for about 15 minutes before use to allow the oil to warm to a suitable temperature.
4. Place the material to be split on the splitting table and hold it firmly using the control handles.
5. The splitting starts by pressing both handle down.
6. During splitting, the wedge usually holds the wood in the splitting position.

7. After splitting is complete, lift at least one handle, whereby the splitting head will automatically rise.
8. After splitting, the wood is placed in a separate storage area.

**The use of wood splitters, where two people respectively hold the tree and another drives the splitter head downwards, is strictly prohibited.**

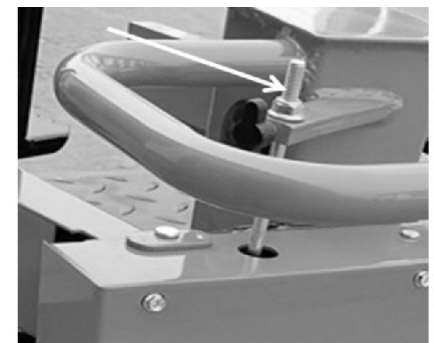


## Height settings

The operating energy can be increased by shortening the distance of the cleaver head's backward movement, for pieces of wood smaller than approximately 50 cm.

### **Proceed as follows:**

Place a low piece of wood on the splitting table and lower the splitting head to approximately 2 cm above the piece of wood. Switch off the clover (red button on the switch and pull out the plug). Now you can shorten the movement of the clevis head by means of a side bound rod, by fixing the rod in the desired position using the adjustment screw (see picture).



## Electrical/hydraulic connection

### **Connection:**

All clovers are equipped with an undervoltage solution in the contact. This prevents the machine from starting itself if the power supply is interrupted as a result of a power cut, accidental disconnection, faulty fuse, etc. The machine must be switched on by pressing the green button. Deliberately holding or blocking the switch button may lead to failure automatically power failure. In such case, which can be identified later, the warranty does not apply.

### **Only for 400 V machines:**

The direction of engine rotation (see the arrow on the machine) must be observed, as use with the wrong direction of rotation can damage the oil pump. In that case, all claims in connection with the guarantee will not apply.

### Hydraulic equipment:

Tightening must be checked at hydraulic hoses and couplings after approximately 4 hours of operation and tightening must be carried out if necessary.

### Hydraulic oil / tank

Ordinary hydraulic oil can be used for all clovers. Oil change is not necessary.



## Transport instructions

### Transportation:

All wood splitters are equipped with large wheels. To transport the mower, grasp the handle of the mower head with one hand and the handle above the motor with the other hand and gently tilt the mower toward you. In this position, the clover can be easily moved.

**To prevent hydraulic oil leakage, the clover must never be moved when it is lying down. Lower the riving blade completely when moving the machine.**

## Betrayal

Betrayal	Cause	Solution
No cleavage effect	<ul style="list-style-type: none"><li>• Wrong direction of rotation (400 V only)</li><li>• Too little hydraulic oil</li><li>• The shift rod is bent; the hydraulic lifter is not fully pressed</li></ul>	<ul style="list-style-type: none"><li>• Have the direction of rotation changed by a professional</li><li>• Add hydraulic oil</li><li>• Adjust the rod mechanism; tighten the relevant nuts.</li></ul>
The green button does not stay lit	<ul style="list-style-type: none"><li>• Earth connection not connected</li><li>• Defective fuse etc. (400 V only)</li><li>• 2-phase operation (400 V)</li></ul>	<ul style="list-style-type: none"><li>• Have the cable or network checked by a professional</li><li>• Check the cable</li></ul>
Hydraulic pump pipes; the cleaver moves	<ul style="list-style-type: none"><li>• Too little hydraulic oil</li></ul>	<ul style="list-style-type: none"><li>• Add hydraulic oil</li></ul>

The machine must not be used for anything other than the work for which the machine was designed and which is described in this user manual.

EC DECLARATION OF CONFORMITY DK

**Manufacturer**

Laizhou New Hardware Machinery Co., Ltd.  
Daiyuan Rd. Development Zone, Laizhou, Shandong  
261411, PR  
China



Hereby declares that the following machine:

**Designation:** Clover  
**Model:** LS6000

**Is manufactured in conformity with following EC directive:**

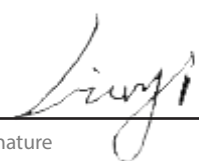
- Machinery Directive 2006/42/EC

**Applied standards:**

EN 60204-1:2006+A1:2009+AC:2010 EN  
609-1:2017

Mr. Shaopeng Song 9/11/2021

name and date

  
signature

**Find spare parts/parts list for  
your item at [www.dk-tec.dk](http://www.dk-tec.dk)  
under the machine itself.**