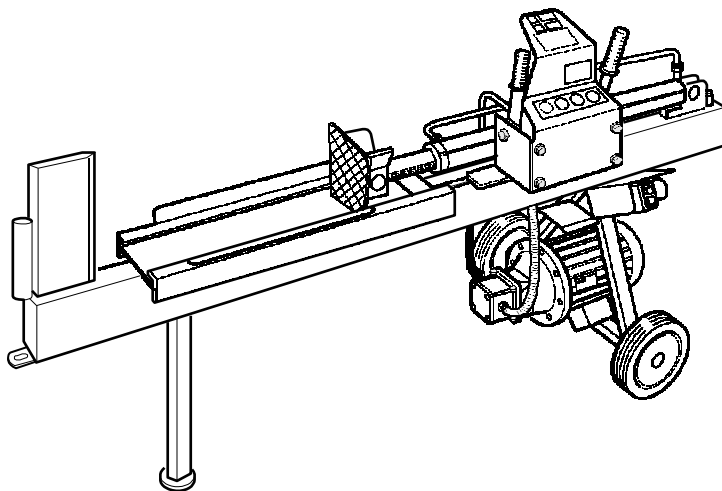


Faxes

Operation manual for
log splitter ELH500, ELH700,
ELH1100, TRH700 och TRH1100



Read all instructions before using the log
splitter, especially safety instructions.

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Symbol Explanation

Graphic symbols are used to inform and obtain maximum safety. Please read carefully the following sections.



WARNING! Log splitters can be dangerous. Misuse may cause serious injuries



WARNING! Serious risk of crushing



WARNING! High voltage
(The label is attached to the electric motor and starter)



Wear gloves



Wear safety goggles or face shield



Use ear protection



Wear safety shoes



The CE label indicates that the machine is CE certified

Company Presentation

Faxes Fabriks AB is a family owned business, established 1910th. The production of firewood machines is now in the third generation. The factory is located in Västbo often referred Gnosjö region. Sweden's most industrialized area. We would like to thank you for your confidence of buying a Faxes machine, and wish much pleasure with your new log splitter.

Product Presentation

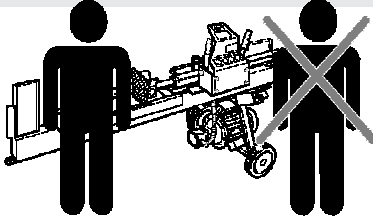
The log splitter is a stable and robust Swedish-made machine. Designed and built to the highest level of security and of course meet all CE directives. The Log splitter is built on a strong RHS-beam, which also serves as an oiltank. The hydraulic cylinder is operated with both hands, as soon as the lever is released, the cylinder stops. If both levers are released, the hydraulic cylinder will go back to the starting position. Pressure force is 7 tonnes at 210 bar. This allows the log splitter to handle all types of firewood.

SECURITY



WARNING!

The log splitter can only be used in the manner prescribed in this manual. The user is responsible that the instructions are read and followed



WARNING!

Log splitter must under no circumstances be handled by more than one person. Only the operator may stay in the area of 3 m around the machine



WARNING!

Serious risk of crushing.



WARNING!

All adjustments in the electrical equipment shall be performed by a **qualified electrician**

Personal safety



When working with the machine wear!
Gloves,
Safety goggles
Ear protection
Safety shoes

General safety

Never leave the machine unattended with the power turned on. During service it's always necessary to switch the electrical connection off. Pull out the power plug!

- The log splitter can be used only by adults who are familiar with the machine's functioning and well aware of the security measures described. It must not be handled by more than one person at a time
- Do not wear loose clothes or jewelry, wristwatches, etc. when working with the log splitter. These can be trapped or hooked up in the wood, or any machine part with a serious injury as a result.
- Always check that the wood to be split is free from objects that could damage your machine or cause personal injury.
- Keep the area around the machine clean, so you do not trip on the billet or other debris lying on the ground.

Machine safety



WARNING!

It is forbidden to remove the machine's warning signs and protective equipment. The machine must not be modified or rebuilt.

The log splitter can only be used to split logs. Any other use is strictly prohibited.

Operation

The machine must be set on a flat, stable surface. Ensure that the workspace has dimensions of at least 4x4 m. Keep good work around machinery

Use a conveyor to carry away the splitted wood.



Always check before use that the cables and power plugs not are damaged. The machine must only be connected to three-phase 400V power outlet. Make sure that the engine and hydraulic pump rotates in the right direction. The direction of rotation can easily be changed with the phase switch, that is mounted on the starting device. (See page 5)

Moving short distances

The log splitter is equipped with two transport wheels, which makes it easy to move. Lift the handle, which is located just above the support log under the wedge.

Do not move the machine with the engine running



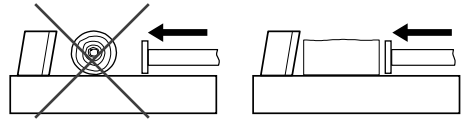
FORBIDDEN to use log splitter with defective or removed security features. ALWAYS SWITCH OFF the log splitter when you leave.

Storage of machinery

When not in use, the machine should be stored under roof or be well covered with crimps. Parts not rust protected can be protected with oil or rust preventive.

Splitting the wood

Add up the wood on the splitting area and adjust wood towards the wedge. The wood must be split along the fiber direction of the wood. Never place the wood transversely



WRONG

RIGHT

To eliminate the risk of crushing injuries the machine is operated with "TWO-HAND grip".

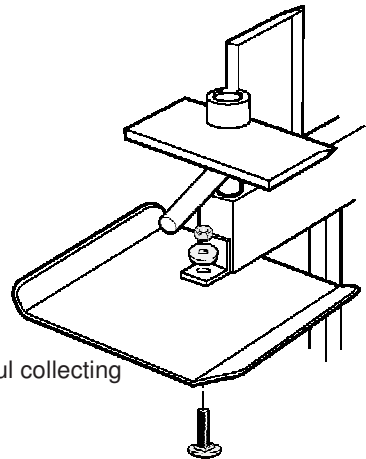
Wedge sharpening

If the knife after an operation becomes dull it can be sharpened with a file.

Pay close attention to the safety instructions that you find under the heading SECURITY on page 3

Collection plate

All log splitters comes with a handy collection plate in the standard version. The plate is simply screwed into the front of the splitter (see figure below). Screw and nut are in place at delivery.



Useful collecting plate

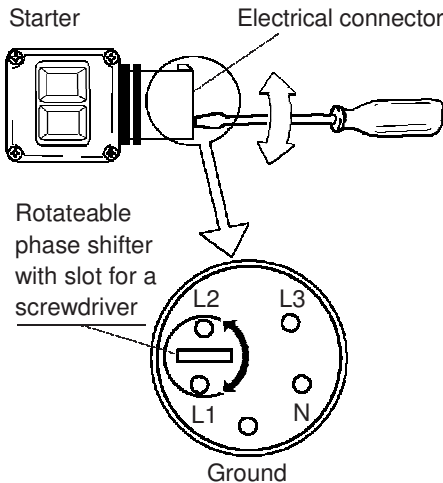
Start

Faxes log splitter comes complete with hydraulic oil, engine protection with zero-voltage trigger and phase shifter. Phase shifter is placed in the bottom of the electrical connector (see picture below). Hydraulic oil is contained in the beam that also serves as an oil tank.

When the splitter is started up, the rotation of the engine must be controlled. An arrow indicating the direction of rotation is located on the upper rear of the engine. If the hydraulic cylinder does not move forward, this is a sign that the engine is running in the wrong direction. Stop at once and change the direction of rotation.

Motor rotation is changed simply by rotating the phase shifter with a screwdriver.

Phase shifter



The phases will simply be shifted by rotating the slot a half turn with a screwdriver.

Oil change

The hydraulic oil in the new machine should be replaced after approximately 20 hours. Thereafter the oil don't need to be changed after a few years, during normal operation.

Oil volume:	Model	Numb. of liters
	500mm	9-10
	700mm	12-13
	1100mm	15

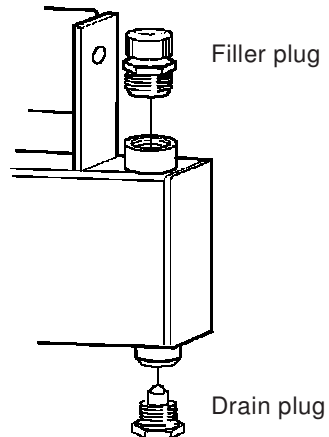
Oil type:

Hydraulic oil with viscosity of 32 or 46 shall be used!

The Log splitters optimum performance can only be guaranteed if it's running on hydraulic oil. It's important that oil with correct viscosity is being used. Do not use lubricating oil or motor oil, etc. It can damage important parts of the machine. Hydraulic oil can be found on well-stocked supermarkets and gas stations. (The brand of the hydraulic oil is not important.)

Follow these steps:

1. Place a big bucket or container under the drain plug. Loosen the plug, let the oil run out. On the drain plug there is a magnet designed to catch any metal contamination, clean it and screw the plug again.
2. Use a funnel or similar to fill the new oil. Rec. volume see table above. Screw the filler plug and the oil change is ready.



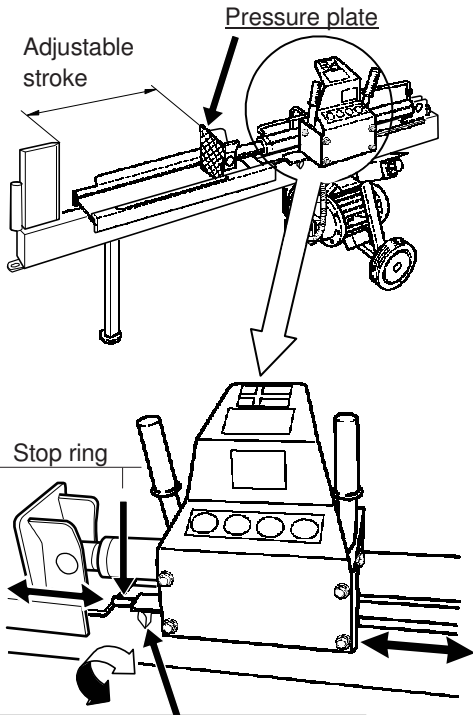
Log splitter model 700 mm and 1100 mm

Adjustable stroke

The two models 700 mm and 1,100 mm, are equipped with an adjustable stroke of the hydraulic cylinder. The stroke can be adjusted stepless between 0 - 700mm, respectively. 0 - 1100mm. Setting the desired stroke is made by an adjustable stop ring with a locking handle.

Follow these steps:

Run the pressure plate to the desired position. Use both operating levers. Drop one of the levers, then the pressure plate will stop. Turn the electric motor off. Bring the stop ring towards the lower edge of the pressure plate. Lock the stop ring in position with the locking handle.



Locking handle, placed under sheetcover

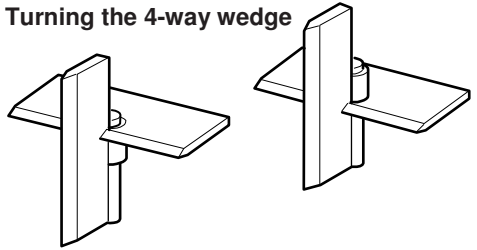
Accessories

4-way wedge

With help of the reversible four way wedge, the wood could be split into four parts in one operation.

The wedge can be varied in two different heights, giving different size of the cleft wood. Adjusting the height of the wedge can easily be done by turning the entire wedge upside down.

Turning the 4-way wedge



Wedge in highest position

Wedge in lowest position

Troubleshooting



WARNING! Any kind of troubleshooting:
Make sure the machine is not swithed on.

Failure	Causes of failure	Action
Hydraulic cylinder does not move forward	The engine goes in the wrong direction.	<ul style="list-style-type: none"> • Switch the Phases, see page 5. • Check the fuses. • Try another electrical outlet. If this does not help, contact a qualified electrician.
Machine does not start	Failure of power source	Measure the voltage, control
The machine is powerless	Pipes or hydraulic hoses are clamped	Make sure that no pipes or hydraulic hoses are clamped
The machine is powerless	Incorrect oil or leakage	Check for leaks. Make sure that you used the correct hydraulic oil at oil change.

Technical data

Technical data	500mm	700mm	1100mm
Pressure power	7 ton	7 ton	10 ton
Pump pressure	210 bar	210 bar	210 bar
Cycletime forwards	4 sek	5 sek	10 sek
Cycletime return	1,5 sek	2 sek	5 sek
Engine power	3 kW	4 kW	4 kW
Pump capacity	11 cm ³ /sek	14 cm ³ /sek	14 cm ³ /sek
Length	1500 mm	2000 mm	2700 mm
Width	700 mm	700 mm	700 mm
Height (working position)	700 mm	700 mm	700 mm
Length of knife	290 mm	290 mm	290 mm
Weight	105 kg	125 kg	165 kg

Warranty

The machine is tested and test run before delivery.

Faxes leave **one year** warranty on materials and workmanship. The warranty does not apply on worn parts or damage caused by improper or rough handling.

EU CERTIFICATE OF CONFORMITY

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We hereby certify that this product: Electric hydraulic log splitter

Type: ELH500, ELH700, ELH1100 , TRH700 och TRH1100

Conforms to the following directives and standards.

Directives:
Machinery Directive 2006/42/EG
Low Voltage Directive 2006/95/EG

Standards:
SS-EN609-1+A2:2009

Burseryd 28. 01. 2010



Lars Davidsson, Managing Director