

# **Kellfri®**

## **13-VK700**

## **13-VK1100**

# **FIREWOOD SPLITTER**



**CAREFULLY READ THE OPERATING INSTRUCTIONS BEFORE USING THE PRODUCT!**  
**OPERATING INSTRUCTIONS TRANSLATED FROM THE ORIGINAL**

## INTRODUCTION

Thank you for choosing a product from Kellfri AB. By following the general safety information and the instruction manual and by using common sense, you will have a great and safety use of your Kellfri product for many years.

Kellfri designs and delivers effective, affordable machinery and components for forest, agriculture, construction and gardening in Sweden, other Nordic countries and Europe.

## PRODUCT INFORMATION

Kellfri's tractor-driven log splitter with variably adjustable splitting length, 300-700 mm. The splitting length is set using an adjuster on the control rod. The log splitter is connected to the tractor's three-point linkage and the hydraulic hoses are connected to the pressure and return outlets. To prevent side forces from occurring in the splitting cylinder, the pressure plate runs on rails in the frame beam. Kellfri's log splitter has a proven design based on long, extensive experience. 4-way splitting wedge and work table are standard.

## INTENDED USE

Only use the machine for log splitting. The machine is designed as single-purposed tool.

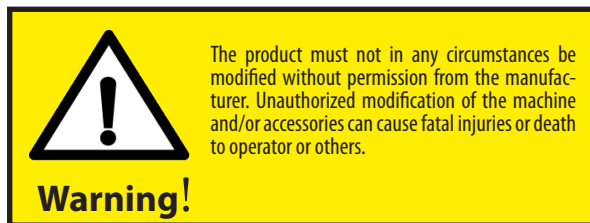
TECHNICAL DATA	13-VK700	13-VK1100
Length, mm	1900	2730
Splitting length adjustable, mm	700 mm	1100
Splitting force, ton	7 ton	7 ton
Operation height, mm	720 mm	720 mm
weight, kg	144 kg	168 kg
Width, mm	960 mm	960 mm
Total height	1390 mm	1390 mm

## FOR YOUR SAFETY

Before using the product, please read the safety information and instruction manual and understand its contents for your own and others' safety. Always keep the safety information and instruction manual easily accessible to the user of the product. Remember that it may be good for your own and others' safety to read the safety information every now and then. If the instructions manual is damaged or otherwise unusable, please contact your retailer.

For more information visit our website: <https://www.kellfri.co.uk/>

Do not use this equipment if you are feeling sick, tired or in influence of alcohol. Nor if you are under the influence of strong medications or drugs, suffering from strong depression or severe mental illness. Always follow the general traffic rules and regulations and the rules of the Animal Welfare Act. Persons under 15 years old and people with mental illness may not use these product.









## PRODUCTSAFETYINFORMATION

- Read the instruction manual carefully before using the machine
- Never put your hands or other body parts on the machine without stopping the machine and the tractor engine.
- Never leave the equipment with the tractor engine running. Turn off the engine and apply the parking brake when you leave the equipment, even for a short moment.
- Keep the work area free from other people, moving parts increases the risk of accidents.
- Do not use / store the machine where it is exposed to rain or moisture.
- Make sure the work area is well lit.
- Children must not be allowed within the work area, never let children handle machines, tools.
- The equipment works best and safest when it is used in the capacity it is intended for, do not try to increase machine capacity.
- Stand firmly and do not stretch over the machine while it is running.
- Check hydraulic hoses periodically, to ensure that no damage has occurred.
- Always disengage the machine when not in use and when it is serviced.
- Never overload the machine.
- Do not move the machine while it is running.
- Never leave the machine unattended when it is running.
- The log splitter must not be loaded by any person other than the operator, misunderstandings can easily lead to injuries. Keep hands off between the log and the knife.

## WARNING DECALS

Make sure warning decals are always visible and clean them when necessary. Do not use a high-pressure washer directly on the warning label. If a decal becomes worn or in any other way unusable, order a new set of decals.

SYMBOL	EXPLANATION
	Read the operating manual! Before carrying out work
	Warning! Risk of crushing! Never stand under suspended load ! Respect the equipment's risk zone of 5 m !
	Warning! Risk of crushing!
	Warning! Keep off the machine!
	Warning! Accident risk for children! Children are not allowed in the vicinity of the machine
	The product is CE marked

## PERSONAL PROTECTION

Always use suitable protection equipment. Do not wear loose clothing or jewellery while working with the equipment. Long hair should be tied up when working with equipment that has moving parts. Use protective gloves, protective glasses and ear defenders



## INSTRUCTIONS FOR EMERGENCY SITUATIONS

In case of emergency, call 112.

Always have a mobile phone or emergency phone available when working alone. A first aid kit and fire extinguisher must be kept in an easily accessible location when carrying out any work, maintenance and service.

## SURROUNDINGS

Make sure your working area is clear from people, children and objects before installing and using the machine. Risk of serious injuries can occur during operation. Take an extra caution when children are in the area where the equipment/ product is being use or stored. Check the area for low hanging electrical wires. Be careful when working on slopes and near ditches. Always work alone with single - purpose tools/products. Never have junk lying in your area. Keep working areas clean. Always respect the risk zone.



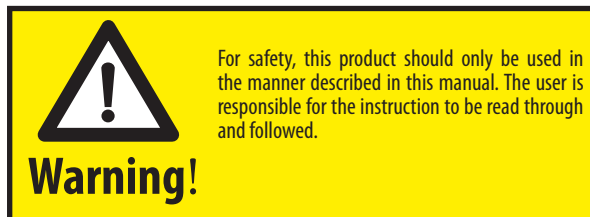
## SAFETY MEASURES BEFORE OPERATING

Read the safety information and instruction manual carefully. Be sure you understand the safety measures, instruction manual and warning labels. Use common sense when operating the machine and use appropriate personal protective equipment.

Always check the performance and the machine combination that are used. It's highly important these matches in a satisfactory manner. This is to ensure the product or the function and most important yours and others safety.

Do visual inspection of equipment or product before use. Fix or replace damaged or worn parts immediately to reduce the risk of injury. Lubricate moving parts and check that all screw-nuts and bolts are tightened.

Learn and remember the correct working methods. Beginners should always keep a low speed, use extreme caution before routine and product knowledge is achieved. The user/customer is responsible to handle the situation correctly. The product should not be taken into use unless it can be done in a safe way for the user.



## OPERATING THE MACHINE

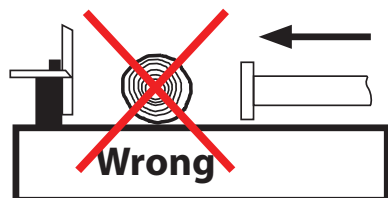
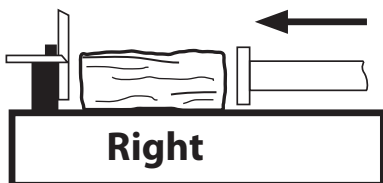
Only people who understand the safety information and instructions in this manual may operate the equipment. Be alert and careful when working with the machine and only use the tool or product in the manner described in this manual. When working with equipment that has moving parts, there is always the risk of injury. Be careful when working with equipment equipped with hydraulic hoses ,oil under pressure can penetrate the skin. Seek medical attention immediately if this occurs. Always work alone with the tools that are defined as single purpose tools. Respect the equipment's danger zone.

- Place the log splitter on a stable flat surface
- Mount the splitter to the tractor three point linkage.
- Connect hydraulic hoses to tractor hydraulics. Connect pressure- and return hoses to the tractor's hydraulic outlet.
- Fold down the wood collector.
- Familiarize yourself with the log splitter without starting it



## SPLITTING LOGS

- Make sure that no one has hands or arms on the splitting table.
- Load the log on the splitting table and align the it against the knife. The log should be split along the wood fibers. NEVER place the wood crosswise (see illustration) WARNING! Be careful when splitting of hardwood, knotty and / or crooked wood. Some types of wood can crack or fly off, which may result in injury.
- Take the control levers and start the splitting by bringing the ramming plate forward. The ramming plate will press the log against the splitting wedge.
- When you release the control lever the ramming plate will return back to its starting position.
- The stroke length is adjusted by moving the block on the log splitters side. Set it so that the ramming plate does not go beyond the length of the log. Move back the block again after use, so that the hydraulic piston is not unprotected.
- If the wood gets stuck in the splitting knife: Release levers so that the plate go back to its starting position, then remove the log tht that is stuck. Warning of crushing! Make sure the ramming plate is in its original possition and has stopped moving before you do anything whith the machine. NEVER put your hand or other body part between the knife and work table, instead use suitable tools such as shives or breaking bar to loosen the wood that is stuck. If you need force to loosen the wood use appropriate tools such as a rubber mallet, never use your hands!!



## TRANSPORT AND STORING

Make sure there are no people, children and foreign objects around the area before transporting the machine. Always take an extra caution during the transport. Ensure that the product is well secured and that transport brackets are mounted. Always place the load as low as possible. Respect the danger zone even during transport. When lifting the equipment, never go underneath suspended loads. Trailer used for transport should have working brakes.

Always store the machine in a dry place preferably underneath a cover when not in use. Ensure that the product is stable and not likely to tip over. Never let children play where the machine is being stored. Always keep in mind the risk of tipping!

## MAINTENANCE AND SERVICE

Ensure that the unit is stable and cannot tip over during maintenance and service. Replace damaged or worn parts immediately to reduce the risk of abrasion. Always perform maintenance, service and inspection, as recommended. Use only original replacement parts or spare parts with equivalent performance to reduce the risk of damage. All repairs and connections with electricity must be performed by a qualified person.

Check all nuts and bolts are tightened after performing maintenance and service. Always test the machine before using it.

SERVICE	INTERVAL	MEASURE
Nuts and bolts	Regular basis, preferably before each run	• Check and tighten all bolts and screws
Moving parts	After each run	Lubricate moving parts regularly

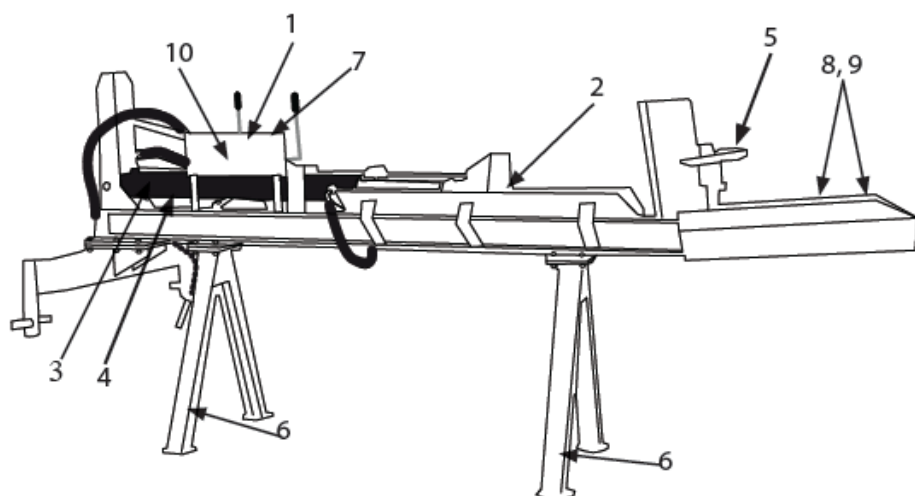
## FELSÖKNING

ERROR	PROBABLE CAUSE	MEASURE
The piston does not move forward	no pressure in the system	Check the oil level
The machine is not capable of moving the piston forward	No pressure in the system	Check for leaks make sure that all hoses and connections are intact

To get spareparts: Contact your retailer

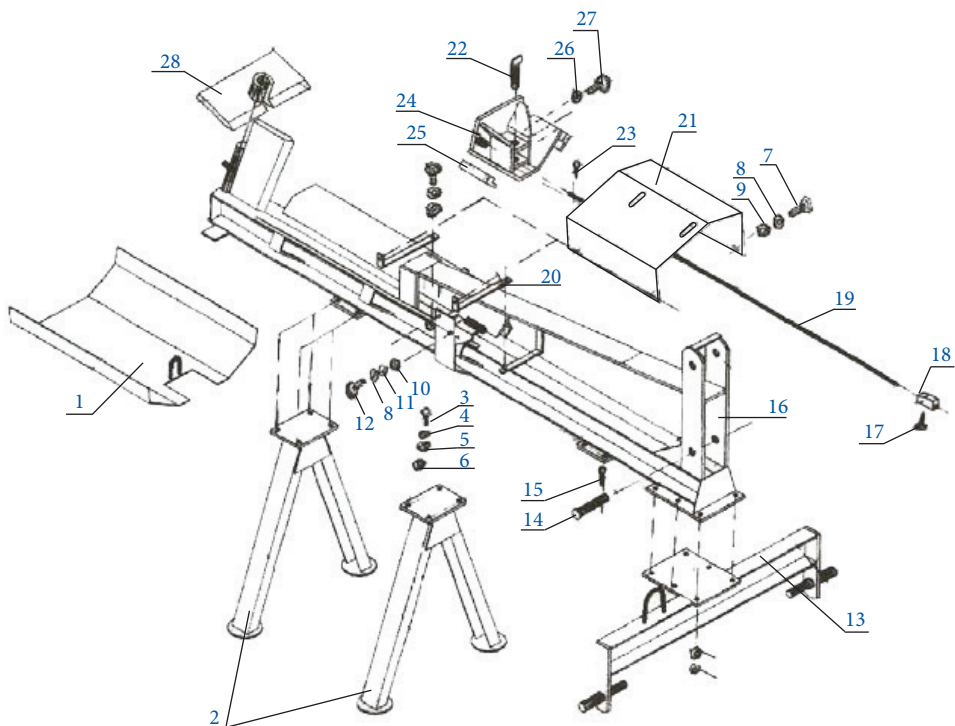
## RECYCLING

Disposal of the product, disassemble and transport to the municipality's recycling station. Contact your local authority for further information

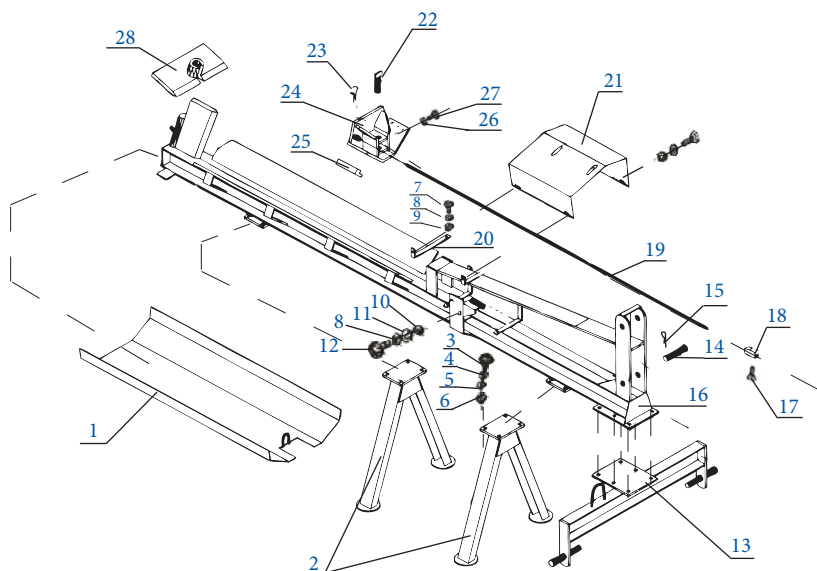


NO.	DESIGNATION	ART. NO
1	Valve kit 83084 (below protective plate )	R13-Vk700.013
2	Ramming plate	R13-VK700.10
3	Cylinder 63/50-700	R13-Vk700.027
4	Cylinder 63/50-1100	R13-VK1100.014
5	Transverse knife (VK700/VK1100)	R13-VK700.023
6	Support leg (VK700/Vk100)	R13-VK700.030
7	Lever housing to valve (not visible )	R13-VK700.019
8	wood collector 700	R13-VK700.001
9	wood collector1100	R13-VK1100.001
10	Protective plate over valve	R13-VK700.008





NO.	DESIGNATION	NO.	DESIGNATION
1	Wood collector	15	R-pin 4x40
2	Support legs	16	Frame
3	Bolt M12x40	17	Bolt M8x16
4	Washers M12	18	Stop wedge
5	Spring washer	19	Adjustment pole (stroke length)
6	Nuts	20	Guard for protective plate over valve
7	Bolt M8x20	21	Protective plate over valve
8	Washers M8	22	T-pin for pressure plate
9	Nylock nuts M8	23	Split pin 3x40
10	Nuts M8	24	Ramming plate
11	Spring Washers M8	25	The rammingplate's guide bracket
12	Bolt M8x70	26	Flat washer
13	Horizontal bar to VK700	27	Bolt M10x25
14	Locking pin to the tower	28	Four way wedge



## NO. DESIGNATION

1	Collection table
2	Support legs
3	Bolt M12x40
4	Washers M12
5	Spring washer
6	Nuts
7	Bolt M8x20
8	Washers M8
9	Nylock nuts M8
10	Nuts M8
11	Spring Washers M8
12	Bolt M8x70
13	Horizontal bar to VK700
14	in to the tower

## NO. DESIGNATION

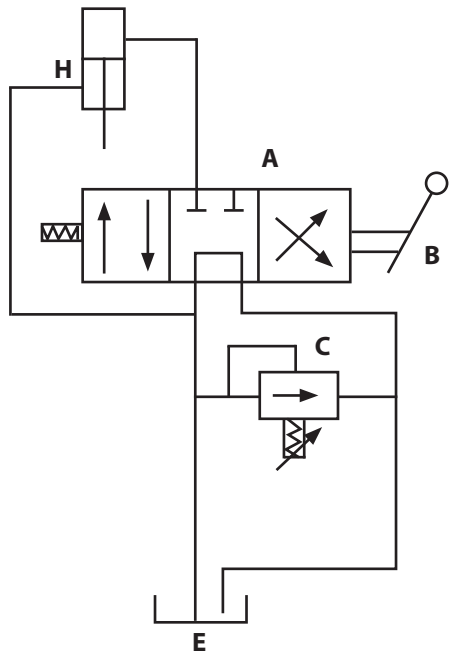
15	R-pin 4x40
16	Frame
17	Bolt M8x16
18	Stop wedge
19	Adjustment pole (stroke length)
20	Guard for protective plate over valve
21	Protective plate over valve
22	T-pin for ramming plate
23	Split pin 3x40
24	Rammingplate plate
25	Rammingplate's guide bracket
26	Flat washer
27	Bolt M10x25
28	Four way wedge



**VK700**



**VK1100**



HYD.DIAGRAM	DESCRIPTION
A	Hydraulic valve
B	Lever
C	Safety valve
E	Tank
H	Hydraulic cylinder

## WARRANTY TERMS AND CONDITIONS

Validity of the warranty - Kelifri's Warranty is valid 12 months from the date of purchase.

This warranty replaces - Compensation for spare parts after acknowledgment that the fault lies on the material or manufacturing defects.

This guarantee do not cover

- Labour costs
- Travel expenses
- Any modification that the buyer himself has/had made.
- Any consequential damages that occurred out of damage to the machine.
- Damage due to normal deterioration of the machine, inadequate service, user inexperience or use of spare parts which are not original.
- Wear parts such as hoses, seals, oils, and mechanical belts

## CE EG-FÖRSÄKRAN OM MASKINENS ÖVERENSTÄMMELSE, ORIGINAL EC-DECLARATION OF CONFORMITY

According to 2006/42/EC, Annex 2A

Kelfri AB

Munkatorpsgratan 6

532 37 Skara, Sweden

Declares that the machine

Name: 13-VK700, 13-VK1100

Type: Tractor- driven firewood splitter

Complies with all applicable provisions of the Machinery Directive 2006/42/EC.

Other equipment must meet the hardware requirements of the Directive.



Tina Baudtler, VD 2015.06.17

*Kelfri AB is constantly working on further developing their products and therefore reserves the right to modify, among other things the design and appearance without notice.*

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### CUSTOMER SERVICE

You are always welcome to give your feedbacks, reviews or ask us about our tools and products.

**Kelfri AB**

**Telefon: +46 (0)511 - 242 50**

**Fax: +46 (0)511 - 168 33**

**E-post: [info@kelfri.se](mailto:info@kelfri.se)**

