



Kellfri[®]

35-HKK

HYDRAULIC STRIMMER



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

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INTRODUCTION

Thank you for choosing a product from Kellfri AB. By following the general safety information, instruction manual and common sense, you will get many years of enjoyable use of the product. Kellfri's tools and machines are aimed for farmers with high demands on functionality.

PRODUCT INFORMATION

Hydraulic strimmer for tractor's three-point linkage, front or rear mounted. Very powerful strimmer with hydraulic side shift adjustment, as well as spring loaded cutting disc for effective cutting under fences and close to buildings, railings and road verges.

The guard plate hits the posts and springs back out of the way to return to its starting position ensuring a close cut around the post. Robust blades that can cope with the toughest vegetation and robust guard plate at base prevents blades from hitting the ground. Many adjustment options to cope with different tractor sizes, can be front mounted which gives excellent view of work and control. The strimmer requires one single-acting, one return and one double-acting hydraulic outlet on the tractor, and a certain amount of assembly has to be carried out by customers

INTENDED USE

The equipment is intended only to cut grass, the machine is not designed to mow large lawn area but only for cutting grass around the trees, alongside obstacles such as buildings, railings, and under electric fences.

TECHNICAL DATA	35-HKK
Length	2 150 mm
Width	1 115 mm
Height	620 mm
Weight	187 kg
Working width	680 mm

When using the machine in a company, the employer has the responsibility to ensure the user of the machine has theoretical and practical knowledge of the machine and the operation is done safely. Follow the country's Health and Safety Regulation. For more information, pls. contact your Health and Safety Executive.

BASIC SAFETY INSTRUCTIONS

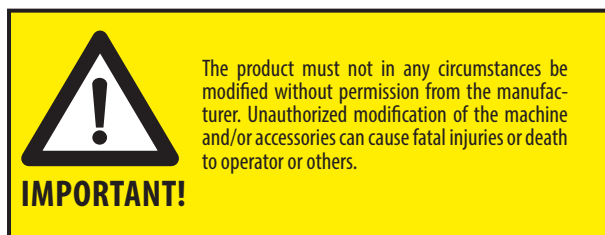
Before using the equipment or product, and for the safety of yourself and others, you must read the safety instructions and the instruction manual and understand its contents. Always keep the safety instructions and instruction manual handy for users of the equipment or product. For the safety of both yourself and others, it may be a good idea to read through the safety instructions every now and then.

If the safety instructions or instruction manual gets damaged or in any other way cannot be used, new copies may be ordered from:

Kellfri AB, Munkatorpsgratan 6, 532 37 SKARA

Sweden. Tel.: +46 (0)511 242 50 (Pls. contact the retailer) <https://www.kellfri.co.uk/>

Do not work with the equipment or product if you feel ill, tired or are under the influence of alcohol. Do not work with the equipment or product if you are taking prescribed medication or drugs. Always comply with general rules of the road and applicable rules stipulated by the Swedish Protection of Animals Act. Persons under the age of 15 and people with mental illness may not use these product.



PRODUCT SAFETY INFORMATION

- Read the instruction manual carefully before using the machine.
- Never leave the machine with the tractor engine running. Turn off the engine and apply the parking brake when you leave the equipment, even for a short while.
- Always disengage the machine before performing service or maintenance work.
- Only you operating the machine may be in the vicinity of the machine during work.
- Do not use the machine without all guards are fitted correctly.
- Do not operate the strimmer on steep slopes.
- Clear the area from harmful objects such as stones, branches, etc. before starting the operation.
- The machine is not designed to run on the rocky terrain. Check that there are no stones on the lawn before starting the operation.
- Do not try to remove things that are stuck whilst the engine is running. Ensure that the engine has stopped and the rotor has stopped spinning before any action is taken on the strimmer.
- Do not use the machine at night unless adapted headlights is used.
- Do not drive with the machine when large vibration occurs, stop immediately and check the machine. Rectify the problem before the machine is re-used.
- Never allow anyone to ride on the machine!
- Be alert and watch out for traffic when working close to the road.

IN CASE OF EMERGENCIES

In case of an emergency please dial 112.

Keep cell phone or emergency phone available specially when working alone. First aid kit and fire extinguishers must be kept easily accesable during all work, maintenance and service.

PERSONAL PROTECTIVE EQUIPMENT

Wear suitable clothing and footwear. Do not wear loose clothing or jewelry when working with the equipment. Remember to put up long hair when working with equipment that rotates. Use protective gloves as there is a risk of burns if any hot surfaces are touched such as exhaust pipes, and avoid getting oil and petrol on skin. Hearing protection should be used when the engine is running.



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 equipment designed for single - purpose tools/products. Never have junk/debris lying in your work area. Have workspaces clean. Always respect the danger zone.



WARNING DECALS

Make sure that the warning labels are always visible, clean the warning labels if necessary. Do not wash with high pressure washer directly on the warning label. If any part of the decal is worn or label becomes frayed or otherwise unreadable, order new decals.

SYMBOL	EXPLANATION
	Risk zone
	Warning for thrown objects! Keep distance! No one may be in the vicinity of the machine during operation Danger zone 15m
	Warning! Rotating blades
	Prohibition to stay on the machine! The machine is designed for single purposed use only.
	Children are not allowed in the vicinity of the machine
	Warning! Pressure in the system can penetrate the skin! If this occurs, seek medical attention immediately!
	The product is CE marked

BEFORE USE

Read the instruction manual carefully. Be sure that you understand the safety information, instruction manual and warning labels. Use common sense when using and use the 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.

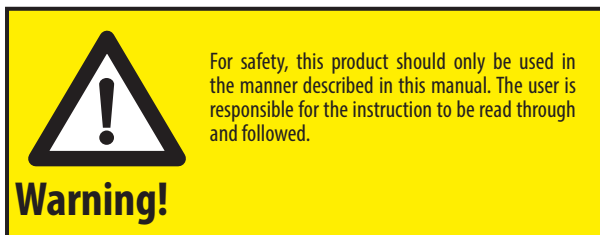
Do visual inspection of the equipment or product before use. Fix or replace damaged or worn parts immediately to reduce the risk of injury. Lubricate moving parts and check that all screw-nuts and bolts are tightened. Rinse the machine if necessary.

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.



BEFORE USE

- Ensure that all nuts, bolts and fittings are securely attached, that all packing /transport equipment such as tape, steel tape, rope, etc. are removed
- Check tire pressure
- Ensure that all guards are in place and cannot come off before use
- Check the thread trimmer, replace if necessary
- Check and clear the strimming area of harmful objects such as stones, branches, etc. before starting the operation. The machine must not be used in rocky terrain



USE

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. Maneuvering is done from the driver's seat.

- Make sure all guards are in place and can not come loose
- Reduce speed when working on slopes and uneven terrain
- Be aware that different parts of the machine may be hot after use
- Follow the guidelines on towing / pulling equipment

The machine is designed to perform a safe and reliable job if used according to instructions and its intended use. Read and understand this manual before using the strimmer, Failure to follow instructions, can result in personal injury and / or damage to equipment.

Connecting the machine

- Connect the equipment to the tractor's rear three-point hitch
- **NOTE!** Remove the transport lock before starting the operation



- Connect the hydraulic hoses to the tractor hydraulic, **Note!** Connect the hoses correctly. PRESSURE/ RETURN. Raise the equipment and verify the function.
- Ready to use

DRIVE AND SPEED

The amount of grass to be cut determines the speed forward; low speed usually gives the best results. Start with the lowest possible speed, ensure that the strimmer is working effectively with the tractor at maximum speed without effort.

It is important to always listen to the engine to ensure that the engine and machine functions effectively, slow down or stop if the motor starts to go heavy. Expected rate is much lower during hard work.

Adjusting the cutting head distance from the tractor

- Always turn off the tractor engine before performing any adjustments on the machine
- Set the machine on the ground, mount the outriggers
- Remove the pin from the beam and pull or push the cutting head to adjust the distance
Reinstall the pin



RELIEF SPRING (ANTI-BARRIER SYSTEMS)

Anti-barrier system allows the unit springs to jump when it hits an obstacle

- The tension of the spring should be adjusted before cutting thick grass
- When trimming densely vegetated area the spring shall be set on tense

AFTER USE

- Rinse of the machine if necessary

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!

TRANSPORT POSITION

When the strimmer is to be moved from one place to another, it shall be in the transport position. The tractor engine must be turned off and the rotor come to complete stop before adjusting the machine to transport position.



Remove all the grass from the machine before you leave the field. Never move from one place to another with the rotor running.

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.

For spare parts: contact Kellfri Service

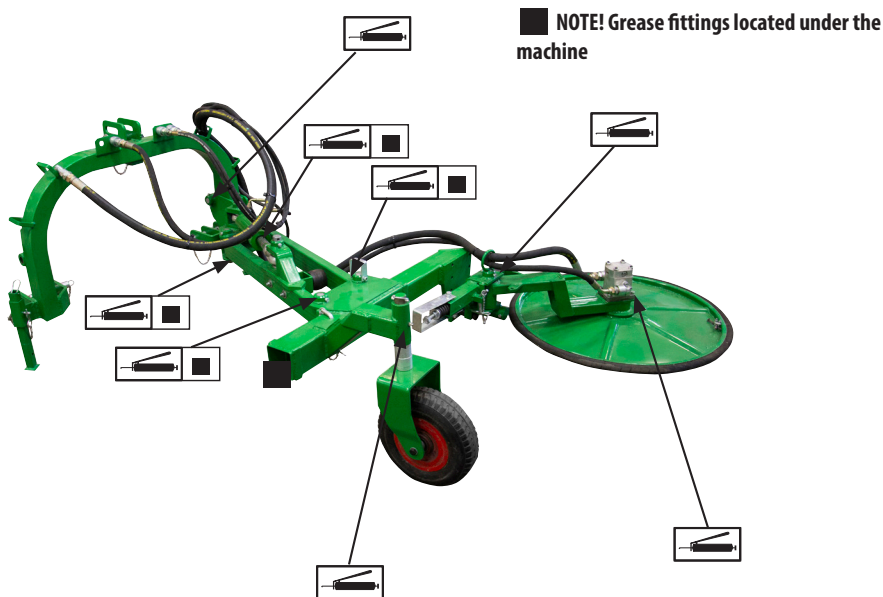
Check all bolts and nuts are tightened after maintenance and service. Always test the machine before work is started.

- Disconnect the equipment from the towing vehicle when it is being repaired.
- Regularly check the condition of the equipment before the failure is a fact.
- Discovered cracks, twisting, bending, gaps or fatigue stop the operation and rectify faults. Worn parts should be replaced.
- Re-tighten all nuts and bolts after a few hours of driving, there after daily after use.

INSPECTION

It is very important to regularly check the machine in order to detect and prevent wear and tear, damage, etc.

- Lubricate moving parts regularly: All lubrication points should be lubricated after every 30 hours of use. **NOTE!** Pump grease slowly and carefully to prevent damage to the sealing layer. Be extra careful when using high-pressure grease gun.



IMPORTANT! FOR REPAIRS BEYOND THE PREVIOUSLY LISTED ADJUSTMENTS, PLEASE CONTACT YOUR LOCAL DEALER.

CLEANING AND RINSING:

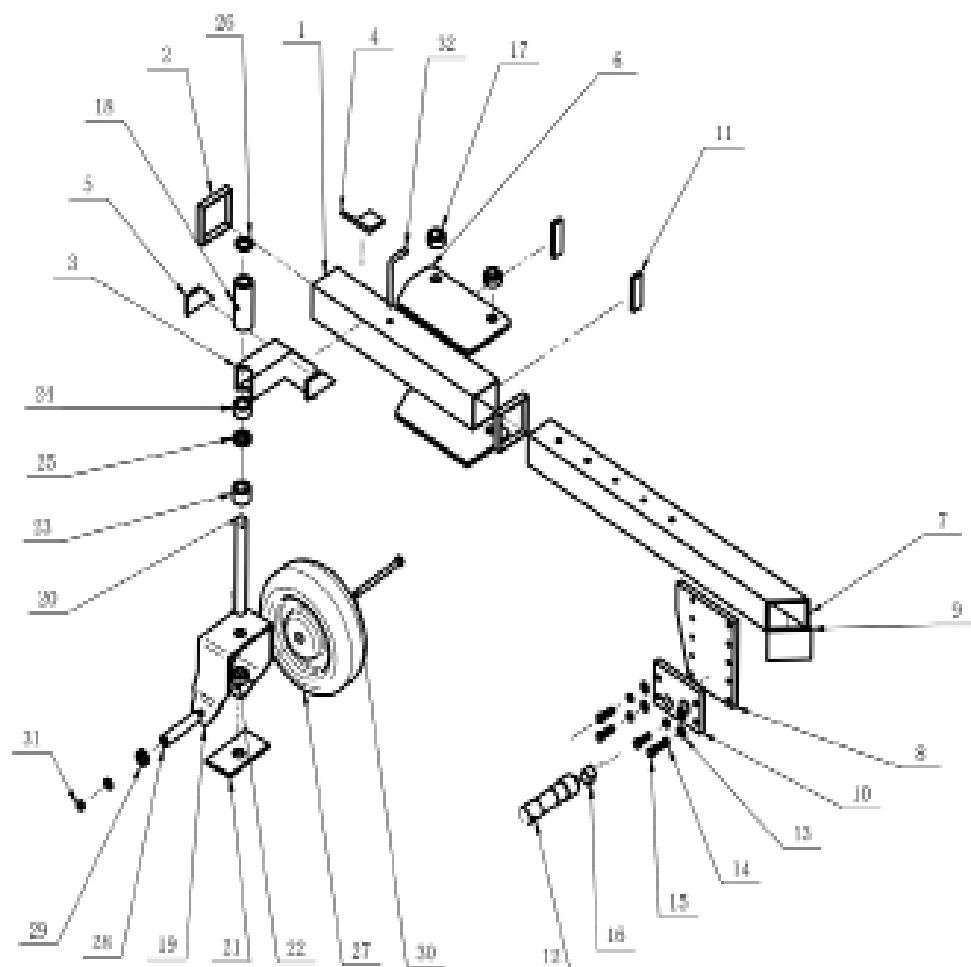
Cleaning and washing extends the life of the machine. Make it a habit to clean the machine directly after use, before the dirt sticks firmly. Be careful when high-pressure used, decals, instructions, and the hydraulic motor can be damaged. Do not exceed 70 bar / 1000PSI water pressure during wash. Lubricate the machine after washing and cleaning. Especially when the machine is to be stored.

Before storing the machine, it might be good to perform service in order to ensure that the machine operates in the following season.

1. Paint on the machine if needed, to prevent rusting
2. Check if the machine is damaged, tighten all loosen bolts and nuts
3. Lubricate all grease
4. Store in a dry, clean place, cover for extra protection

RECYCLING

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



NO.	DESCRIPTION	QTY.
1	Iron bar 90x90x3mm	1
2	Reinforcement	2
3	Wheel bracket 60x60x5mm	1
4	Angle support	1
5	Angle support	2
6	Bracket	2
7	Suspension of the cutting head 80x80x5mm	1
8	Mounting plate fitting of the cutting head	1
9	Lid	1
10	Flat Iron	1
11	Fixing plate	2
12	Swivel	1
13	Washers 12	4
14	Spring washer 12	4
15	Bolt M12x40	4
16	Spacer	1
17	Sleeve - fastening pin	2
18	Shaft sleeve	1
19	Wheel suspension	1
20	Shaft - wheel fitting	1
21	Support plate	1
22	Distance	1
23	Spacer	1
24	Spacer	1
25	Spacer	1
26	Sleeve	1
27	Wheel	1
28	Pipe	1
29	Washer	1
30	Bolt	1
31	Nut M12	1
32	L-pin	1

NO.	DESCRIPTION	QTY.
1	Arm	1
2	Cutting head	1
3	Bearings 6007	1
4	Rubber seal	1
5	Cover plate	1
6	Sleeve	2
7	Bearings 6206	2
8	Suspension	1
9	Shaft	1
10	L-sprint	1
11	Wheel complete	1
12	Swivel	1
13	Bolt M8x70	1
14	Nut M8	8
15	Sideshift - pivot arm	1
16	Sleeve shaft	7
17	Parallel arm	1
18	Pivot	1
19	3-point linkage	1
20	Outrigger	2
21	Pin	1

NO.	DESCRIPTION	QTY.
22	Ring pin	2
23	Nut	1
24	Threaded rod	1
25	Rubber stopper	1
26	Blade attachment	1
27	M12 nut	1
28	Knife	2
29	M20x90 bolt	1
30	Nut M20	1
31	Cylinder	1
32	Round nut	3
33	Washer	3
34	M8x60	7
35	Hydraulic motor	1
36	Washer D8	4
37	Spring Washer D8	4
38	M8x30 bolt	4
39	Hydraulic Hose	1
40	Hydraulic Hose	1
41	Hydraulic Hose	1
42	Hydraulic Hose	1

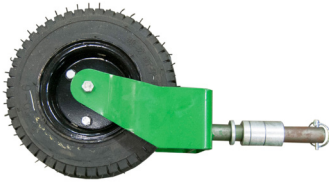
ASSEMBLY INSTRUCTIONS



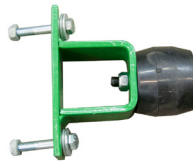
3-point frame



Cutting head



Wheel



Rubber stopper



Hydraulic motor

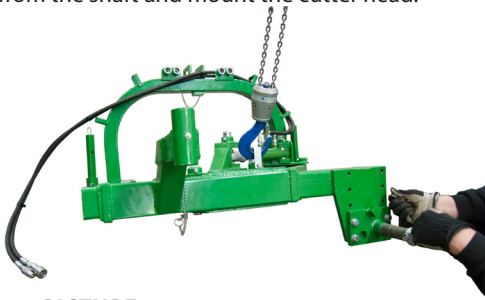


Suspension beam for cutting head

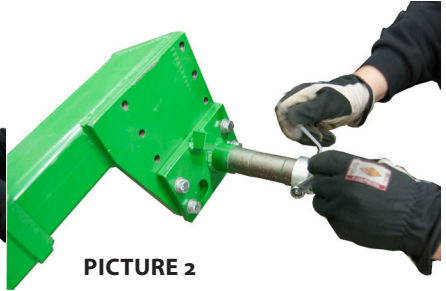
Bolt kit
4x M8x30
4x grease fittings



1.) Lift the 3-point frame, mount the suspension of the cutting head and remove the sleeve from the shaft and mount the cutter head.

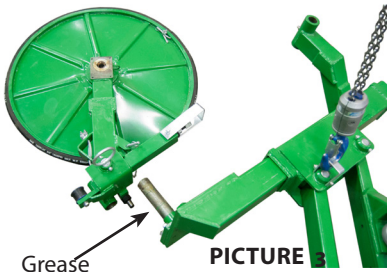


PICTURE 1

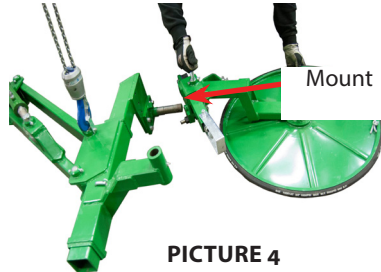


PICTURE 2

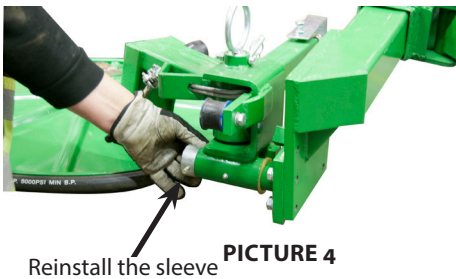
2.) Installing the cutting head:
Lubricate the shaft before mounting the cutting head. See pictures below:



PICTURE 3



PICTURE 4



PICTURE 4



PICTURE 5

3.) Install the wheels

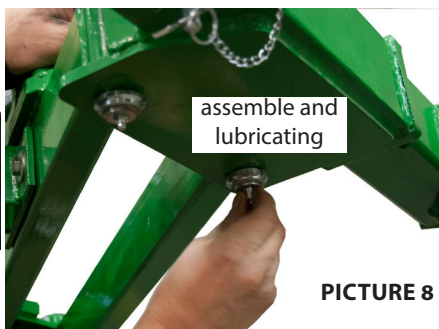


PICTURE 6

4.) Lift and turn the machine over to be able to fit the grease fittings under the machine. Warning risk of crushing! Ensure that the machine cannot fall down. Mount the grease fittings and lubricate the joints.

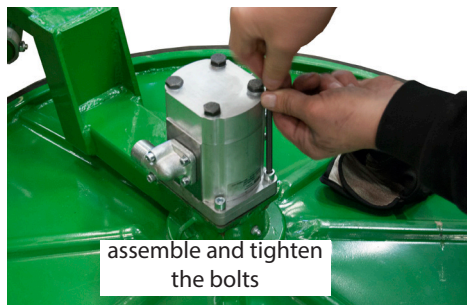


PICTURE 7 lift and turn



PICTURE 8

5.) Mount the hydraulic motor and hydraulic control.

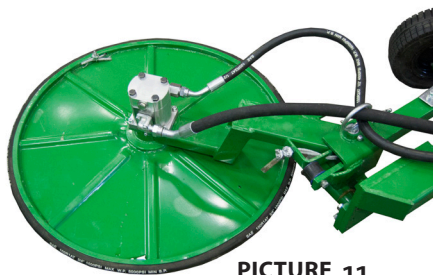


PICTURE 9

6.) Pull the hydraulic pipes through the eyelets and attach hydraulic pipes to the hydraulic motor. Inspect the machine and check that bolts, nuts and couplings are tightened. Ready for use.



PICTURE 10



PICTURE 11

We are grateful for your help pointing out any inaccuracies in the Kellfri product delivered to you. Before making a complaint read Kellfris general warranty and sales conditions in our catalog as well as the enclosed User's manual that comes with the machine.

Please fill in the details below and attach photo and other information in order to process your request.

Buyer:	Customer number:
Adress:	Invoice number:
E-mail:	Phone nr:

When was the product delivered?	When was the product taken into operation?	Did the product functioned as it should upon the first operation?
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Defect product / part:

Problem description:

Describe the sequence of events:

Other:

Submit Complaint form and photo to:

Kellfri AB
Division of Services : Contact Kellfri retailer
Munkatorpsgatan 6
532 37 Skara

Or e-mail service.
info@kellfri.se

Signature:	Date:
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Issue:: 2014-01-01

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 | <ul style="list-style-type: none">• 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 |

EG-FÖRSÄKRAN OM MASKINENS ÖVERENSTÄMMELSE, ORIGINAL

EC-DECLARATION OF CONFORMITY

According to 2006/42/EC, Annex 2A

Kelifri AB

Munkatorpsgratan 6

532 37 Skara, Sweden

Declares that the machine

Name: Strimmer

Type: 35-HKK

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

Kelifri 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

Senaste version 2016 -04-28

CUSTOMER SERVICE

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

KELFRI AB

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Kelifri®