



# **Kellfri<sup>®</sup>**

## **35-SR600 STRIMMER**



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

## 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

Kellfri's strimmer is specially designed for efficient cutting alongside obstacles such as buildings, railings, trees and under electric fences. The machine is powered by a 6.5 hp petrol motor and supplies power to the cutting head via a centrifugal clutch and belt. The machine is put into left or right side position and retracts when it comes into contact with obstacles such as trees, fence posts etc., before returning to its original position. Cutting height is adjusted with the support wheels in fixed position. The cutter works with normal thick trimmer wire and is easy to replace. There is a transport mode for easy moving. The tow bar offers numerous vertical and horizontal adjustment options for use with different towing vehicles and is supplied with a 50 mm ball coupling.

***The engine is supplied without oil, fill with oil before use !!***

## 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-SR600            |
|----------------|---------------------|
| Engine         | 6,5 hp              |
| Coupling       | Centrifugal         |
| Connection     | 50mm glove and fork |
| Weight         | 70kg                |
| Working width  | 600 mm              |
| Spark plug     | NHSP LD F7RTC       |

## 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, Munkatorpsgatan 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.



The product must not in any circumstances be modified without permission from the manufacturer. Unauthorized modification of the machine and/or accessories can cause fatal injuries or death to operator or others.

**IMPORTANT!**

## PRODUCT SAFETY INFORMATION

- Read the instruction manual carefully before using the machine.
- Never leave the equipment with the engine running. Turn off the engine when you leave the machine - 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 turn off the engine immediately after hard work, (see, turn off the engine)
- Do not run the engine in a confined space, which fatal if inhaled.
- Do not operate the strimmer on steep slopes.
- Clear the strimming 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 with the engine running. Ensure that the engine and the rotor has stopped spinning before any action is taken on the strimmer.
- Do not use the mower at night unless adapted headlights is used.
- Do not drive with the machine if excessive vibration occurs, stop immediately and check the machine. Fix the problem before the machine is re-used.
- Do not change the engine settings unless it is told by the engine manufacturer.
- Do not use the strimmer if not all safety measures are taken.
- 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 risk 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                                | PLACERING      |
|--|--|----------------|
|   | Risk zone                                  | Machine's side |
|   | Warning for thrown objects! Keep distance! |                |
|   | Warning! Rotating components!              |                |
|   | Prohibition to stay on the machine         |                |
|   | Risk for accident involving children.      |                |
|  | 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 of the machine combination to be 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 and 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.



Never use faulty safety equipments!

**Warning!**

## 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.
- Make sure it is the proper oil level in the engine and that there is petrol in the tank
- Check tire pressure.
- Ensure that all guards are in place and cannot come off before use.
- Check the trimmer line, 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.



For safety, this product should only be used in the manner described in this manual. The user is responsible for the instruction to be read through and followed.

**Warning!**

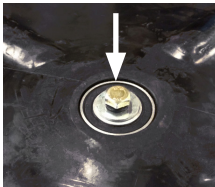
## OPERATING THE MACHINE

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. Maneuvering is done from the towing vehicle's driver seat.

- Assemble the frame and the drawbar.
- The engine is supplied without oil, fill with oil before use.
- Fill up the fuel.
- Install the trimmer line on the rotor plate. (See section "Trimmer line" p.9)
- Attach swivel hitch to L-Hitch. Then connect trimmer to the tow vehicle.
- 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 / tools.
- Be careful when you fill the tank with fuel, in particular if any parts are hot.



It is important that the motor is mounted in correct direction, otherwise the belt would be slack. Mount the motor with silencer and air filter onto the cutting head.



To make sure that the guard is properly installed, the bearing should be tapped down a few millimetres. Failure to do so may cause the disc to get stuck against the bottom plate.

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.

## START THE ENGINE

- Follow all safety precautions: Keep hands and feet away from moving parts. Ensure that any bystanders is in a safe distance from the machine.
- Choose an area free from loose objects that can be thrown around.
- Open the fuel valve.
- When the engine is cold, open the throttle to start the shock.
- If the engine does not start, open the throttle a bit and try again.
- Set the throttle always to maximum effect when cutting.
- Always warm up the engine on idle before starting the operation to give the engine a normal working speed of up to 3600 revolution.

**NOTE!** Always turn off the fuel valve as soon as the engine is off.



## Warning!

If the throttle is altered to increase the speed of the given recommendations, the warranty can be void. Cut effectiveness will decrease, fuel consumption will increase and large vibration may occur which leads to danger for the user and damage to the equipment.

### DRIVE AND SPEED

The amount of grass to be cut determines the forward speed; low speed usually gives the best results. Start with the lowest possible speed, ensure that the trimmer is working effectively with the engine at maximum speed without effort (If this is not possible because of the very tough strimming conditions, cut the grass in stages.)

The thread trimmer cuts the grass with the power of nylon thread. Avoid cutting too much grass at a time. This means that the rotation of the trimmer will be slower because of the resistance and trim becomes poor.

It is important to always listen to the motor to ensure that the motor and machine functions effectively, slow down or stop if the motor starts to operate heavily.



**IMPORTANT!** When operating from normal work to heavier work, it is common

that the engine starts going heavy and reduces speed. **IF THIS OCCURS SLOW DOWN IMMEDIATELY** so that the engine is able to reach normal speed. Follow the instructions above operating on normal speed. Expected speed is much lower during hard work.

**FAILURE OF FOLLOWING THESE INSTRUCTIONS** may result of transmission slipping and causing damage to clutch and drive belts.

### TURN OFF THE ENGINE

- When the trimmer should be turned off after hard work. Allow the engine to run on idle for a few minutes for the drive belts to cool down.
- Take precaution against hot parts such as exhaust, belts, etc. after the engine is turned off.
- When the mower has cooled down (One hour after the last use). Ensure that there is no grass left on the engine cooling fan and on the rotor before using the trimmer again.

### AFTER USE

- Rinse the gear if necessary.



## TRIMMER LINE

1. It is important to always cut the string in the right length. Using too long string may result motor to stall or the motor runs unevenly because the string cuts too much grass.
2. Remove any grass or dirt on the string holder.
3. Fold the wire in half so that you create a loop (*see picture below*)
4. Place the loop on the outside of the spool pin and thread the string ends through the string holder and the string loop.
5. Pull the string to tighten the knot.
6. Then cut the string even with the cover.



## ADJUSTMENT OF THE WORKING HEIGHT

- The unit can be adjusted in five different steps.
- Always stop the engine before adjusting the height.
- Put the machine in transport position, remove the pins for the support wheel and adjust the support wheel in the desired height.
- Reinstall pins.

## RELIEF SPRING (ANTI-BARRIER SYSTEM)

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

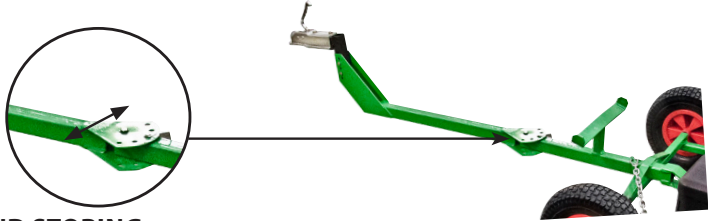
- The tension of the spring should be adjusted before cutting thick grass
- When strimming densely vegetated area the spring should be tense
- Move the snap hook on the chain closer to the spring to increase the tension.
- Move the snap hook at the end, or farthest from spring to reduce tension.
- Always secure chain and spring at both ends.



**TIP!** On uneven terrain, it is advisable to attach the spring in the ATV to get the machine lifted and thereby avoid the strimmer getting stuck in holes and bumps.

## DRAWBAR

- The cutting head can be set to either the left side or the right side of the drawbar.
- The motor should always be turned off prior to any adjustment
- Remove the pin, set the drawbar into desired position by turning the rod, reinstall the pin.



## 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 machine is to be moved from one position to another, it shall be in the transport position. The engine must be turned off and the rotor is completely stopped before adjusting to the transport position is performed.

1. Lift and turn the strimmer inward (clockwise / counter-clockwise)
2. Place the unit on the drawbar.

Remove all the grass from the machine before you leave the field. Never move from one place to another with the engine running. Please take into consideration that the strimmer is not allowed to be towed on public roads, it should not be used on public roads. Maximum speed when towing is 15km / h.



## 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.

### TROUBLESHOOTING

### MEASURE

|                                     |   |
|-------------------------------------|---|
| The machine cuts unevenly or poorly | Check the thread, change if needed<br>Check and tighten the belt                        |
| The cutting sound changes           | Check the trimmer line<br>Check the tension of drive belt<br>Check pulleys and bearings |
| Vibrations                          | Check bearings and belt   |

### SERVICE

### INTERVAL

### MEASURE

|                    |                             |  |
|--------------------|-----------------------------|--|
| Trimmerline        | Before each run             | Check and replace if necessary           |
|                    | While driving               | Listen for noises                        |
|                    | After each run              | Check the machine                        |
| Drive belt         | Every 20 hours              | Check for wear and replace if necessary  |
| Rotor and bearings | Every fifth operating hours | Lubricate                                |
| The equipment      | After each run              | Rinse away the soil and grass with water |

*For spare parts: contact Kellfri Service*

Check all bolts and nuts are tightened after maintenance and service. Always test the machine before starting operation.

- 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, bendings, gaps or fatigue stop the operation and rectify the fault. Worn parts should be replaced.
- Re-tighten all nuts and bolts after a few hours of driving, there after check daily after each use.
- Lubricate moving parts regularly. For maintenance of the engine, see the separate engine manual.

## INSPECTION

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

## GREASE 50MM TOW COUPLING

Check the link to see signs of damage or wear. Replace damaged and / or worn parts. Lubricate the clutch regularly.

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

## RECYCLING

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

## CLEANING AND RINSING :

Cleaning and rinsing 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 washer is used, decals, instructions, and the motor can be damaged when 70 bar / 1000PSI water pressure is exceeded during wash. Lubricate the machine after rinsing and cleaning. Especially when the machine is to be stored.

## BEFORE STORING THE MACHINE, IT MIGHT BE GOOD TO PERFORM A SERVICE IN ORDER TO ENSURE THAT THE MACHINE OPERATES IN THE FOLLOWING SEASON.

1. Paint on the machine sufficiently if needed, to prevent rusting
2. Check if the machine is damaged, tighten all bolts and nuts that are loose
3. Change oil
4. Open the fuel valve and drain the tank and carburetor
5. Close the fuel valve
6. Remove the spark plug and pour about 1 tablespoon of engine oil in the cylinder. Tilt the machine so that the oil is distributed evenly and replace the spark plug.
7. Lubricate all grease fittings, joints and cables
8. Store in a dry, clean place, cover for extra protection

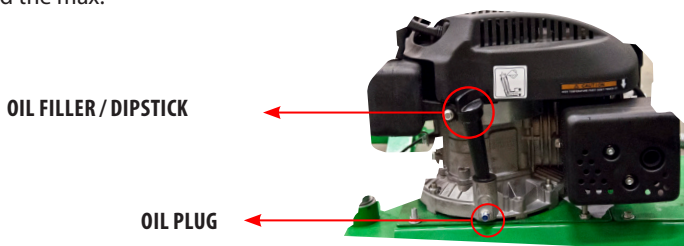
## Lubrication of bearings:

Rotating disc bearing must be lubricated after every 10 hours of use. NOTE! pump grease slowly and carefully to prevent damage to the sealing layer. Be extra cautious when using high-pressure grease gun.

## CHANGING OIL

When changing oil, be sure to use an approved container for oil. Old oil must be disposed of properly in recycling center. Contact your municipality for more information.

- Ensure that the machine cannot tip over.
- Pull out the dipstick.
- Place a pan under the engine and remove the oil plug.
- Drain the oil, reinstall the drain plug and tighten it.
- Refill with new oil and check the level.
- Use motor oil according to the table below, check the level, add oil until the oil level is between the min.and the max.

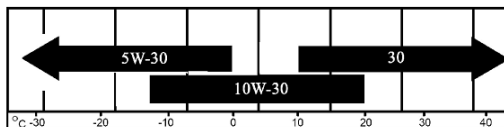


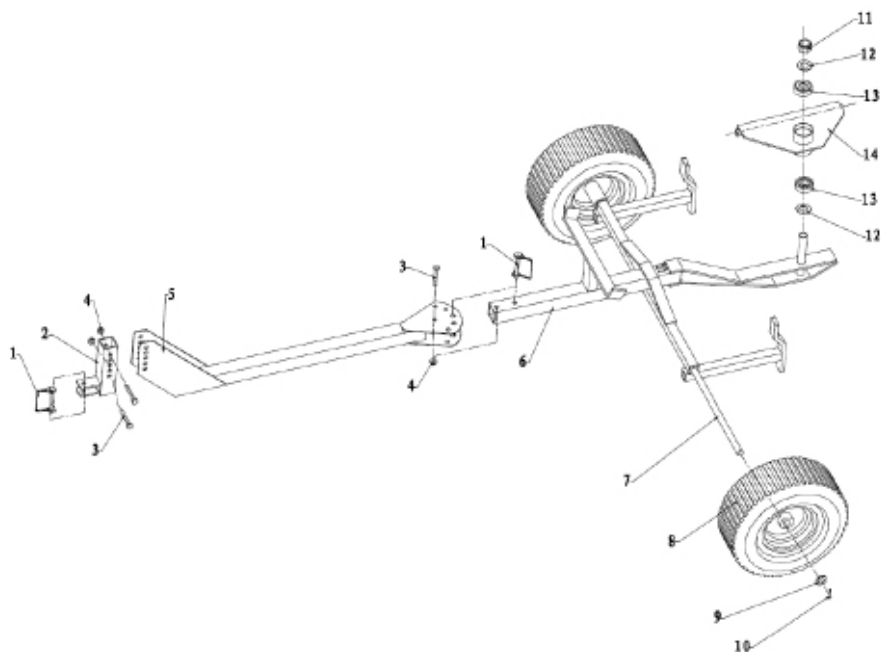
## CHANGING OIL

Use the correct type of oil depending on temperature conditions.

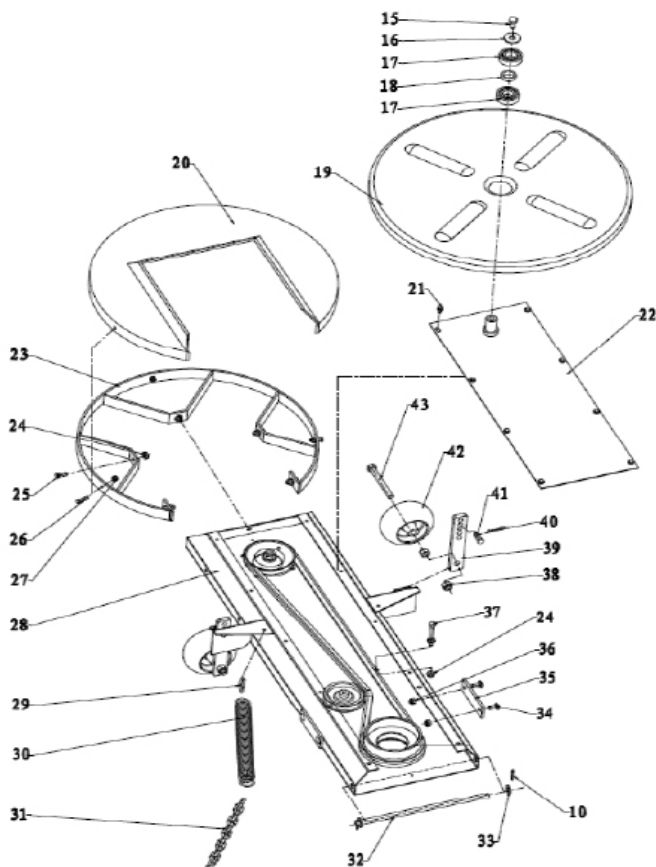
Use SAE 5W-30 or SAE-30.

See table:



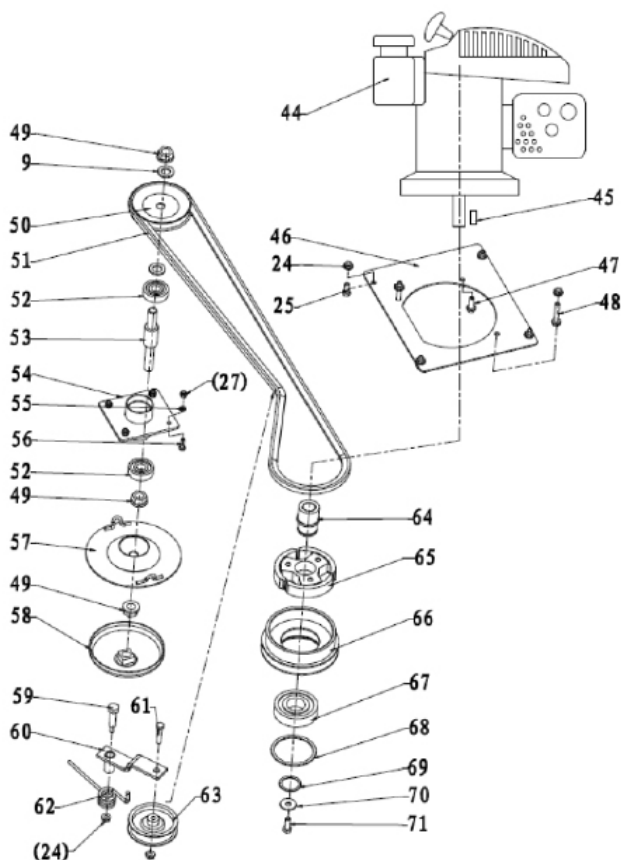


| NO. | DESCRIPTION                 | QTY. |
|-----|-----------------------------|------|
| 1   | Hitch Pin                   | 2    |
| 2   | L-hitch                     | 1    |
| 3   | Bolt M8x60                  | 3    |
| 4   | Flange nut M8               | 18   |
| 5   | Hitch                       | 1    |
| 6   | Protective cover            | 1    |
| 7   | Shaft                       | 1    |
| 8   | Wheels complete with layers | 2    |
| 9   | Washers 16                  | 6    |
| 10  | Split pin 3.2x25            | 4    |
| 11  | Lock nut M20                | 1    |
| 12  | Washers 20                  | 2    |
| 13  | Bearings 60204-Z            | 2    |
| 14  | Swivel?Pivot weldment       | 1    |



| NO. | DESCRIPTION           | QTY. |
|-----|-----------------------|------|
| 15  | Bolt M10x20           | 1    |
| 16  | Plain Washers 12      | 1    |
| 17  | Bearings 60205-Z      | 2    |
| 18  | Spacer                | 1    |
| 19  | Guard                 | 1    |
| 20  | Plastic string guard  | 1    |
| 21  | Tapping bolt ST6.3x14 | 8    |
| 22  | Belt cover weldment   | 1    |
| 23  | Front guard weldment  | 1    |
| 24  | Flange nut M8         |      |
| 25  | Bolt M8x20            | 9    |
| 26  | Bolt M6x25            | 3    |
| 27  | Lock nut M6           | 3    |
| 28  | Motor base weldment   | 1    |

| NO. | DESCRIPTION          | QTY. |
|-----|----------------------|------|
| 29  | Chain connector      | 3    |
| 30  | Return Spring        | 1    |
| 31  | Safety Chain         | 1    |
| 32  | Pivot bar            | 1    |
| 33  | Plain Washer 12      | 2    |
| 34  | Carriage bolts M8x20 | 4    |
| 35  | WearStrip            | 2    |
| 36  | Lock nut M8          | 4    |
| 37  | Bolt M8x70           | 1    |
| 38  | Nut M12              | 2    |
| 39  | Height Adjust Bar    | 2    |
| 40  | Split pin            | 2    |
| 41  | Pin10X28             | 2    |
| 42  | Rollerwheel          | 2    |
| 43  | Bolt M12x110         | 2    |



| NO. | DESCRIPTION           | QTY. |
|-----|-----------------------|------|
| 44  | Engine 1P70FA         | 1    |
| 45  | Key3 / 16x1,5         | 1    |
| 46  | MotorBase             | 1    |
| 47  | Bolt M8x25            | 1    |
| 48  | Bolt M8x45            | 2    |
| 49  | Flange nut M16        | 3    |
| 50  | BladePulley           | 1    |
| 51  | BeltA72               | 1    |
| 52  | Bearings 60303-Z      | 2    |
| 53  | Blade Shaft           | 1    |
| 54  | BearingHousing        | 1    |
| 55  | PlainWasher6          | 4    |
| 56  | Bolt M6x20            | 4    |
| 57  | Spinner Disk Weldment | 1    |

| NO. | DESCRIPTION          | QTY. |
|-----|----------------------|------|
| 58  | SpinnerBumper        | 1    |
| 59  | Axle Bolt            | 1    |
| 60  | IdlerBracketWeldment | 1    |
| 61  | Bolt M8x40           | 1    |
| 62  | Brake spring         | 1    |
| 63  | Idler Pulley         | 1    |
| 64  | Shaft                | 1    |
| 65  | Centrifugal coupling | 1    |
| 66  | Motor Sheave         | 1    |
| 67  | Bearing307-2Z        | 1    |
| 68  | Internal - ring      | 1    |
| 69  | External - ring      | 1    |
| 70  | Plain Washers 10     | 1    |
| 71  | Bolt 3 / 8-24x1      | 1    |

## WARRANTY TERMS AND CONDITIONS

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

## 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: 35-SR600

Type: Strimmer

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

*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.

**KELLFRI AB**

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

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