

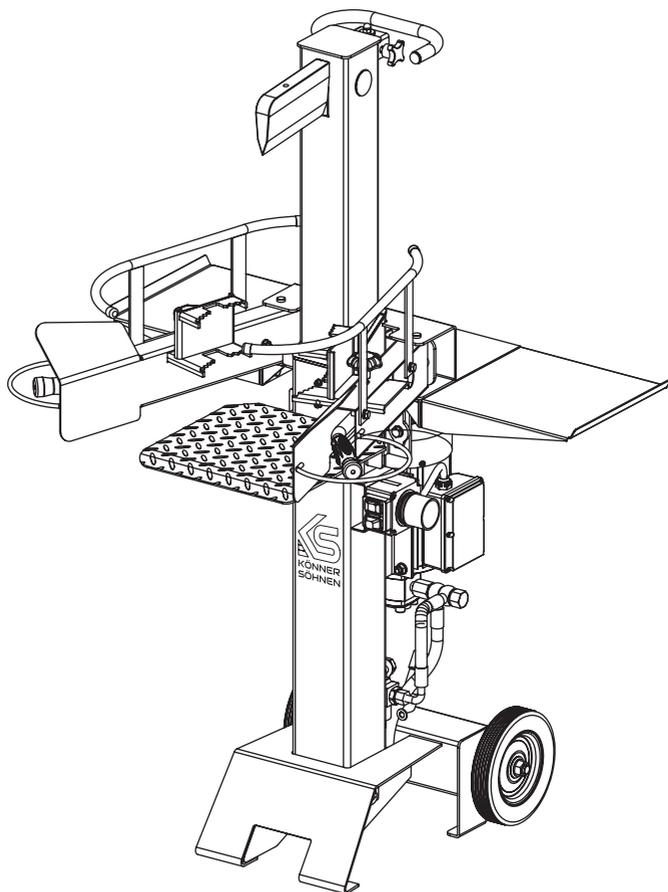
**Please, read this manual
carefully before use!**

Owner's Manual



Electric vertical log splitter

KS 8THE V 55/40
KS 12THE V 65/40





Thank you for your purchase of **Könner & Söhnen** products. This manual contains a brief description of safety, use and debugging. More information can be found on the official manufacturer's website in the support section: **konner-sohnen.com/manuals**

You can also go to the support section and download the full version of the manual by scanning the QR code, or on the website of the official importer of Könner & Söhnen products: **www.konner-sohnen.com**



We care about the environment, therefore, we consider it expedient to save paper and leave in print a short description of the most important sections.



Be sure to read the full version of the manual before getting started!



Manufacturer reserves the right to make alterations into the generators, which may not be reflected in this manual. Pictures and photos of the product may vary from its actual appearance. At the end of this manual, You may find contact information which you are free to use in case of any issues occurrence.

All data, specified in this operation manual is the most up to date for the moment of its publishing. The current list of service centers you can find at the website of official importer: **www.konner-sohnen.com**



ATTENTION – DANGER!



Failure to follow the recommendations marked with this sign may lead to serious injury or death of the operator or third parties.



IMPORTANT!



Useful information while operating the machine.

Safety symbols and description of inscriptions can be found in the full web version.

SAFETY INFORMATION

1



WARNING!



Read and understand the owner's manual and labels affixed to the log splitter. Learn its application and limitations as well as the specific potential hazards.

Always take the following precautions when using this machine:

- Do NOT operate the log splitter whilst under the influence of drugs, alcohol or any medication that could affect your ability to use the apparatus correctly.
- Always wear protective goggles or safety glasses with side shields while using the log splitter to protect your eyes from possible thrown debris.
- Avoid wearing loose clothing or jewelry, which can catch on moving parts.
- We recommend wearing gloves while using the log splitter.
- Wear shoes with non-slip treads when using your log splitter. Do not use the machine while barefoot or wearing open toed sandals.
- Wear long pants while operating the log splitter.
- Keep bystanders at least 50 feet away from your work area at all times. Stop the motor when another person or pet approaches.
- The log splitter must always be operated by one person ONLY. Other people should keep a safe distance from the work area when the log splitter is in operation or switched on. Keep children away from the log splitter at all times. Store in a locked workshop and disconnect master switches after use.



- Never stand on the log splitter. Keep proper footing and balance at all times. Ensure that the ground beneath the log splitter is not slippery. Do not store anything above or near the log splitter which would necessitate standing
- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people, their property, and themselves.

SAFETY WITH ELECTRIC - POWERED MACHINES

1.2



WARNING!



Never overlook the hazards of electricity.

Always follow these precautions:

- Never open the switch box or motor cover. Never attempt any electrical repairs yourself. If in doubt, consult a qualified electrician, or contact your local dealer for help or informations.
- Never use an extension cord that is not rated for outdoor use.
- Never operate the log splitter if there is an electrical hazard present.
- Never operate the log splitter in wet conditions and always store under cover.
- Never operate the log splitter with a damaged electrical cord or damaged extension cord.
- Never pull on the electrical cord to move the machine.
- Check that the electric circuit is adequately protected and that it corresponds with the power, voltage and frequency of the motor. Check that there is an earth connection, and a regulation differential switch upstream.
- Always grasp the electrical cord plug when unplugging the cord from the outlet; never pull the plug out by the cord. Make sure your fingers do not touch the metal prongs when plugging or unplugging.
- Never operate the log splitter unless the electrical cord is plugged.
- Never tamper with safety devices. Check their proper operation regularly.
- If you are using an extension cord, keep the connection between the electrical cord and the extension cord well away from any water.
- Never use an extension cord longer than 10 feet and smaller than 1.5 mm² or 20 feet and smaller than 2.5 mm² in diameter, the cord will produce a voltage drop that



will prevent the motor from supplying full power and may cause damage to the motor. Use of a smaller diameter extension cord could result in melting of the insulation or even create a fire.

- Always keep the electrical cord and/or extension cord away from excessive heat, oil, and sharp objects.
- Unplug when not in use, before making adjustments, changing parts, cleaning or working on the log splitter.

APPLICATION CONDITIONS OF THE LOG SPLITTER

2

- Check your log splitter before use. Keep the guards in place and in working order. Check that any keys, tools or adjusting wrenches are removed from the tool area before switching on. Replace damaged, missing or failed parts immediately



WARNING!



Operating this log splitter safely is necessary to prevent the risk of death or serious injury. Unsafe operation can create a number of hazards for you.

Always take the following precautions when operating this log splitter:

- The machine is designed to split logs. Do not use it for any other purpose.
- Never operate your unit on a slippery, wet, muddy, or icy surface. Exercise caution to avoid slipping or falling.
- Never, under any conditions, remove, bend, cut, fit, weld, or otherwise alter standard parts on the log splitter. This includes all shields and guards. Modifications to your machine could cause personal injuries and property damage and will void your warranty.
- Put the log splitter stable, where there is plenty of room. Keep your work area clean and well-lit. Cluttered areas invite injuries. Do NOT use the log splitter in wet or damp areas or expose it to rain. Do NOT use in an area where fumes from paint, solvents or inflammable liquid pose a potential hazard.
- Keep your hands away from splits and cracks which open up in the wood – they may close suddenly and cause injury. Do NOT attempt to remove jammed logs with your hands.
- Allow only one person to operate the log splitter at any time. This includes placing the log on the beam.
- If the machine should start making an unusual noise or vibration, shut off the motor, unplug the power cord, wait five minutes for machine to cool down then inspect for damage. Vibration is generally a warning of trouble. Check for damaged parts and clean, repair and replace as necessary.
- Never tamper with safety devices. Check their proper operation regularly.
- Before performing any maintenance or inspection procedure on the log splitter, shut off the motor, unplug the power cord and wait five minutes for machine to cool down.
- Never allow people who are unfamiliar with these instructions to use the log splitter.
- Make sure there are no nails or foreign objects in the logs to be split. The ends of the logs must be cut square. Branches must be cut off flush with the trunk.
- Never overload or attempt to split logs beyond the recommendations listed in this manual. This could be dangerous and may damage the machine. Never leave the log splitter running unattended.
- Always pay full attention to the movement of the log pusher. Do not attempt to load the log on until the log pusher has stopped. Keep your hands away from all moving parts.
- Keep all nuts and bolts tight and keep the equipment in good operating condition.
- Dispose of used oil responsibly. Take to an authorised collection point – refer to your local council for details. Do NOT discharge into drains, soil or water.



The log splitter is for domestic use. It is designed for operation under ambient temperatures between +5°C and 40°C and for installation at altitudes of no more than 1000m above MSL.

The surrounding humidity should be less than 50% at 40°C. It can be stored or transported under ambient temperatures between -25°C and 55°C.

Model	KS 8THE V 55/40	KS 12THE V 65/40
Voltage	230 V	230 V
Frequency	50 Hz	50 Hz
Engine power	2300 W	2300 W
Force	8 ton	12 ton
Engine type	electric	electric
Engine model	KS ECO 2300	KS ECO 2300
Max. Length	550 mm	650 mm
Max. Diameter	400 mm	400 mm
Cycle time	~ 15 sek.	~ 25 sek.
Operating position	vertical	vertical
Cable length	1.6 m	1.6 m
Hydraulic oil capacity	4 l	7 l
Wheels	8"	8"
Dimensions (LxWxH)	820x990x1500 mm	770x610x1550 mm
Net weight	114 kg	110 kg
Protection class	IP54M	IP54M



NOTICE



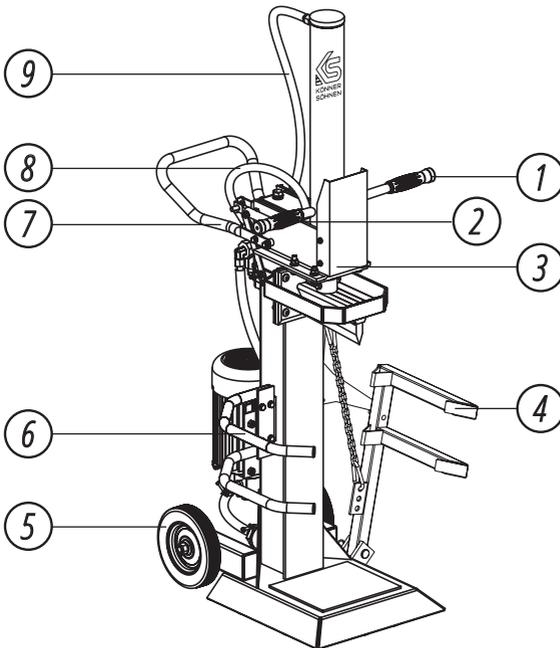
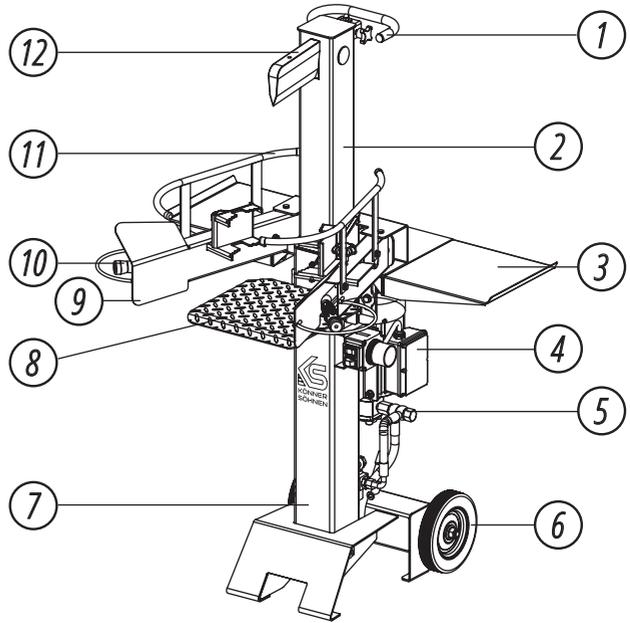
The diameter of the log is not the only factor that determines how easy it is to split. A small log may be difficult to split if it has knots or is a particularly hard wood.

Connect the mains lead to a standard 230V±10% (50Hz ±1Hz) electrical supply which has under-voltage, over-voltage and over-current protection devices as well as a residual current device (RCD) with a maximum residual current rated at 0.03A.

Check these components according to the following list below:

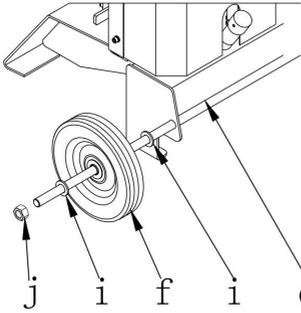
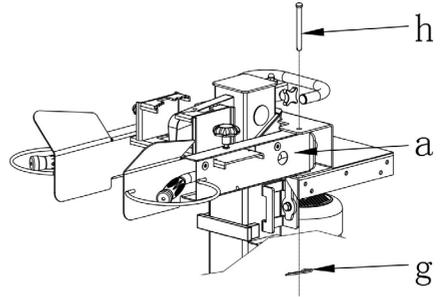
MODEL KS 8THE V 55/40

1. Transport handle
2. Column
3. Log tray
4. Electric motor
5. Gear pump
6. Wheels
7. Main body
8. Work table
9. Operating lever guard
10. Operating lever
11. Protection bar
12. Splitting blade

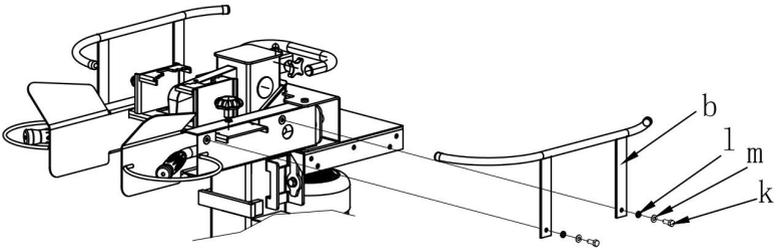
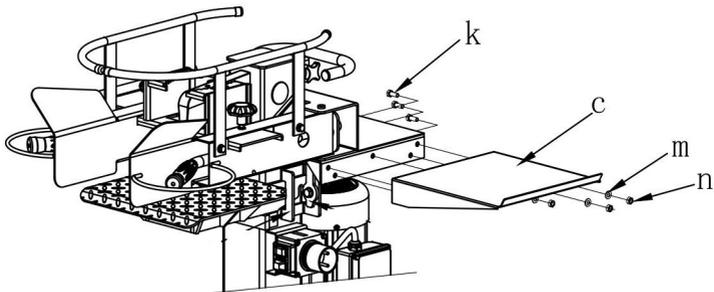


MODEL KS 12THE V 65/40

1. Control handle (right)
2. Control handle (left)
3. Name plate
4. Log lift arm
5. Wheels
6. Protection pipe
7. Support handle
8. High pressure hose A
9. High pressure hose B

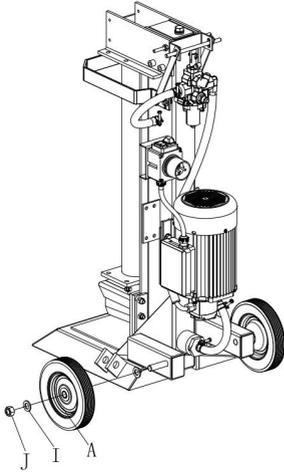
**STEP 1:
INSTALL THE WHEEL ON BOTH SIDES**

**STEP 2: INSTALL THE OPERATING LEVER
ASSEMBLY ON BOTH SIDES**


Pull out control handle pin (h) to release lock (a). Then insert the operating lever assembly and make sure that it has reached its intended end position (g). Now, latch the operating lever assembly by lock (a) and control handle pin (h). Perform the same procedure for the other control handle.

STEP 3: FIX THE PROTECTION BAR TO THE OPERATING LEVER ASSEMBLY

STEP 4: INSTALL THE LOG TRAY TO THE MACHINES ON BOTH SIDES

LOG SPLITTER KS 12THE V 65/40 ASSEMBLY AND PREPARATION

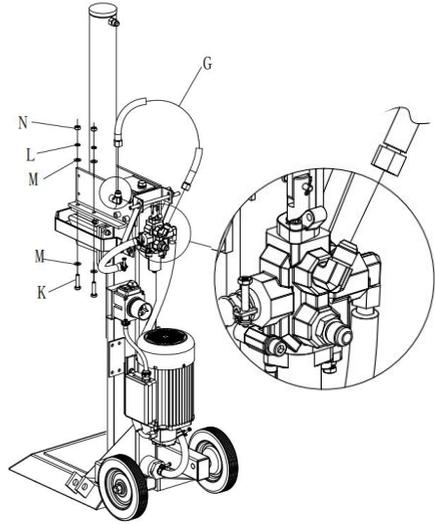
Unpacking this log splitter requires at least two persons. To place the log splitter on the floor, proceed step by step as described below. Ensure that block (B) supports the log splitter box (A) at a point above its middle. The other end of block (B) should rest on a fixed object such as a wall. Fasten wedge (C) under the lifted box to prevent the latter from slipping off. After that, you can remove the packing carton from the log splitter.

STEP 1



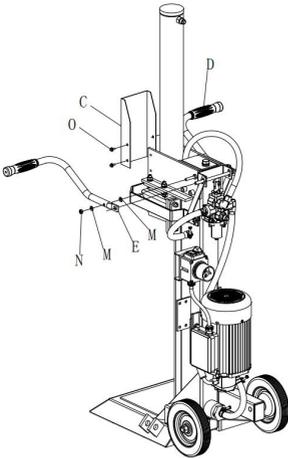
Assemble the Wheels (A) on both sides to the main body by using, Washer 16 (I) and Nut M16 (J).

STEP 2



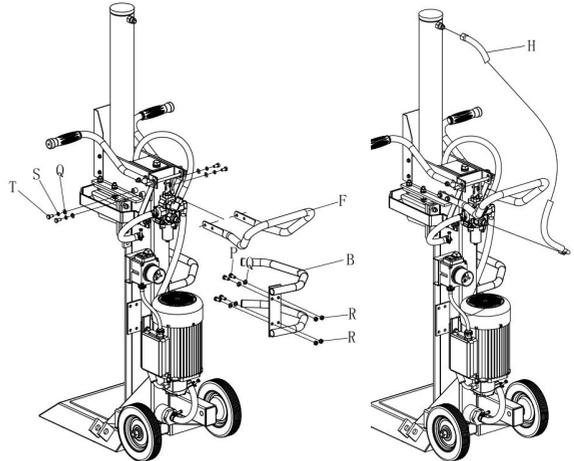
1. Assemble the High Pressure Hose A (G).
2. Assemble the cylinder by using Bolt M10x35 (K), Spring Washer \varnothing 10(M), Washer \varnothing 10 (L), Nut M10 (N).

STEP 3



1. Assemble the Name Plate (C) by using Bolt M6x12 (O).
2. Assemble the Control Handles (E & D) on both sides by using Washer \varnothing 10 (M) and Lock Nut M10 (N).

STEP 4



1. Assemble the Support Handle (F) by using Spring Washer 8(S), Washer 8(Q), Bolt M8x16 (T).
2. Assemble the Protection Pipe by using Washer 8(Q), Bolt M8x20 (P).
3. Attach all the hoses to the machine as the following, including High Pressure Oil B (H).

TRANSPORTING THE LOG SPLITTER TO THE WORKING AREA

For easier handling, this log splitter is provided with two small wheels. To move the log splitter, hold transport handle with your hand and carefully tilt back the log splitter. Make sure that the oil tank cap is closed.



NOTE



If you use a crane to handle the log splitter use a suitable lifting rope to sling the housing and hoist the machine carefully. Never hang the crane hook into the transport handle.

Prior to startup, all guards and safety devices must have been properly attached. Check whether all screws, bolts, hydraulic couplings and pipe clamps have been properly tightened. Always make sure before each starting that the hydraulic oil level is sufficient.

GETTING STARTED



WARNING!



Log splitter is supplied without the hydraulic oil. Please don't start the engine without filling the sufficient amount of hydraulic oil.

Remove the oil tank cap, fill in enough hydraulic oil and fix tightly before using.

1. Plan the work area before using the log splitter. Have the logs positioned where they can be easily reached.

2. The log splitter accommodates logs up to 550 mm (for model KS 8THE V 55/40) and 650 mm (for model KS 12THE V 65/40) in length. The log splitter will work most efficiently on dry, seasoned logs.

3. Position the log splitter securely on level ground. If necessary stabilise the wheels to prevent the log splitter from moving during use. If using an extension cable, do so in a safe way to avoid damaging the cable or creating a hazard.

4. The model KS 8THE V 55/40 have a vent plug at the machine front side (Fig. 1), model KS 12THE V 65/40 see fig 2. Every time you want to begin your work, you should screw out this plug some four turns to guarantee good air circulation in the oil tank.

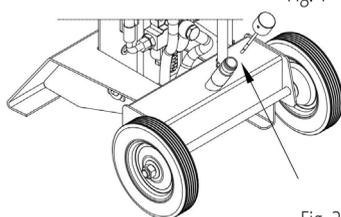


Fig. 1

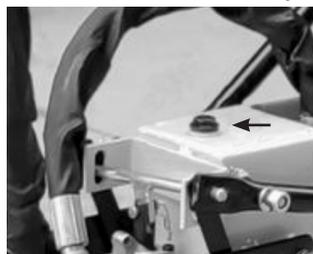


Fig. 2



ATTENTION!



For model KS 8THE V 55/40 press one handle before you turn on the switch and start the engine! (Fig. 3).

STARTING THE MOTOR

1. Position your log splitter on a flat, dry surface and chock the wheels to prevent the splitter from moving during use.

2. Make sure the log splitter is plugged into a properly grounded protected outlet.

3. Push the green button (Fig. 4).

STOPPING THE MOTOR

Push the emergency stop or red button to shut the Motor off (Fig. 4).

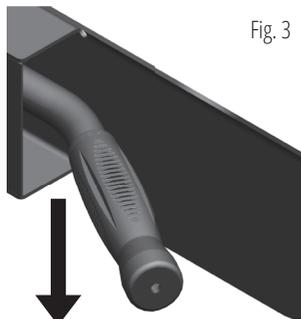


Fig. 3

 **NOTE** 
Unplug the power cord when not using the splitter.

 **WARNING!** 
Never force the splitting of a log by sustaining the hydraulic pressure for more than 5 seconds. Try re-positioning the log on the splitter.

Always use the locking device to secure the table at the desired position.

Before you transport this machine, close this plug (Fig. 5) to avoid oil leakage. If you leave the vent plug tightened while you are working the hydraulic movements will lead to some over-pressure which can damage your machine.

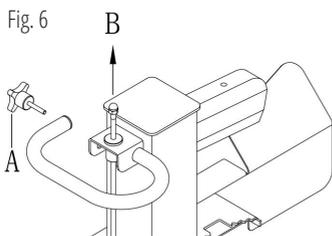
OPERATION INSTRUCTIONS

1. To ensure longer life apply some grease to the sliding surfaces of the arm whenever you intend to use this machine.
2. Always lay the power cord so that it cannot be damaged (by your working).
3. Open the vent plug. Open the hydraulic oil tank cap for a few turns whenever you start your log splitter. Completely close the hydraulic oil tank cap after work.
4. Check the running direction of the motor. When you start the motor the splitting blade will be automatically moved to its topmost position. If the splitting blade is already at its topmost position press the two operating levers down to activate the splitting mechanism. This will bring the splitting blade down. If the splitting blade does not move upward after you have started the motor immediately stop the machine.

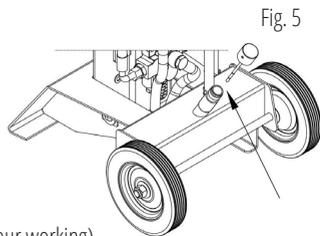
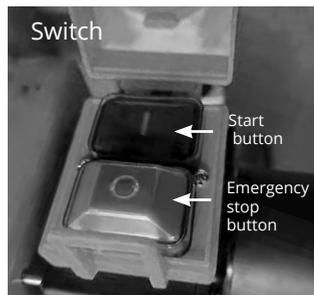
 **IMPORTANT!**  **The log splitter comes with all the necessary settings. If voltage is too low in mains, the motor can change polarity, which is very dangerous for the engine. If this happens, stop the engine immediately and restart the engine.**

 **ATTENTION – DANGER!**  **Never run the motor in the wrong direction. This will inevitably lead to damage to the pumping system, as a result of which you will no longer be entitled to claim under warranty.**

5. If you want to run this log splitter at very low temperatures run the machine idle for 15 min. before beginning to work to allow the hydraulic oil to warm up.
6. Prior to beginning your work, perform the following steps to check the functionality of your log splitter.
 - a). Press both operating levers down. This must bring the splitting blade down. The splitting blade must then come to a standstill some 5 cm above the topmost table position.
 - b). If you release one of the two levers the splitting blade will stop at its current position.
 - c). Releasing both levers will induce the splitting blade to automatically return to the top.
7. To set the splitting blade follow the steps described below:



- a). Bring the splitting blade into the desired position. The topmost position of the splitting blade should then be some 3 - 5 cm above the log.
- b). Release one of the operating levers or stop your log splitter.
- c). For model KS 8THE V 55/40 use a suitable tool to slacken star grip (A), (Fig. 6). Set the stroke adjusting rod so that it will act as a stop at the desired position. After that, re-tighten star grip (A).



d). Release both operating levers or restart the motor.

e). Check your newly set positions.

8. Now, place vertically under the splitting blade the log to be split. Make sure that the log is even and does not fall over on the splitting table. Never try to split canted logs.



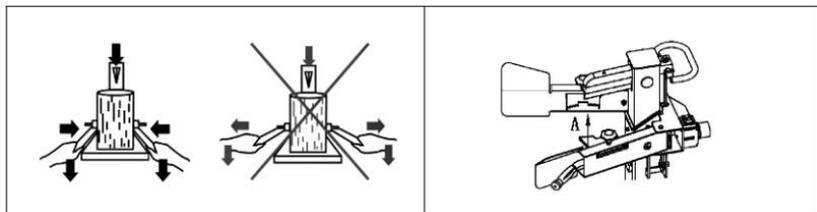
IMPORTANT!



Always split your logs along the grain. Never load the logs crosswise to the grain, as this can lead to severe damage to the mechanical and hydraulic systems.

9. Adjust the two levers, depending on the log diameters.

10. Hold the log with both levers to guarantee a stable standing position of the log. Then move both levers down to split the log. Releasing one of the two levers will induce the splitting blade to stop. If you release both levers the splitting blade will automatically move to its topmost position.



11. Immediately remove the split log parts from your working area and pile them up, if necessary. Thus you can reduce the risk of working accidents.

12. After you have finished your work, allow the splitting blade and the arm move to their topmost positions (parking positions). Then stop the motor and unplug the machine from your power supply source. Allow the machine to cool down. After that, you should clean and, if necessary, lubricate your machine. This log splitter may only be stored in vertical position and at a dry and clean place. Ensure that the oil tank cap is well closed and that no oil will emerge during storage.



ATTENTION – DANGER!



Accumulated log parts and wood chips are sources of danger. Always keep your surrounding area clean so that you cannot slip.

1. Always disconnect your power supply source from your machine before you begin to release any jammed logs.

2. Do not allow any other persons to assist you in releasing a jammed log.

3. When releasing a jammed log, never stick into your log splitter any means such as foreign objects of any kind. Please do not maltreat the jammed log with your feet or with any objects either, as a sudden release of the jammed piece will cause the log pusher to give way which can lead to personal injuries or damage to your machine, respectively.

4. All safety rules contained in the «General Safety Instructions» chapter shall apply to any of the interventions described before. The manufacturer will not be liable to any injuries of persons or animals or to damage to property as a result of improper use of this machine or of non-observance of the safety regulations.

REGULAR MAINTENANCE CHECKLIST

8

Clean the machine after each use. To guarantee the best possible and safest performance, keep your log splitter clean. Lubricate the machine according to the instructions. Check all seals, pipes and couplings for leakage before you start your log splitter. Keep the operating levers and the mains switch clean, dry and free of oil or grease.

CLEANING THE LOG SPLITTER

1. Unplug the power cord.

2. Use a moist cloth to clean the plastic parts. Do not use any cleaning agents, solvents or pointed objects.

3. Use a soft brush to remove dust deposits from the motor ventilation slots and from moving parts at regular intervals.

4. Apply some oil to all moving parts at regular intervals.

SHARPENING THE WEDGE

After using the log splitter for some time, sharpen the wedge using a fine tooth file and smooth any burrs or rough edges along the cutting edge.

REPLACING HYDRAULIC OIL

9

Replace the hydraulic oil in the log splitter after every 150 hours of use. T

The hydraulic system is a closed system consisting of an oil tank, an oil pump and of control valves. Too low an oil level can damage the pump. The oil level should not be lower than 1 – 2 cm above the lower surface of the oil tank. Change the oil completely once per year.

Ensure that no foreign particles will get into the oil tank. Properly dispose of the waste oil after each oil change. Allow your log splitter to run idle for a few minutes after each oil change before you place it into operation again.

Use hydraulic oil ISO VG 22.

The following hydraulic oils or equivalent are recommended for the log splitter's hydraulic transmission system:

- SHELL Tellus 22
- MOBIL DTE 11
- ARAL Vitam GF22
- BP Energol HLP-HM22

POSSIBLE FAILURES AND SOLUTIONS

10

Problem	Possible Cause	Remedy
Motor does not start	No power in wall socket	Check fuse box
	Extension cable defective	Unplug, check and use new one, if necessary
	Wrong supply, 400 V, three-phase current	Have it checked by electrician
	Switch defective	Have it checked by electrician
Wrong motor direction	Wrong polarity	Restart the engine
		Restart the engine
Splitter not moving although motor is running	Valve not opened, caused by loose connection	Tighten loose parts
	Oil level too low	Replenish oil
Splitter working, however, with untypical noise and vibration	Oil level too low	Replenish oil

WARRANTY SERVICE TERMS

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The international manufacturer warranty is 1 year. The warranty period starts from the date of purchase. In cases when warranty period is longer than 1 year according to local legislation please contact your local dealer. The Seller which sells the product is responsible for granting the warranty. Please contact the Seller for warranty. Within the warranty period, if the product fails because of defects in the production process, it will be exchanged on the same product or repaired.

The warranty card should be kept throughout the warranty period. In case of warranty card loss, a second one will not be provided. The customer must provide the warranty card and buyer's check during request for repair or exchange. Otherwise, the warranty service will not be provided. The warranty card, attached to the product during sale, should be correctly and fully completed by the retailer and customer, signed and stamped. In other cases, warranty is not considered as valid.

Provide clean product to the service center. Parts, that must be replaced, are the property of the service center.



EC Declaration of Conformity

Nr. 117

The following products have been tested by us with the listed standards and found in compliance with the European Community Machinery Directive 2006/42/EC, Electromagnetic compatibility Directive (EMC) 2014/30/EC, Noise Directive 2000/14/EC.

Manufacturer: DIMAX INTERNATIONAL GmbH
Address: Flinger Broich 203, 40235 Duesseldorf, Germany

Product: Electric log splitter "Könner & Söhnen"

Type / Model: KS 8THE V 55/40, KS 12THE V 65/40

The statement is based on a single evaluation of above mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo. The manufacturer should ensure that all product in series production are in conformity with the product sample detailed in this report. The applicant should hold the whole technical report at disposal of the competent all the right.

Applied EC Directives: 2006/42/EC Machinery Directive
2014/30/EU Electromagnetic compatibility Directive (EMC)
2000/14/EC Noise Directive

Applied Standards: EN 60204-1:2006+A1+AC
EN 609-1:2017
AfPS GS 2014:01
EN 55014:20017
EN 55014-2:2015
EN 61000-3-2:2014
EN 61000-3-3:2013

2000/14/EC_2005/88/EC Annex VI

For models KS 8THE V 55/40, KS 12THE V 65/40 noise guaranteed $L_{WA} = 97$ dB (A).



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General director: Fomin P.

DIMAX
International
GmbH
Steuer-Nr: 103 5722 2493
USt-Id-Nr: DE296177274

P. Fomin

We DIMAX INTERNATIONAL GmbH hereby declare that specified above conforms covering European Parliament and Council Directives, 2006/42/EC of 17 May 2006 Machinery Directive, Electromagnetic compatibility Directive (EMC) 2014/30/EC of 26 February 2014, Noise Directive 2000/14/EC of 8 May 2000. The CE mark above can be used under the responsibility of manufacturer. After completion of an EC declaration of Conformity and compliance with all relevant EC directives.

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