ID: 20750

ENG

CIRCULAR SAW LANCMAN

V: 1.5

Type: 705 ELD



LANCMAN 705

CE

USER'S MANUAL

LANCMAN® by GOMARK

GOMARK d.o.o.
Čeplje 56,
SI-3305 Vransko, Slowenien
http://www.LANCMAN.si

**he user manual is the intellectual property of the company GOMARK d.o.o.
Therefor any reproduction and copying of the
instructions without the owner's prior knowledge is a crime.
Issued in July 2024, contains a declaration of conformity.**

WARNING

THIS MACHINE CAN BE MANAGED

BY A PERSON WHO IS FAMILIAR WITH

THE USER'S MANUAL AND

SAFETY WARNINGS ONLY!

IF THE PRODUCT IS

HANDED OVER TO A THIRD PARTY, IT IS REQUIRED

THAT YOU HAND OVER THE INSTRUCTIONS

FOR THE SAFE USE, MAINTENANCE

AND PERFORMING AN INSPECTION OF THE MACHINE.

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ENG

DECLARATION OF CONFORMITY

EC DECLARATION OF CONFORMITY OF THE MACHINE NO. 01./KL 705

The producer GOMARK d.o.o., Čeplje 56, 3305 VRANSKO declares that the machine stated below has been planned and constructed in accordance with the EC directives listed in the table below.

This statement does not apply to unauthorized changes to the machine.

CIRCULAR SAW LANCMAN®

Type: 705 ELD

Serial number: on the plate of the machine.

Production date: on the plate of the machine.

The machine is produced in compliance with requirements of the following regulations:

EC-DIRECTIVE	HARMONISED EUROPEAN STANDARDS
EC-MACHINE-DIRECTIVE 2006/42/EC	EN ISO 12100:2011,
EC-LOW-VOLTAGE-DIRECTIVE 2006/95/EC	EN 60204-1:2006/ A1:2009,
EC-ELECTROMAGNETIC COMPATIBILITY 2004/108/EC	EN 1870-6:2017

Acoustic power level for model PTO, PTO + EL – Empty working/Working with wood	94/97 dB
Acoustic power level for model EL, ELD - Empty working/Working with wood	94/97 dB

The values shown in the table have been obtained by using electrical drive, keep in mind that real values are determined with the tractor emissions as well. The figures shown represent emission levels which do not necessarily reflect safe work levels. Even though there is a correlation between emission levels and exposure levels, this is not sufficient to determine whether further precautions are needed or not. The factors which influence the effective exposure level of the operator include the characteristics of the work environment, noise sources, etc. such as the number of machines and the carrying out of various procedures. In addition, the admissible exposure level may vary from country to country.

In any case, this information will give the user of the machine the opportunity to assess risks and dangers to a better extent.

Responsible for the technical documentation: Gomark d.o.o., Čeplje 56, 3305 Vransko, Slovenia.

Čeplje, 03.01.2024

Responsible person:

Matjaž GOSAK

GOMARK
trgovina in proizvodnja, d.o.o.
Čeplje 52, SI-3305 VRANSKO

WARRANTY TERMS AND CONDITIONS

The warranty applies to machines and components - if used properly (as described in the user manual) they will work flawlessly.

Warranty period:

- **for home use: 24 months,**
- **for professional use: 12 months (industry).**

The warranty covers replacement of defective parts and repair work, but excludes transport fees. Warranty applies only with a correctly completed warranty certificate and receipt of purchase.

The warranty is voided if:

- failure to comply with the user’s manual,

- if it is found that a pre-repair was carried out by an unauthorized person,

- if non-original spare parts were built in,

- if the product was used in an negligent manner,

- due to failures, made by mechanical blows caused by the buyer or a third person.

The warranty does not apply for expendable materials, stated in the instructions.

The warranty does not apply in the case of failure to comply with the user's manual which is an integral part of the machine. Warranty also does not apply in case of unauthorized repairs to the machine and changes of the machine.

Warranty repairs are carried out by the authorized service stated by your dealer or dealer who sold you the machine.

1. TO THE BUYER - USER

Dear buyer.
We thank you for the confidence you have shown us by buying our product. We are confident that you will be satisfied with it. Before you first use the machine carefully read and learn the instructions on the safe use and maintenance, description of the intended function, functionality and working environment of the machine. The instructions are designed to introduce all the required activities prior to the first use of the machine, maintenance and carrying out regular inspections.

⚠ **In the event that you hand over the product to a third party, you also must hand over the instructions for safe use, maintenance and performance of regular inspections.**

When reading the instructions, please pay special attention to the chapters and paragraphs, marked with the following symbol.

⚠ **This symbol especially emphasizes the importance of that text in the specific chapter of the instructions.**

We reserve the right to design changes and make technical improvements. Any partial or total reproduction of these instructions, text or images is a criminal act.

2. INTENDEND USE

The mechanical CIRCULAR SAW, intended for log cutting only (without nails, screws etc.), with a maximum length of 100 cm. The diameter of the wood must be at least 5 cm and 35 cm at the most. Irrespective of the diameter of the wood you may not put more than 1 piece of wood on the tilting table at a time.
Any other use is considered improper. The damage caused by improper use is the RESPONSIBILITY OF THE USER ONLY.
Wood for sawing must be stored near the usual working place of the user of the machine
The user must consider security, working and maintenance instructions as well as dimensions stated under technical data. It is prohibited to saw wood without the tilting table
The machine may be used, handled and repaired only by a person who is familiar with the machine and hazards. The right position for sawing is always directly behind the handle of the tilting table. In other positions the user bears the risk!
At every working procedure, the tilting table should be placed in the starting position.

⚠ **Any deviation from the prescribed use is considered ineligible, and the manufacturer is not liable for security and functionality.**

⚠ **Any remodeling and replacement of the original components of the CIRCULAR SAW eliminates the warranty of the manufacturer for safety and functionality of the machine.**

The machine may be used, handled and repaired only by adults (at least 18 years old), familiar with the instructions.

3. SERVICING AND ORDERING OF SPARE PARTS

Servicing and elimination of defects within the warranty period and afterwards will be performed direct by your dealer. For any help you can always turn to the producer:

GOMARK d.o.o., Čeplje 56, SI-3305 Vransko, Slovenia, Phone: +386 3700 15 03

When ordering spare parts always indicate the following data:

- name of the machine,
- indication of the machine-type,
- serial number of the machine,
- year of manufacture of the machine.

All information for the ordering of the spare parts are written on the plate or. permanent label on the machine.

4. TECHNICAL INFORMATION AND DESCRIPTION OF THE MACHINE

4.1 Technical information on the machine

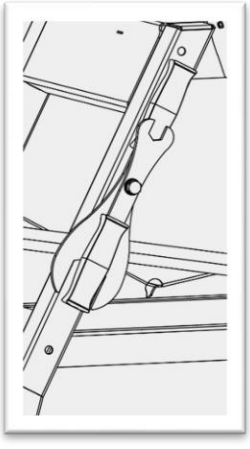
CIRCULAR SAW LANCMAN	***705 ELD***		
DIMENSIONS (HxWxL)-	1250×1190×1060		
SUITABLE SAW BLADE (Ø)	700 mm/Achse 30 mm		
RECOMMENDED THICKNESS OF THE SAW BLADE:	4,2/4,5 mm		
REVOLUTIONS ON THE SAW BLADE:	1350 Um./Min		
Transmission ratio:	1:1		
Weight:	135 kg		
Drive			
Drive:	Electric Motor 400 V / 50Hz		
Energy use P1:	5,5 kW		
Engine Power P2:	4,4 kW		
MAX revolutions:	1440 Um./Min		
Art of working:	S6/40 %		
El. Switch:	400 V/16A El. schwitch with brake		
Data for operation / Cutting height			
Min. thickness of the wood:	**Max 240 mm**		
Max. thickness of the wood:	**Max 290x230 mm**		

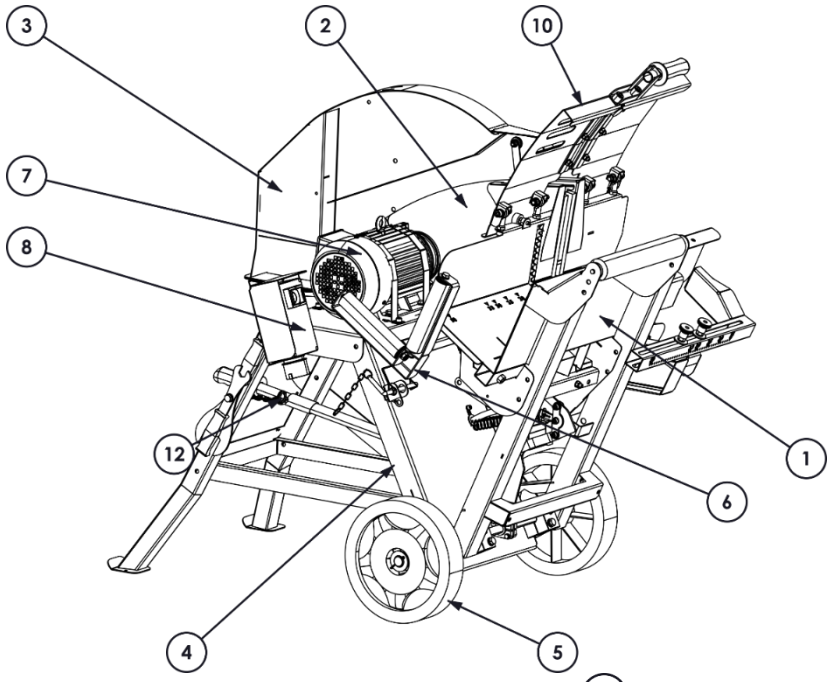
4.2 Description of the machine

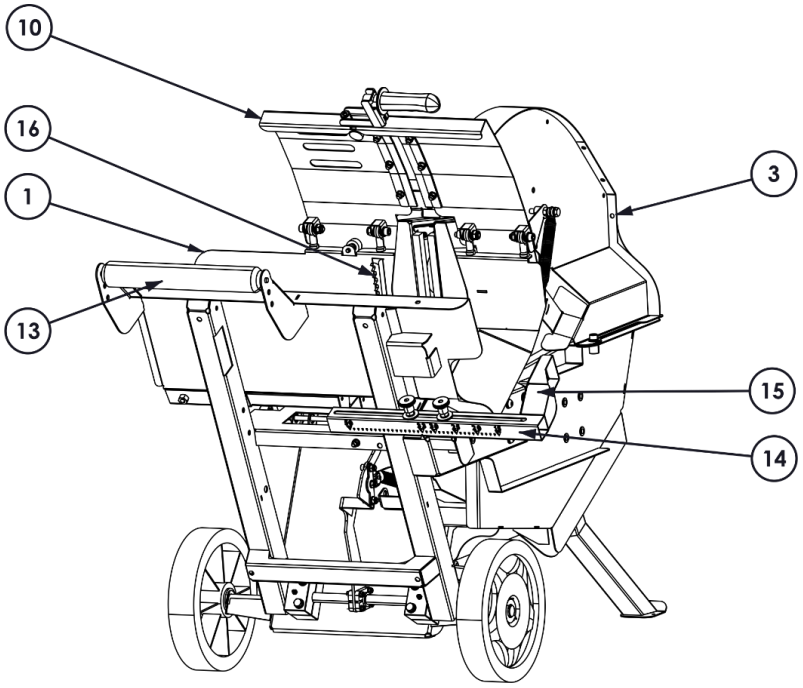
The circular saw has a strong metal carrier frame, tilting table, protective cover of the saw blade, conveyor belt and hydraulics.

The saw includes the following wrenches for securing the saw blade (more about assembly/disassembly of the saw in the title 8.8).

Mounting key No. 48 and 19.



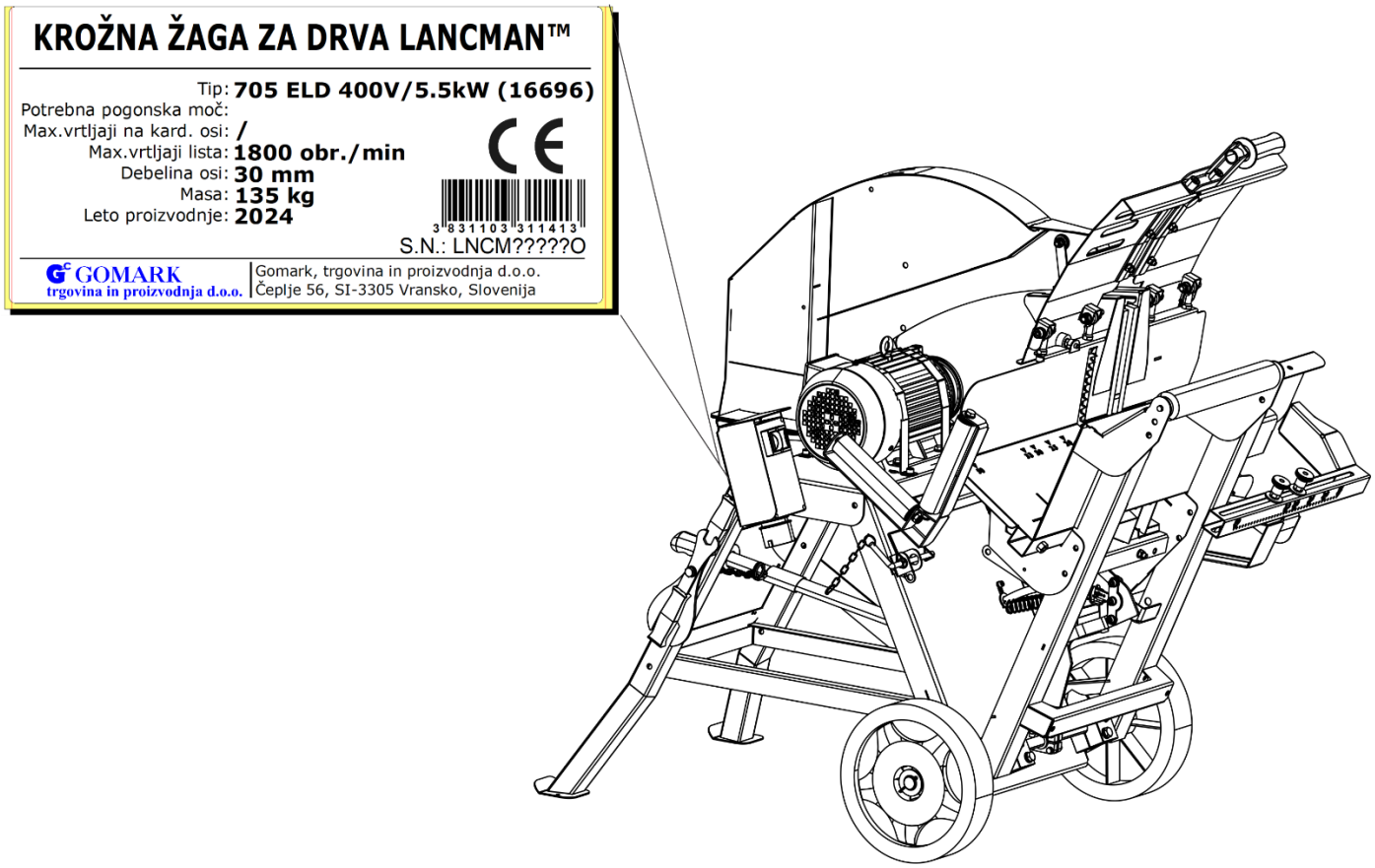




1- TILTING TABLE	**10- TILTING TABLE COVER**
2- SAW BLADE	**12- TRANSPORT LEVER**
3- SAW BLADE GUARD	**14 – CUTTING LENGTH ASJUSTEMENT**
4- MAIN FRAME	**15 – CUTTING LENGTH LIMITER**
5- WHEEL	**16 – LOG HOLDER – HOLD-DOWN DEVICE**
6- LOG SUPPORT* (additional equipment)	
7- ELECTRIC MOTOR	
8- ELECTRIC SWITCH WITH BRAKE	

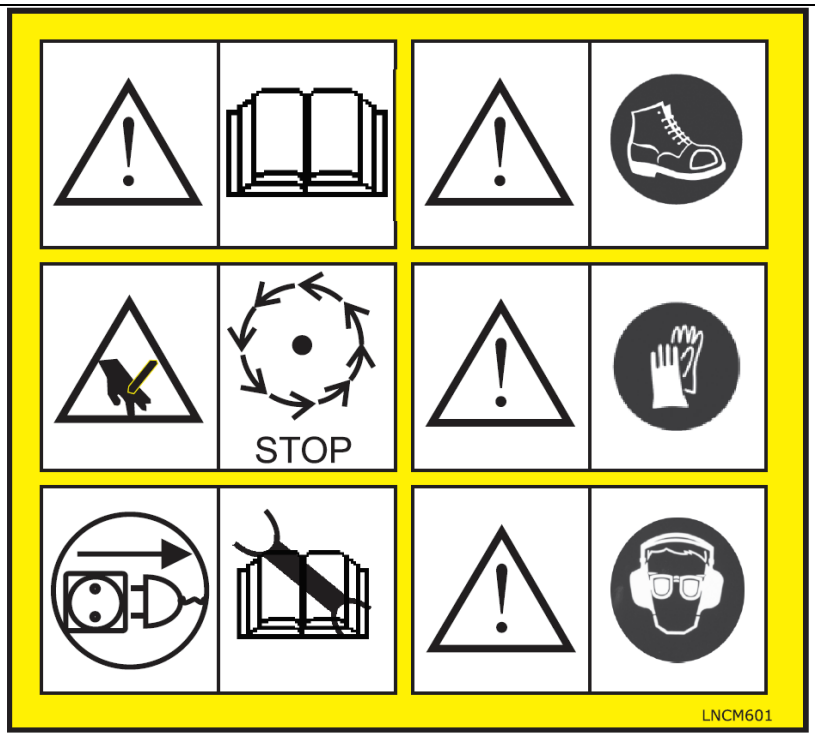
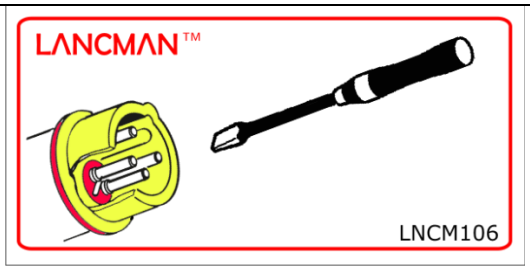
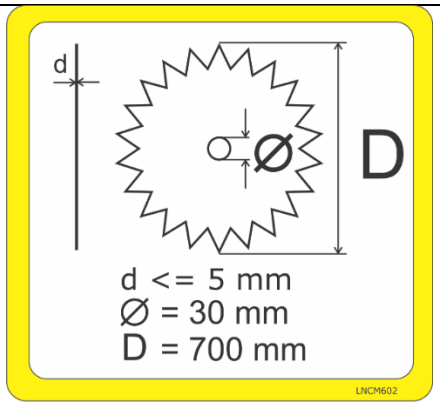
5. MARKING AND IDENTIFICATION

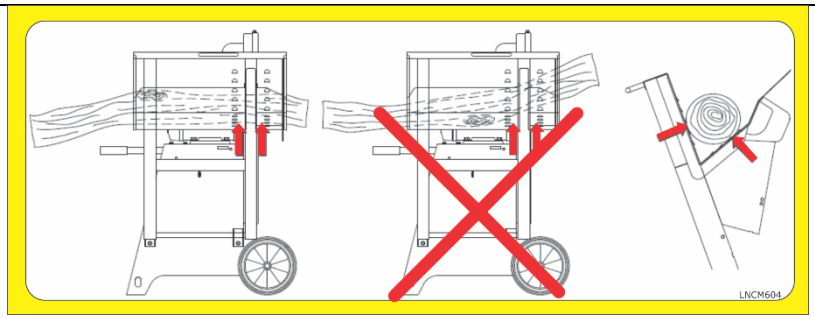
5.1 Picture with identification data on the machine and location of the plate



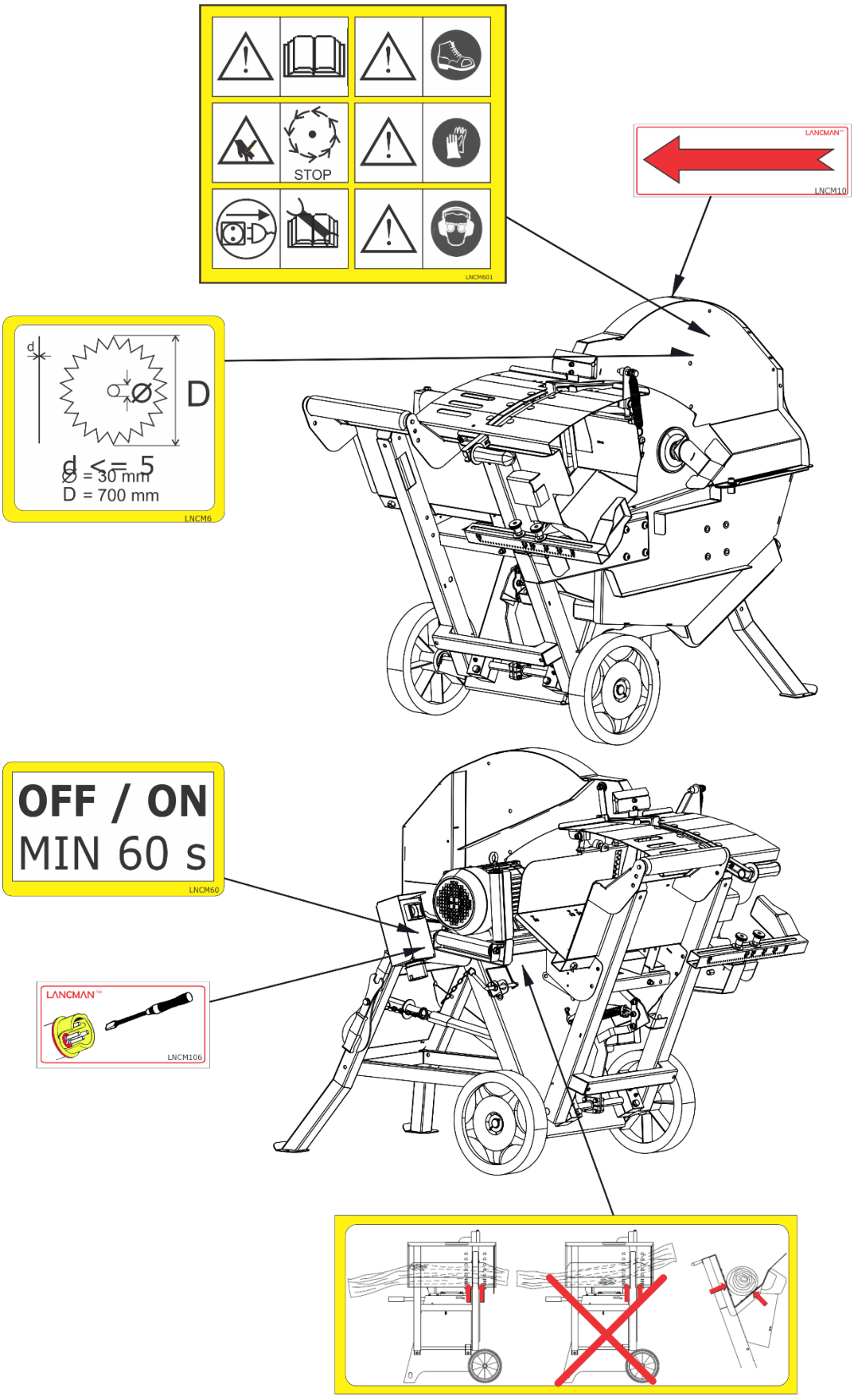
5.2 Warning signs-PICTOGRAMS

Warning signs, placed on the circular saw, are warning the workers of the dangers which may occur when using the circular saw (each pictogram is placed once only).

LNCM601		**PLEASE CAREFULLY READ THE USER'S MANUAL BEFORE USING THE MACHINE.** **RISK OF INJURY – CUTS DUE TO THE ROTATING CUTTING TOOLS.** **ATTENTION! BEFORE MAINTENANCE, SETTING AND CLEANING PULL OUT THE MAIN PLUG (700 EL) OR REMOVE THE PTO SHAFT (700 C)!** **OBLIGATORY USE OF SAFETY SHOES** **OBLIGATORY USE OF PROTECTIVE GLOVES AND PROTECTIVE CLOTHES.** **OBLIGATORY USE OF PROTECTIVE GLASSES AND HEARING PROTECTION**
LNCM109		**RIGHT ROTATION DIRECTION OF THE SAW BLADE!**
LNCM106		**SETTING THE DIRECTION OF THE MOTOR ON THE CIRCULAR SAW.**
LNCM602		**SIZE OF THE SAW BLADE** **d – WIDTH OF THE SAW BLADE** **Ø – WIDTH OF THE AXLE/DIAMETER OF THE AXLE** **D – DIAMETER OF THE SAW BLADE**

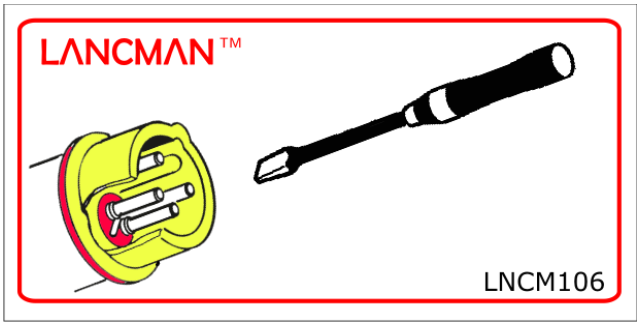
LNCM603		**MINIMUM PAUSE AFTER THE ENGINE HAS STOPPED AND BEFORE YOU CAN TURN THE ENGINE ON AGAIN.**
LNCM604		**PROPER USE OF THE SAW OR HOW WOOD SHOULD BE PLACED ON THE WORKING TABLE.**
LNCM606		**NOISE LEVEL**

Places where the pictograms are positioned:



6. START, STOP

6.1 Electric drive



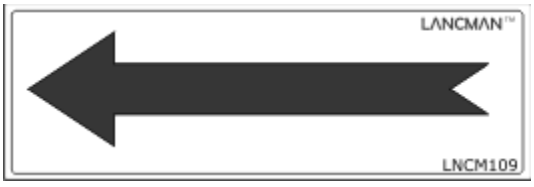
The machine uses a three-phase 400 V.

Therefore, before any new connection or change of location it is necessary to check the direction of rotation; if necessary, polarity should be changed (switch the combination: switch - plug - phase transmission).

The direction of rotation is correct if the teeth on the saw blade rotate towards the working side (see pictogram on the protection of the saw blade). If the direction of rotation is incorrect, it is necessary to change the direction, so that the two poles of the phase transmission (black) in the plug change using a phase inverter –(a screw) by gently pushing it and turning it 180 °. Check the arrow - the direction of rotation.

Check the direction of rotation!!

When checking the direction of engine rotation, let the engine run for the shortest time possible!



Work on the electrical equipment must be carried out by trained personnel only!

Warning: This device may only be connected to the electricity supply network with an electrical impedance of less than or equal to Z_{Max} = 0.39 Ohm. In case you do not know the network impedance, please consult your supplier of electricity.

The machine may work only through a network protected by a protective switch of fault current <30mA.

Before you plug in the saw, please check if the power and voltage are proper. Carefully read the plate on the electromotor and on the circular saw. The line voltage must be at 400 V/50 Hz.

The circular saw is equipped with a heat relay which stops the engine if overheated.

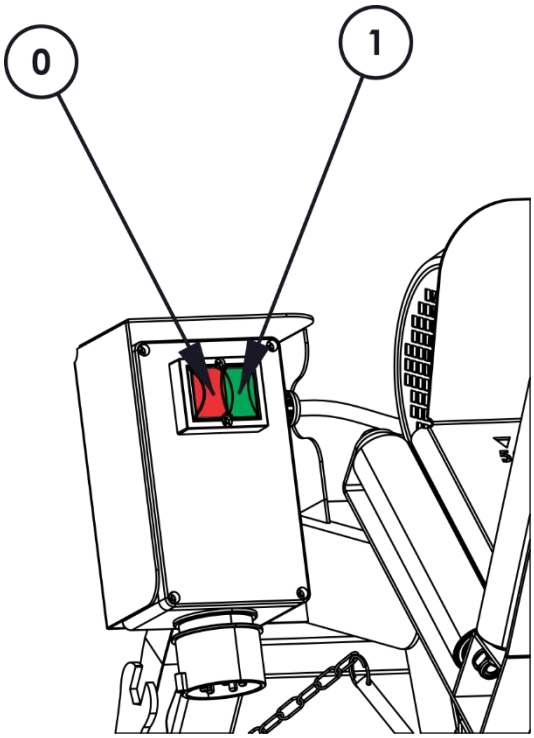
Mains cables and extended electric conductors must contain 5 wires (3P+N+Z) or 3 wires (1P+N+Z), depending on the model and the power of the connection (see the table with the technical data). Connection to the mains - only via plug with a protective contact 5-pole 400V with a 16A fuse.

In order to prevent overheating of the engine, use a right electric conductor (min. thickness 2.5 mm (0.098 inch)/max. length 15 m (49.2 feet). Do not use a rolled cable.

The saw is equipped with an electronic brake. If the green button (see picture) pops out as soon as the motor is turned on, it means it has not sufficiently cooled. **Never hold the power button!**

After switching off the engine, the saw blade stops after about 10 seconds. During braking and for a little time after it stops, the machine hums. In this phase, never turn the switch on or off. You may switch on the engine for 1 minute after the sound dies down.

START (1): press the green key



STOP (0): press the red button

BEFORE CARRYING OUT MAINTENANCE AND INSPECTIONS PULL THE ELECTRIC PLUG OUT (DISCONNECT IT FROM THE POWER NETWORK)!

Due to inflexible plug connections the CEE plug may get ripped from the chassis of the switches. Use a coating or sprays to protect the plastic.

For such damage the warranty is voided.

Caution: In the event of a machine brake failure the circular saw should not be used! In case of danger, for example entrapped piece of wood, immediately press the EMERGENCY STOP button! Otherwise the motor will overload.

Make sure that the power is grounded and that the saw is connected to a voltage with a differential switch.

When using a circular saw, make sure that no additional electricity consumers are connected to the same circuit as this, in the given circumstances may initiate the fuse.

In case of overheating due to machine overload, it turns off automatically via the built-in overload switch. The engine may be switched on again only after it has cooled down to a surface temperature of about 30 ° C.

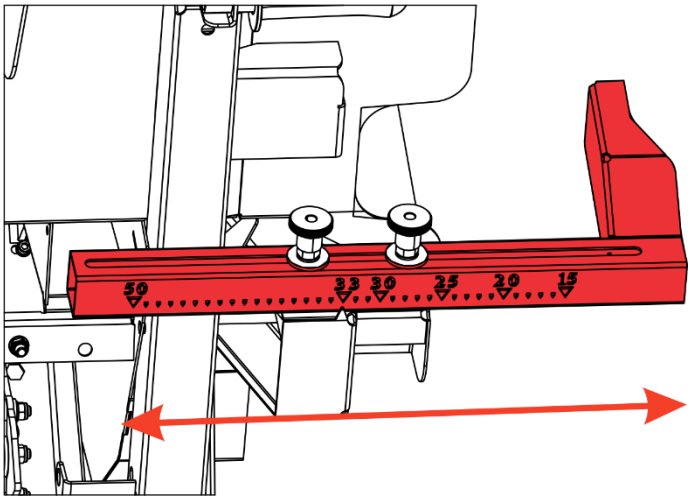
The engine and switch should not be cleaned with a jet of water, high-pressure cleaner or similar devices! There is a risk of electric shock and destruction.

In addition, it is prohibited to use the saw outdoors in wet weather! There is a danger of electric shock!

6.2 Scale on the tilting table

The saw has a built-in scale with an ejection chute for firewood. The measuring device allows for setting the length of the firewood to be cut, as per requirement, up to a maximum length of 50 cm.

The scale is not calibrated by an authorized organization.



7. WORK WITH CIRCULAR SAW

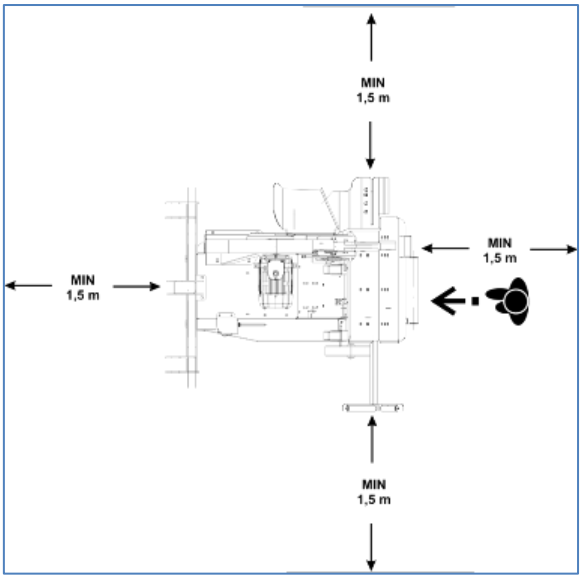
The CIRCUALAR is intended for use by one person at a time. The machine should never be used by two people at the same time! Failure to comply with the instructions for use or directions can lead to injuries and may even be fatal to the operator.

Provide safety instructions to all persons working on the machine!!

It is important that all users are properly trained on the use, configuration, and operation of the tilting circular saw. The user must be aware of the factors that influence noise exposure (such as saw blades that are designed specifically to reduce emitted noise, as well as the maintenance of the saw blade and tilting circular saws).

In addition, the user must be informed about the factors that affect dust explosion. The user must be familiar with the type of material that can be sawed. It is also important that the user knows where dust is ejected and where other waste is located, so that they can take the necessary action (vacuum cleaner placed at the site of ejection) and a dedicated setting of the suction covers, deflectors and catcher for chips.

When working wear safety goggles, respiratory protection, safety shoes, hearing protection and close-fitting clothes! Also remove jewellery, rings and watches.



Make sure that the machine is placed on a flat surface with a solid base and is stable. This means that the surface is non-skid, vibration-free and stable. Make sure that the floor around the machine is free of waste, such as wood chips and cut pieces. All protective and safety devices must be mounted on the saw.

It is also necessary to provide adequate lighting.

Before starting the machine, perform verification functions.

After the first 3 hours of operation tighten all the nuts and bolts, and then after every 25 hours of operation.

Check the electrical connection cables and do not use damaged extension cords. Make sure that children do not approach the device that is connected to the network. The person who operates the machine must be at least 18 years old. Apprentices must be at least 16 years old, and can only work

under supervision (Attention! Comply with your national regulations.). The operator should be focused when using the machine and should not let anyone disturb him/her.

Since the saw is not equipped with a device for the extraction of dust, it may be used only outdoors and not in enclosed spaces. Otherwise, it is necessary to install a suction device, which conforms to EN 12779:2004 standards, to the circular saw. Pay attention to the life span of the sawblade.

Always maintain a clean working environment. In the working place there should be no wood waste and other parts lying around.

Use only sharpened saw blades with no cracks and other deformities (bent saw blade is not suitable) should be installed.



Do not remove or change in any way the safety parts of the machine (switch with an electric brake, protective cover of the saw blade)!



Never leave the machine unattended during operation!



Before each use, check the condition of the circular saw and particularly the condition of the protective cover and the condition of the saw blade! In case of damage, call customer service or replace the saw blade with a new one! Do not operate the saw blade until the defects are corrected.

In case of troubleshooting or removing trapped wooden pieces, shut down the machine. To do this, press the 0 key and pull out the plug!



Be careful at work: there is a risk of injury to fingers and hands from the rotating cutting tool.

Wooden splits and sawdust should be promptly removed from the machine in accordance with the requirements, so that they do not impede safety in the workplace. There should be open space for the discharge of sawdust. When there is a large pile of sawdust under the blade, remove it, as otherwise the teeth of the saw blade will throw back the sawdust. The sawdust in the vicinity of the saw blade should not be removed by hand.



During operation, never reach with hand into the vicinity of the saw blade. In case there is a need to remove any part of the cut wood or wooden splits, make sure that the machine is at a standstill.

When sawing curved wood, the curved side must be directed towards the slot in the saw blade to prevent tipping over and jamming the wood during sawing. When pressing the tilting table hard towards the saw blade, the motor is also heavily loaded. Therefore, the wood may jam in the saw blade (risk of motor overload!).

Installations, repairs and maintenance of electrical installations may be performed only by experts.

When leaving the workplace switch off the engine - **pull out the plug!**

Only saw blades that are made in accordance with the standard EN 847-1:2005+A1:2007 may be used.



To prevent fire, it is necessary to clean and maintain the machine and regularly remove wood chips and dust.



The circular saw can only be used outdoors!

8. MAINTENANCE

8.1 Electrical switch of the circular saw

Check electrical switch brake before every start the!

Switch the electrical motor on, as to start working. After 30 s switch it off. Check the stopping of the saw blade – it must be under 10 sec. There is a noise – click in the switch – this is quite normal. In case of the switch malfunction, the machine must not be used!

The machine should be inspected by the specialist.

Cleaning, settings, fine settings should be made only when the machine is switched off and the extension cord is unplugged, or the PTO shaft is unplugged.

8.2 Other parts

Lightly lubricate the joint parts of the circular saw, if necessary.

8.3 Saw blade

The operator must select only the saw blades, with a suitable diameter and thickness for the machine according to the model type. It's described in the technical data of the machine.

Only saw blades that are made in accordance with the standard

EN 847-1:2005+A1:2007 may be used.

Check that the saw blade can operate at a max 2000 revolutions/minute! *Consider the maximum speed of the saw blade!*

CAUTION:

The diameter of the saw blade may decrease due to grinding by 5% at the most!

Before each use, check the saw blade. Use only well sharpened saw blades and saw blades with teeth spread out evenly.

A well-sharpened blade increases the working capacity and reduces the risk of kickback. Bad or blunt saw blades mean a lot of power consumption and may lead to motor overload.

If the blade is not sharp enough, it can quickly overheat. Timely replacement with a sharpened saw blade is recommended. Due to overheating, cracks can occur in the saw blade. Cracked saw blades must be replaced. Protect the saw blade against rust with a little grease or oil.

Saw blades on the machine are made of hard metal with 42 teeth. The wood must have NO nails or other hard objects. When sawing parts of the veneer the saw blade can break off or the teeth of the saw may be damaged in some other way.

The saw blade is not designed for such use. Failure to observe this instruction will nullify the warranty claims!

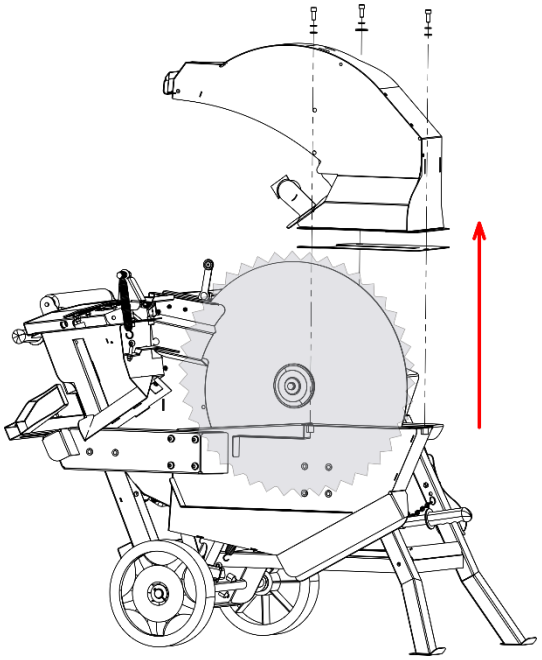
8.4 Attaching the saw blade onto the spindle

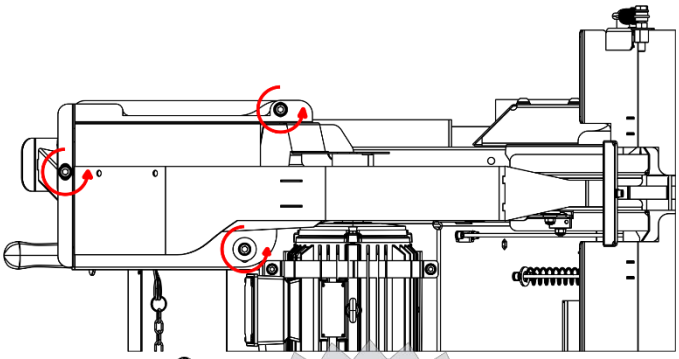
To attach the saw blade always use the original flange of the saw (as required by the manufacturer)!

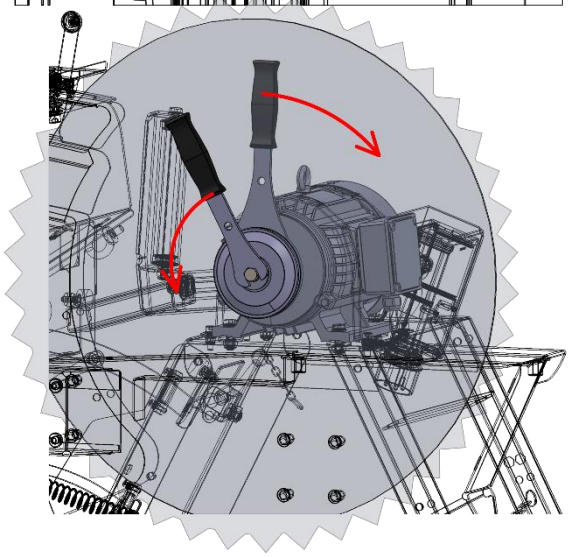
If the diameter of the spindle is smaller than the diameter of the bore of the saw blade, it is necessary to compensate for the difference using flanged sleeves, as required by the manufacturer. Loose interim rings or sleeves are not suitable.

8.5 Changing the saw blade

Disconnect the circular saw from the drive (pull the plug out or switch off the PTO shaft or unplug the electric cable).



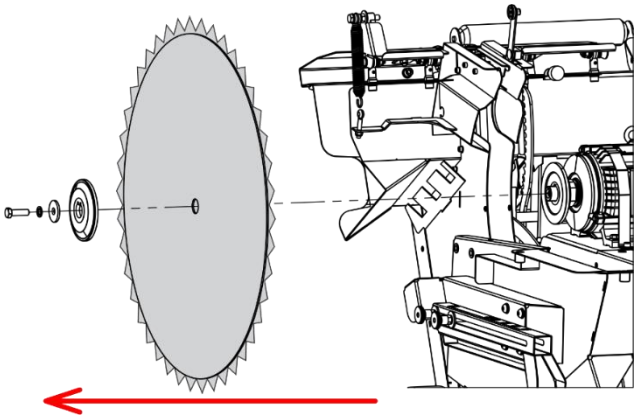




Unscrew it and remove the screws of the protective cover (4 screws).

Remove the protective cover of the saw blade.

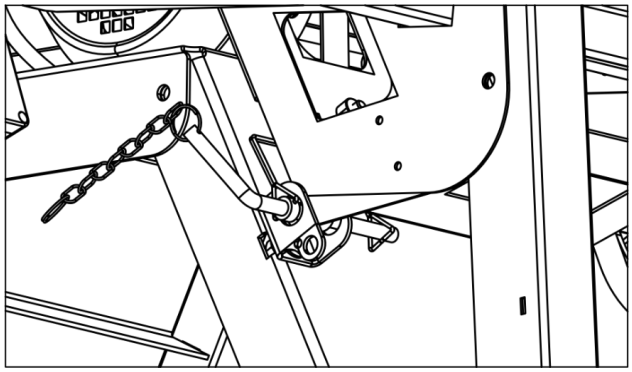
Wrenches no. 48 and 19 are enclosed. Take wrench no. 48 and fix the nut on the flange (thereby fixing the saw blade), then take key no. 19 to unscrew the nut, which is embedded in ELECTRIC MOTOR of the circular saw. Unscrew the nut completely to remove the flange of the saw blade. Then remove the saw blade. Always hold the saw blade with both hands. ***When removing and installing the saw blade always use appropriate protective gloves to prevent cuts!***



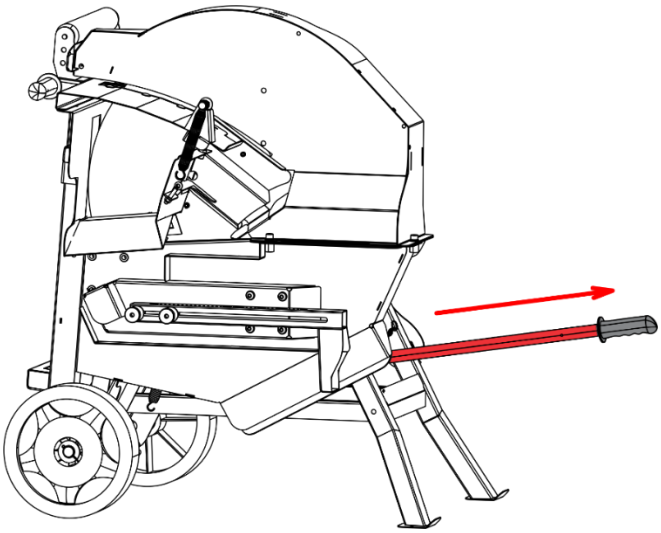
Before inserting the sharpened blade, check it for possible cracks or other damage (test the sound of it)! Always insert the new blade in reverse order. Firmly tighten the nut on the axis of the saw blade by holding the flange with wrench no. 48. Make sure that the protective cover of the saw blade is positioned so that the tilting table and the various parts move smoothly and do not come in contact (collision)!

9. TRANSPORT

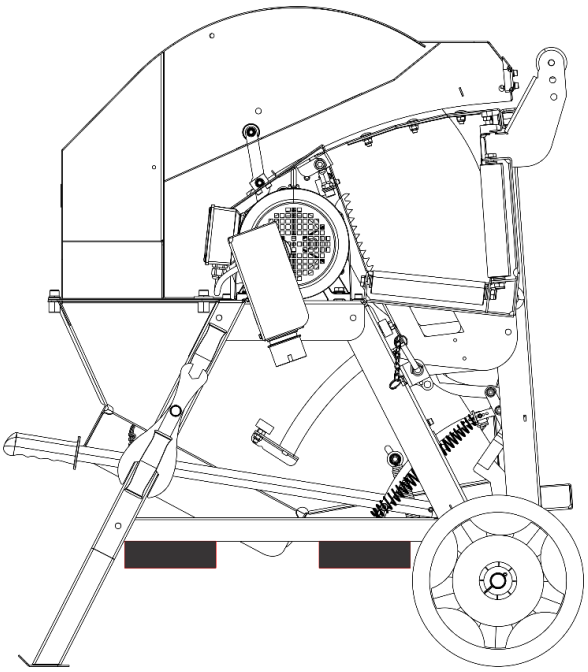
For transporting the circular saw close and fix the tilting table. Fix it with the attached fixing bolt. The circular saw is equipped with transport lever for easier transport, as shown on the picture - below



Picture on the right shown, how to fixing tilting table. Before the transport tilting table must be fixed with the fixing bolt and locked with the safety locker.



Put the circular saw on the chosen place.



Circular saw can be lifted with the fork lifter on the way, as shown on the picture left (before every move check the weight of the machine on the label). Machine can be lifted with the forks on the places, as shown on the picture.

10. TROUBLESHOOTING

What could be the reason, if

... electric motors do not start?	Electric supply is not wired correct. The extension cord is damaged. Automatic fuse is activated, or the size of the fuse is not enough (it should be at least 16 A)! Electric motor is cooling down! The PTO drive cover is open, by double drive model, PTO and electric.
... electric motor switch off after a while?	The saw blade is blunt - not sharpened. Extension cord diameter is too small. The extension cord is too long. Electric motor is overheated! One of the electric phases is wrong attached to the extension cord!
... the material for sawing gives off smoke.	The saw blade is improperly mounted. The saw blade is blunt - not sharpened. The direction of rotation is incorrect (change the phase).
... the capacity of sawing is bad.	The saw blade is blunt - not sharpened. The teeth of the saw blade are not spread out evenly. The saw blade is coated with resin!
...the blade does not run straight.	Axle of the saw blade is uneven. Change the axle of the saw blade.

11. CONSUMABLE PARTS OF THE CIRCULAR SAW

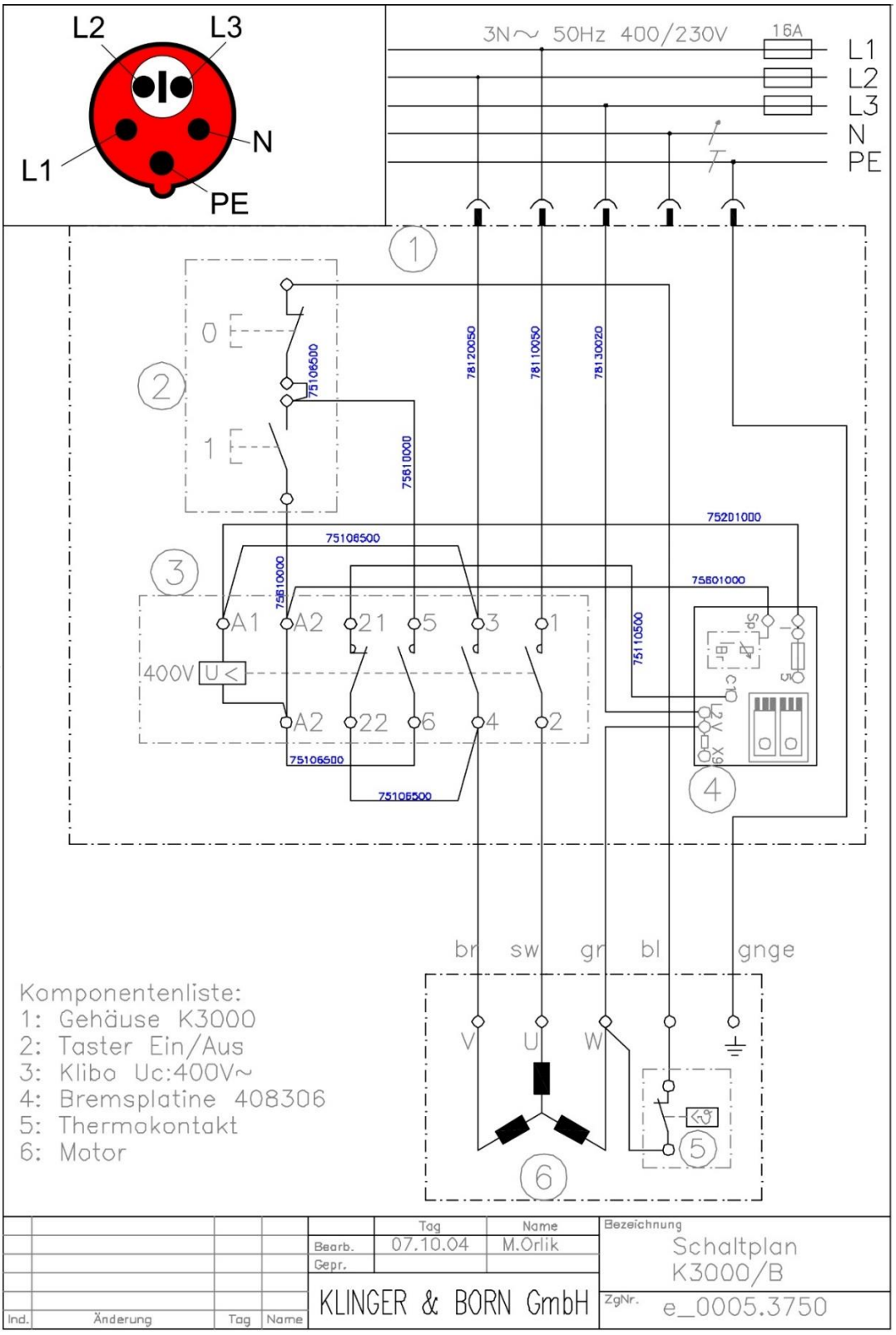
The consumables parts of the circular saw include:

- Aluminium blocks in the seesaw of the saw,

- Wear and damage of circular saw blade.

Consumables and wearing parts are excluded from the complaint.

12. ELECTRICAL SCHEME



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NAZIV IZDELKA•PROIZVOD•PRODUCT•PRODUKT•PRODUIT• PRODUCTO • PRODUS

TIP/TYPE/TYP/TIPO/TIP:

SER.ŠT. • SER.NR. • SER.NO. • NÚMERO SERIAL • SERIA DE FABRICATIE:

- Ime, sedež in žig prodajalca:
- Naziv, sedište i pečat poduzeća:
- Reseller full name and address:
- Name, Sitz und Stempel des Unternehmens:
- Jméno, adresa razitko prodávajiciho:
- Meno, adresa a pečiatka predajcu:
- A terméket forgalmazó cég neve, székhelye és bélyégzoje:
- Concessionnaire nom, lieu et cachet:
- Nobre, dirección y sello de vendedor:
- Numele, adresa si stampila vanzatorului:

Datum izročitve blaga • Datum prodaje • Date of purchase • Verkaufsdatum • Data sprzedazy • Date predaja • Az eladás dátuma • Date de la vente • Fecha de la entrega • Data vanzarii

Podpis prodajalca • Potpis • Signature • Unterschrift • Potpis • Aterförsäljares namnteckning • Podpis prodejce • Aterförsäljares namnteckning • Signature du vendeur • Firma de vendedor • Semnatura vanzatorului

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