ID: 19536

ENG

CIRCULAR SAW LANCMAN

V: 1.6

Type: 707 ELD, 707 EL, 707 C, 707 C+EL



LANCMAN 707

CE

USER'S MANUAL

LANCMAN® by GOMARK

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

The 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 707

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 707

Type: 707 C, 707 EL, 707 ELD, 707 C+EL

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

Person liable:

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.

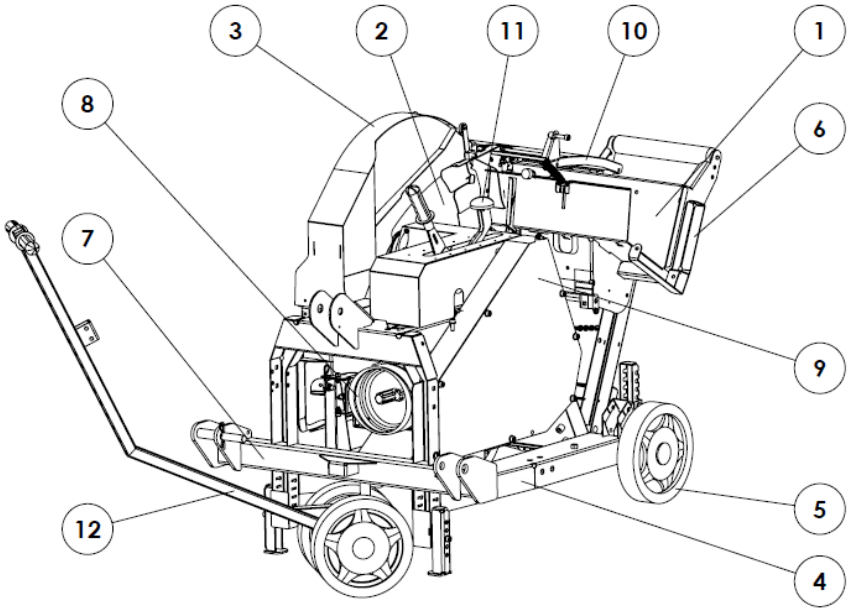
4. TECHNICAL INFORMATION AND DESCRIPTION OF THE MACHINE

4.1 Technical information on the machine

CIRCULAR SAW LANCMAN	707 C	707 ELD	707 EL 5.5 kW	707 EL 7.5 kW	707 C+EL
DIMENSIONS (HxWxL) - when folded up	1200×800×116	1200×800×116	1200×800×116	1200×800×116	1200×800×116
Tilting table:	700 mm	700 mm	700 mm	700 mm	700 mm
SUITABLE SAW BLADE (Ø)	700 mm/ axle 30 mm	700 mm/ axle 30 mm	700 mm/ axle 30 mm	700 mm/ axle 30 mm	700 mm/os 30 mm
RECOMMENDED THICKNESS OF THE SAW BLADE:	4,2/4,5 mm	4,2/4,5 mm	4,2/4,5 mm	4,2/4,5 mm	4,2/4,5 mm
REVOLUTIONS ON THE SAW BLADE:	1741 rpm at 350 rpm on the PTO shaft	1380-1450 rpm	1728 rpm	1728 rpm	1741/1728
Transmission ratio	1:4.98	1:1	1:1.28	1:1.28	1:4.98 1:1.28
Weight:	205 kg	185 kg	195 kg	200 kg	255 kg/262 kg
DRIVE					
Drive/connector category:	Tractor/category I/II	ELECTRICITY/ 5 POL/16 A	ELECTRICITY/ 5 POL/16 A	ELECTRICITY/ 5 POL/16 A	Tractor/category I/II + ELECTRICITY/ 5 POL/16 A
Energy use P1:	12 kW	5,5 kW	5,5 kW	7,5 kW	12 Kw/7,5 kW
Engine Power P2:	--	4,4 kW	4,4 kW	6,5 kW	--/6,5 kW
MAX revolutions:	400 Um.	1440 Um./Min	1440 Um./Min	1440 Um./Min	400 Um./1440 Um./Min
Art of working:	--	S6/40 %	S6/40 %	S6/40 %	
El. Switch:	--	400 V/16 Switch with brake	400 V/16 Switch with brake	400 V/16 Switch with brake	400 V/16 Switch with brake
Angle transmitter:	oil SAE 90 / 0,6 l	---	Oil SAE 90 / 0,6 l	oil SAE 90 /0,6 l	oil SAE 90 /0,6 l
Belt transmission/Belts	13×1.475	---	13×1.075	13×1.075	13x1.475 + 13x1.075
Data for operation / Cutting height					
Min. thickness of the wood:	Max 240 mm				
Max. thickness of the wood:	Max 290x230 mm				

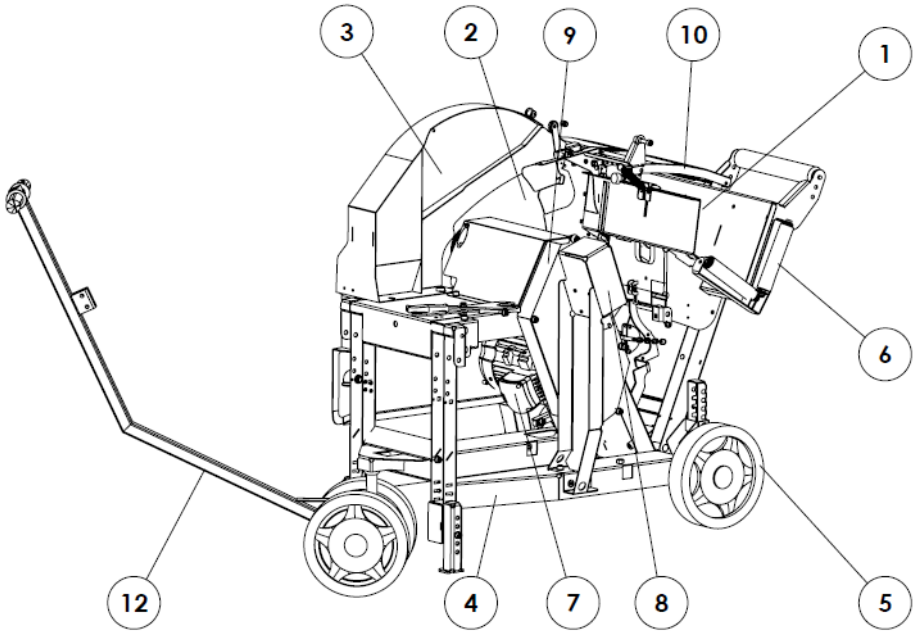
4.2 Description of the machine

LANCMAN 707 C/707 C+EL

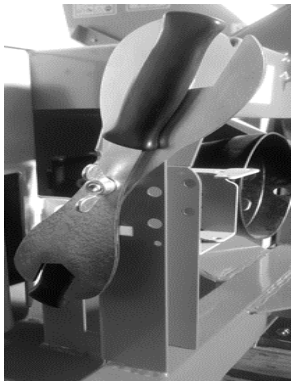


1- TILTING TABLE	**7- 3 POINT ATTACHMENT**
2- CIRCULAR BLADE	**8- PTO SHAFT**
3- SAW BLADE GUARD	**9- BELT COVER**
4- MAIN FRAME	**10- TILTING TABLE COVER**
5- TRANSPORT WHEELS	**11- BRAKE WITH CLUTCH**
6- TELESCOPIC LOG SUPPORT	**12- TRANSPORT LEVER**

LANCMAN 707 EL



1- TILTING TABLE	**7- ELECTRIC MOTOR**
2- CIRCULAR BLADE	**8- ELECTRIC SWITCH**
3- SAW BLADE GUARD	**9- BELT COVER**
4- MAIN FRAME	**10- TILTING TABLE COVER**
5- TRANSPORT WHEELS	**12- TRANSPORT LEVER**
6- TELESCOPIC LOG SUPPORT	



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).
CIRCULAR SAW LANCMAN 707 ELD:
Mounting key No. 48 and 19.
CIRCULAR SAW LANCMAN 707 EL, 707 C, 707 C+EL:
Mounting key No. 48 and 30.

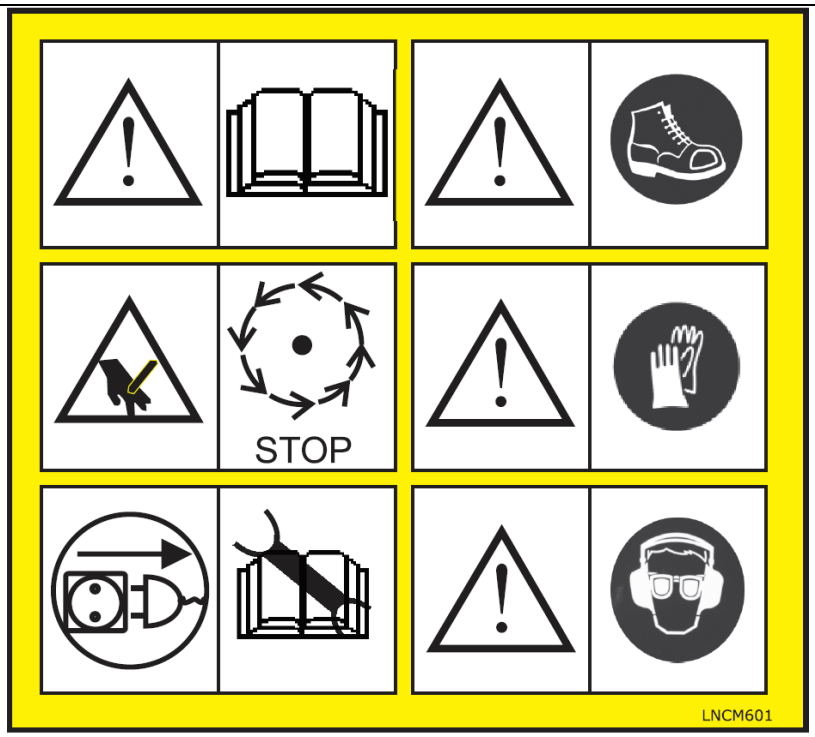
5. MARKING AND IDENTIFICATION

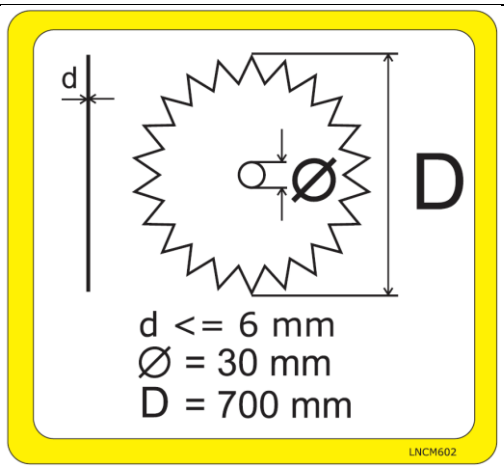
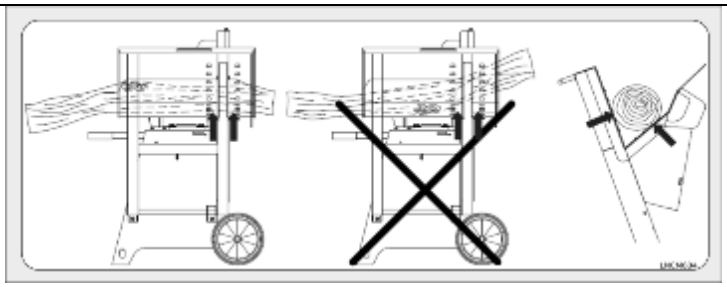
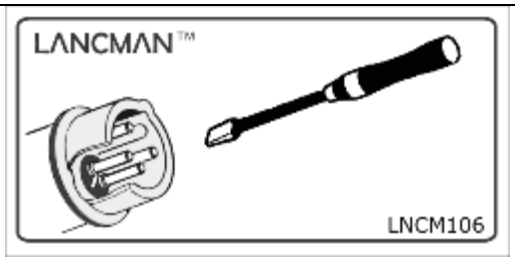
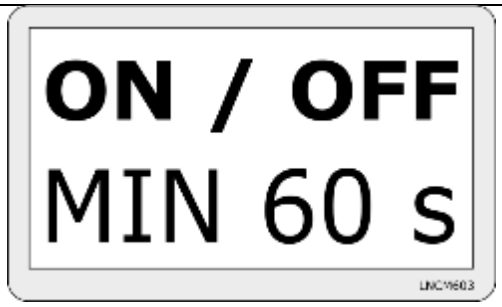
5.1 Picture with identification data on the machine and location of the plate



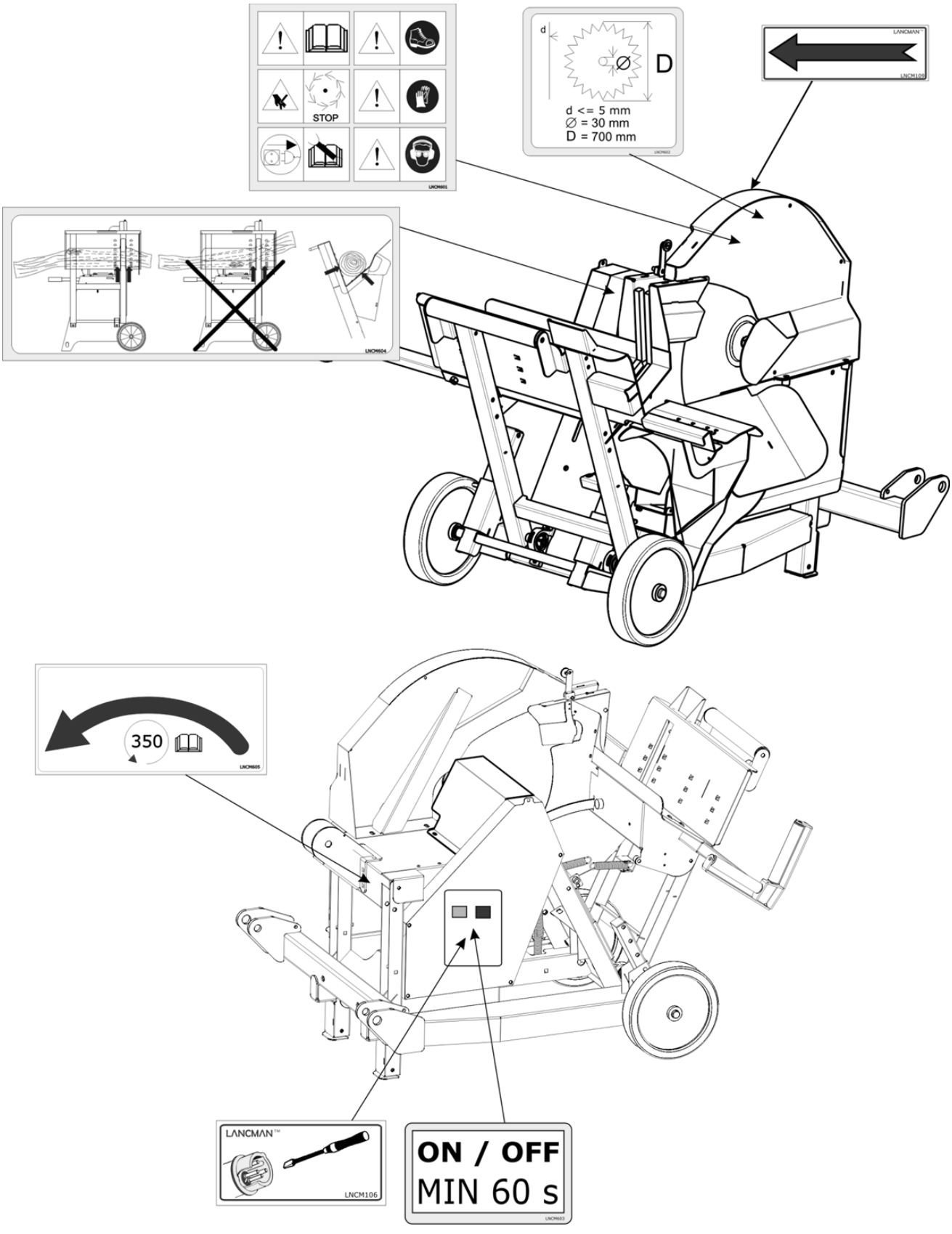
5.2 Warning signs-PICTOGRAMS

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**
LNCM621		**Mandatory rotation direction of the PTO axle.** **Max. 400 rpm on the PTO axle.** **When connecting the PTO shaft, make sure that the protective PTO cap covers the PTO joints.** **DANGER OF CAPTURE!** *** PLACED ON THE MODELS WITH A PTO DRIVE.**
LNCM109		**RIGHT ROTATION DIRECTION OF THE SAW BLADE!**

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**
LNCM604		**PROPER USE OF THE SAW OR HOW WOOD SHOULD BE PLACED ON THE WORKING TABLE.**
LNCM106		**SETTING THE DIRECTION OF THE MOTOR ON THE CIRCULAR SAW.** *** PLACED ON THE SAW WITH AN ELECTRO-ENGINE ONLY.**
LNCM603		**MINIMUM PAUSE AFTER THE ENGINE HAS STOPPED AND BEFORE YOU CAN TURN THE ENGINE ON AGAIN.** ***only for electric saw (models EL and ELD)**
LNCM606		**NOISE LEVEL**

Places, where are the pictograms positioned:



6. START, STOP

6.1 Tractor drive

Plug in the saw to a three-point connection of the tractor. The connection of the saw meets the category stated under the Technical data. Firstly plug in the saw to a three-point connection of the tractor.

⚠ **When approaching the tractor to the saw, please make sure no one is between the saw and the tractor. Risk of capture! In the area of the lifting of the hydraulic system of the tractor there is a danger of injuries in form of crushing and pressing. All pins should be secured by spring pins (everything included!).**

⚠ **The arms of the tractor hydraulics must be firmly attached so that the machine is tightly attached and does not sway. To ensure a safe stability, there must be at least 20% of the tractor weight together with the machine on the front tractor axle.**

⚠ **Make sure that the carrying capacity of the rear wheels is appropriate (check the technical data in the user's manual for the tractor).**

⚠ **Before you connect the machine to the tractor, please read the user's manual for the tractor.**

Plug in the PTO shaft and secure it with a safety chain. PTO shaft on the pump of the log splitter meets standards of the PTO shaft with 6 cogwheels.

⚠ **The PTO shaft must be CE-marked, properly protected and must have a chain to lock it. Carefully read the user manual for the PTO shaft and connect it as described by the manufacturer of the PTO shaft. Make sure that all protective equipment on the PTO shaft and a plastic cap (protection) on the splitter are covered at least 50 mm.**

⚠ **Make sure that the direction of rotation of the tractor PTO shaft is correct (picture)!**

⚠ **The PTO shaft shall not be too long! A too long PTO shaft may cause damage. A too long shaft may damage the angular transfer of the saw. In such case the warranty is voided.**

Connect the quick couplers.

Set the revolutions in the tractor to minimum.

Slowly turn on the tractor PTO shaft and the circular saw.

Set the desired rotational speed of the PTO shaft on the tractor.



⚠ **The maximum rotation speed of the PTO shaft: 400 rpm**

⚠ **The maximum rotation speed of the PTO shaft is an important piece of information. The speed should not be exceeded under any circumstances, because it may result in damage to the saw blade.**

Check the maximum number of revolutions on the saw blade. Never exceed the maximum number of revolutions!

⚠ **ATTENTION! When using the PTO drive, if the tractor has a drive brake on the PTO shaft, use a special PTO-shaft with free-wheel coupling! Otherwise, you can destroy the circular saw gearbox !**

The drive of the saw with operates only via the PTO shaft of the tractor in both models.

MACHINE IS USED WITH EMERGENCY STOP SYSTEM - CLUTCH WITH BRAKE. In case of emergency to stop the machine, you only have to press the RED button and the machine will stand still in max. 8 seconds!
To bring the machine back into action, push the lever back to the lever pocket.



System with clutch and brake is only standard on the Model 707 C, 707 C + EL.

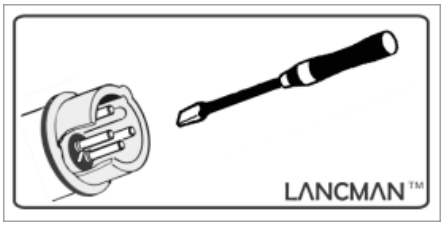
Attention! After the emergency stop, you have to switch off the drive in 30 seconds. With longer idling you can burn the belts.

6.2 Electric drive

The machine uses a three-phase 400 V.

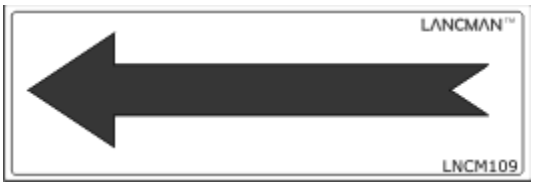
Therefore, before any new connection or change of location it is necessary to check the direction of rotation; if necessary, polarity should be changed (switch the combination: switch - plug - phase transmission).

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.

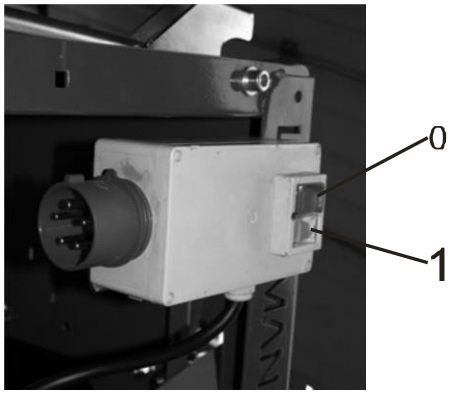
The circular saw is equipped with a heat relay which stops the engine if overheated.

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!

6.3 Combined drive C+EL

For a combined circular saw drive, it is necessary to know that when one of the drives is used, both drives rotate. This means that if you want to use the electric drive, the PTO shaft must be disconnected from the drive. The actuator is protected by an end switch in such a way that it prevents the actuator switch from being switched on the actuator when door is open - **SAFETY**!



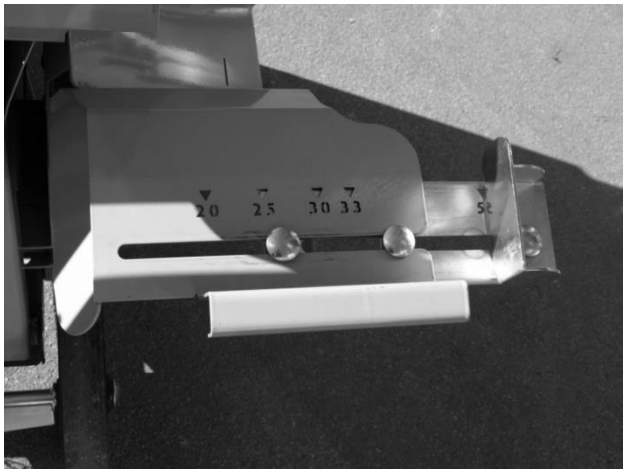


This prevents both drives from being used at the same time by costumer mistake.

6.4 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. PREPARATION OF THE CIRCULAR SAW

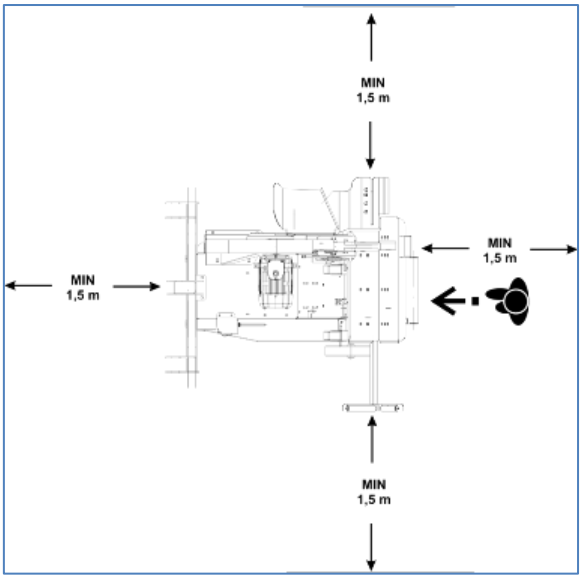
The saw with a conveyor belt is intended for use by one person at a time. The machine should never be used by two people at the same time! Failure to comply with the instructions for use or directions can lead to injuries and may even be fatal to the operator.

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 shall 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 saw-blade.

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. In order to do this, press the 0 key and pull out the plug (in case of an electric saw) or stop the tractor and disconnect the PTO shaft (PTO-driven saw)!



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 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 in order 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.



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



The cicular saw can only be used outdoors!

8. MAINTENANCE

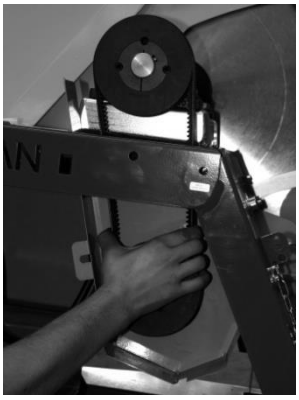
8.1 Brake with clutch

You have to try the brake periodically (2 months or 100 hours each - whichever comes first). First you have to run the saw and press the red EMERGENCY STOP button. Machine must stop in maximum 10 seconds. If so, you can continue using the machine. In the other case, you have to repair the clutch by servicing - replace!

8.2 Belt transmission



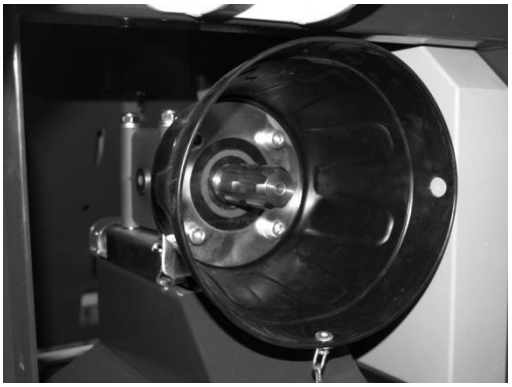
Every 100 hours lubricate the bearings of the main axis of the saw with grease.





Every 100 hours check the tension of the belt. Hold the belt with your hand. It should have less than 30 mm of play (+/- 15 mm from the primary axis). See image on the left.

8.3 Angle transmission of the PTO drive



Change oil after the first 50 working hours in the drive / angle transmission of the saw. Use oil SAE 90. Further oil changes should follow after 500 working hours or once every five years.

With time the oil loses its viscosity and lubrication is worse.

Used oil should be disposed of in the appropriate waste in a special landfill. Oil waste does not belong in municipal waste.

8.4 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!

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.

8.5 Other parts

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

8.6 Saw blade

The operator has to 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!**

8.7 Attaching the saw blade onto the spindle

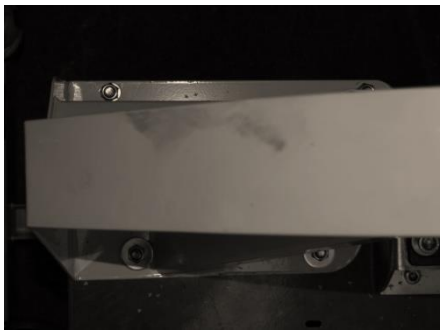
To attach the saw blade always use the original flange of the saw (as required by the manufacturer)!

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.

8.8 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.





Direkt drive (ELD)

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)!

Belt transmission (EL, C+EL)

Wrenches no. 48 and 30 are enclosed. Take wrench no. 48 and fix the nut on the flange (thereby fixing the saw blade), then take key no. 30 to unscrew the nut, which is embedded in the axle of the drive of the saw blade. 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

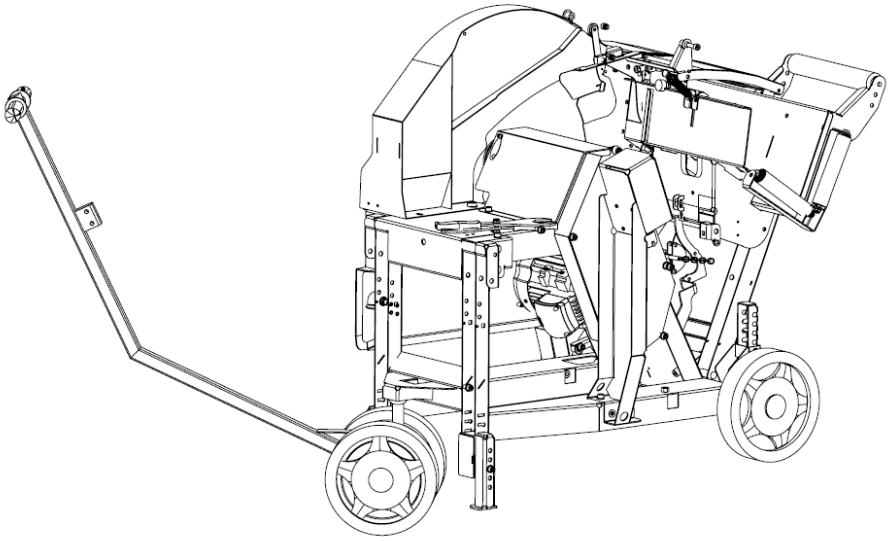
Put the circular saw on the chosen place. Circular saw with the PTO, can be moved also with the tractor.



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.



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



10. TROUBLESHOOTING

What could be the reason, if

... electric motor does not start?	Electric supply is not wired correct. 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 it 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. 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

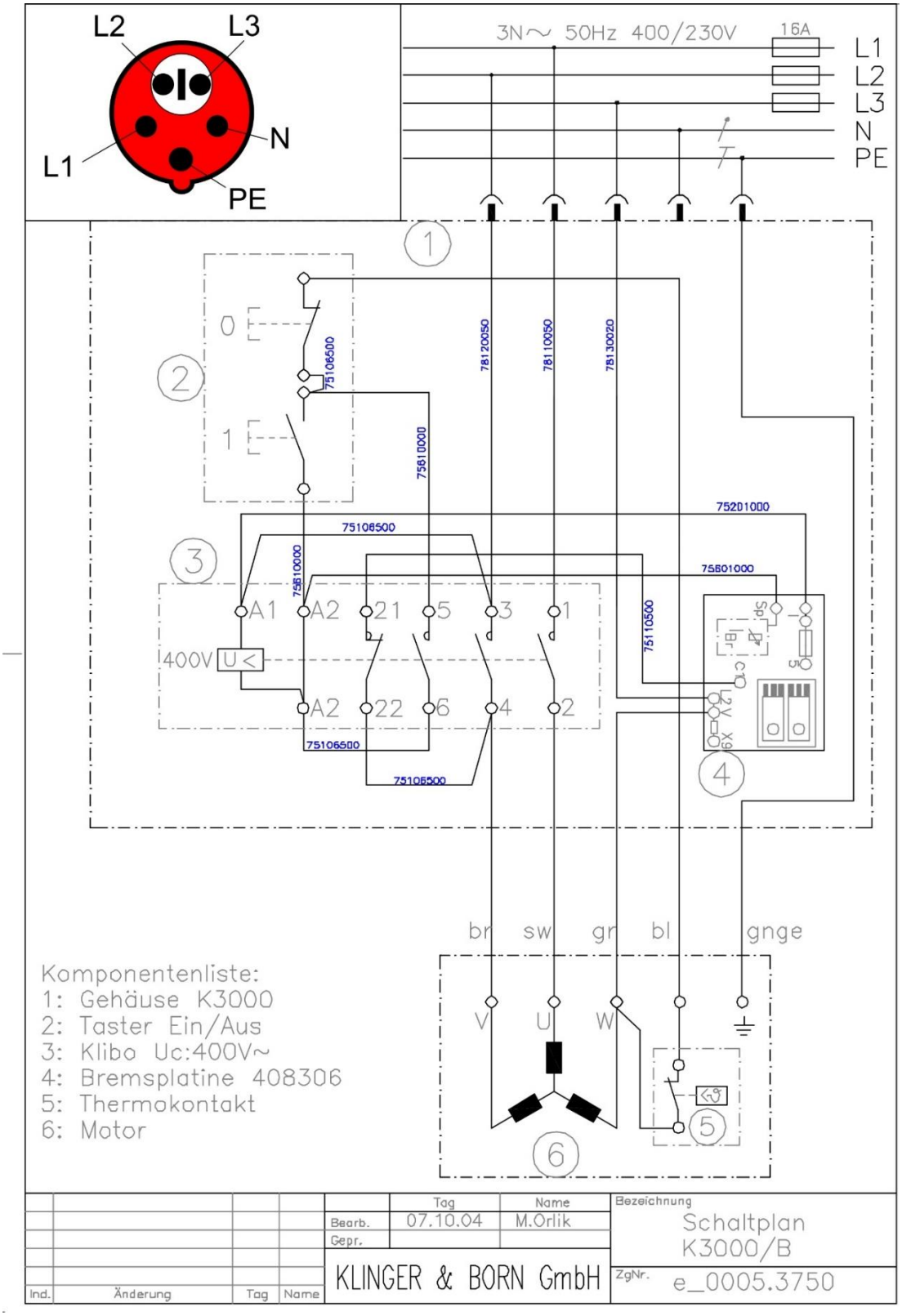
The consumables parts of the circular saw include:

- Aluminium blocks in the seesaw of the saw,
- V-belts,
- Wear and damage of circular saw blade.

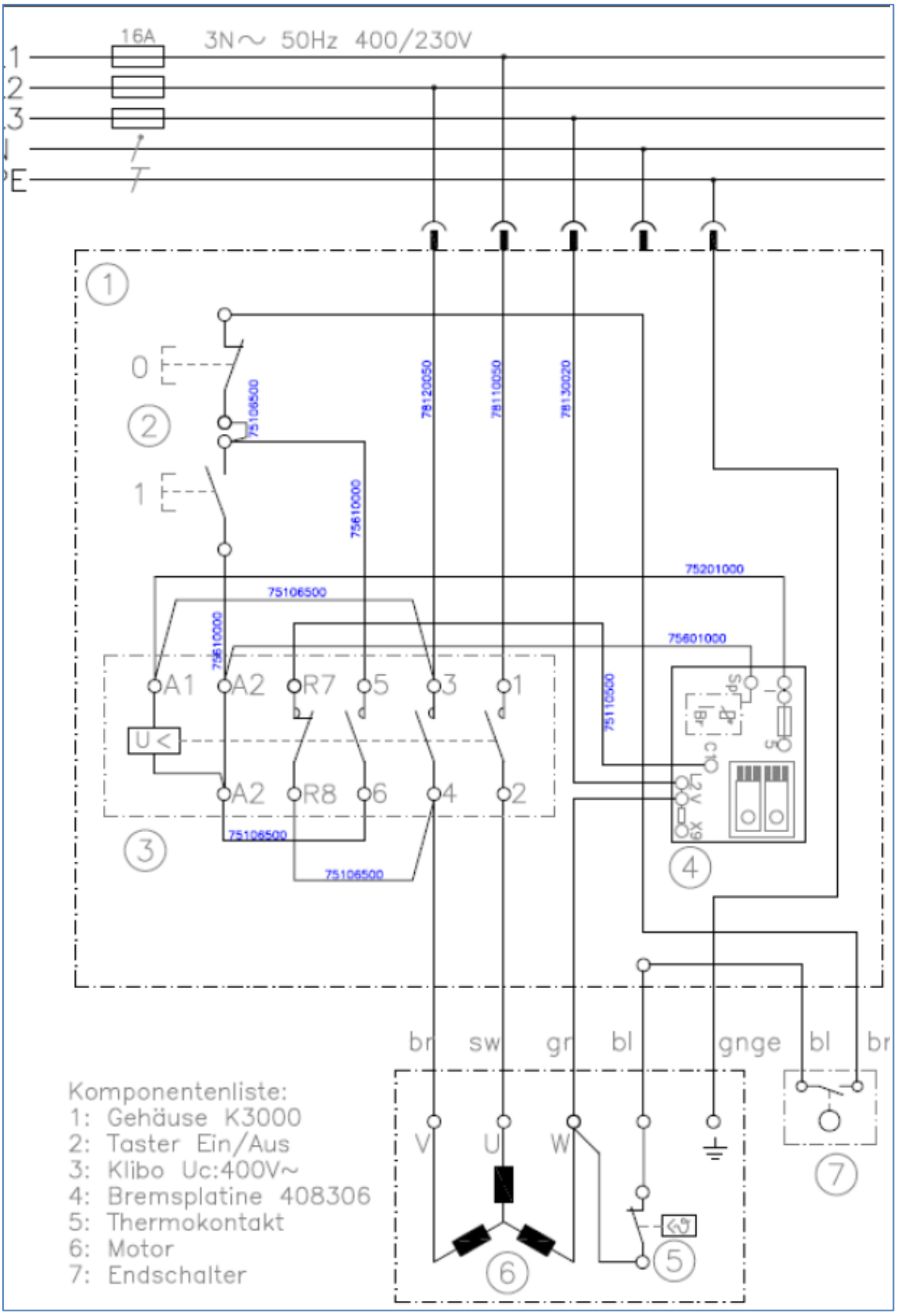
Consumables and wearing parts are excluded from the complaint.

12. ELECTRICAL SCHEME

Electrical scheme for LANCMAN 707 EL

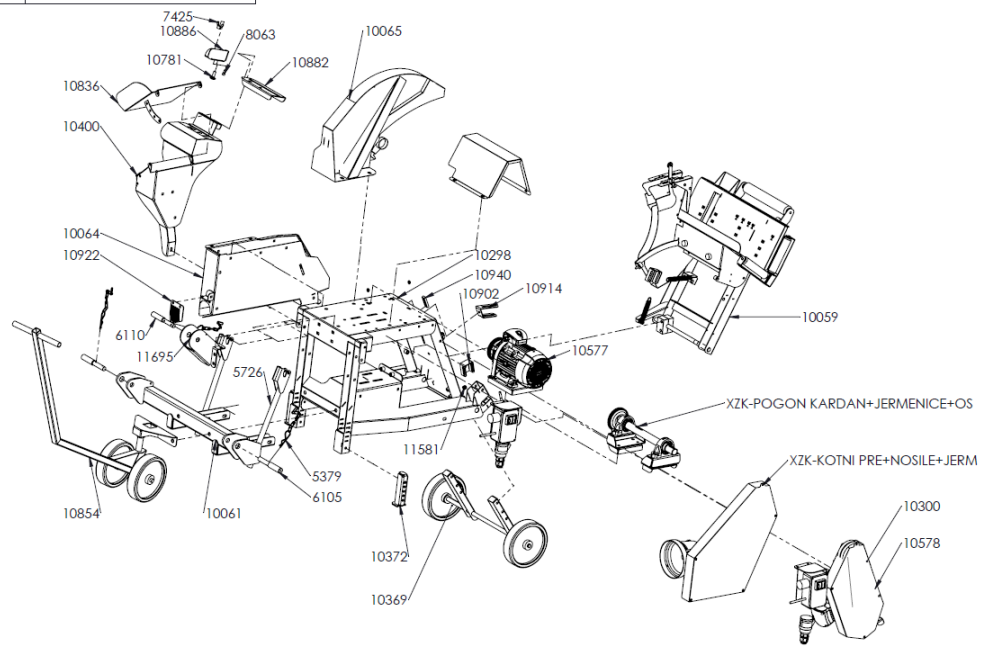


Electric scheme for LANCMAN 707 C+EL



13. PARTS OF THE CIRCULAR SAW

TIP: ŽAGA KROŽNA LANCMAN 700



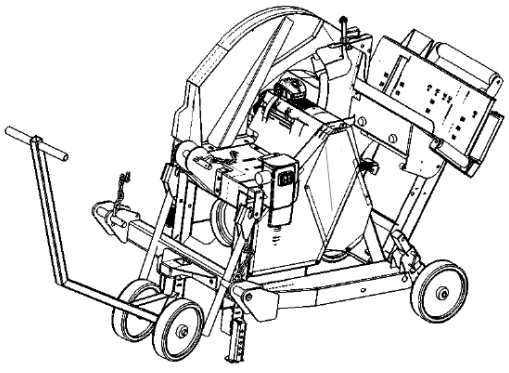
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DATUM: 17.1.2015 STRAN: 2 OD 10

TIP:

ŽAGA KROŽNA LANCMAN 700

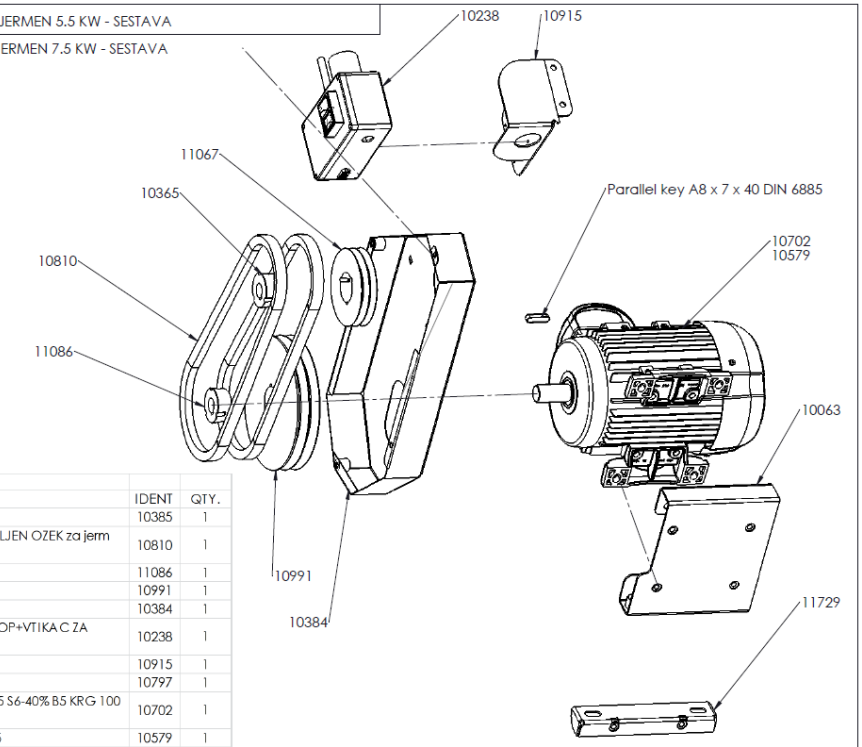
ITEM NO.	PART NUMBER	IDENT	QTY.
1	MATICA KRILATA M12 DIN 315	7425	1
2	XZK-PLOŠCA ZA ID OMEJEVALEC 3mm	10886	1
3	VIJAK IMBUS ZATICNI M8X16 ZN DIN 914	8063	1
4	VIJAK POLKROŽNI S 4KOT ZATIKOM M12×35 DIN 603 ZN 4.6	10781	1
5	XZK-PODALJSEK PZID MER 3mm	10882	1
6	XZK-ZGORNJI DEL ZAŠCITE LISTA KROŽNE ŽAGE LANCMAN - BARVANO	10065	1
7	XZK-PLOŠCA ZA ID MON. SESTAVA 2 RAL7004	10836	1
8	XZK-MERILNI DEL PREVISNE MIZE KROŽNE ŽAGE VARJEN	10400	1
9	XZK-ZAŠCITA ZA JP 1mm	10376	1
10	XZK-SPODNJI DEL ZAŠCITE LKŽL VARJENO s trakom	10064	1
11	XZK-ZASCITA ZA IZ.2 3mm	10922	1
12	XZK-POVEZAVA ZA ZG. RM 5mm VARJENA IN POBARVANA	11695	1
13	VZVOD ZA TRANSPORT KROŽNE ŽAGE LANCMAN PODPORNO GUMI KOLO	10854	1
14	XC10SL-VZVOD ZA TRANSPORT	5726	2
15	XZKPN-3T SPODNJI DEL PRIKLOP KŽ LANCMAN - BARVAN	10061	2
16	XZK-NOGICA PODVOZJA ZA ŽAGO	10372	2
17	XZK-ŽAGA PODVOZJE S KOLESOM - SESTAVA	10369	1
18	XZK-ŽAGA POGON ELEKTRO JERMEN 7.5 KW - SESTAVA	10578	1
19	XZK-KOTNI PRE+NISILE+JERM		1
20	XZK-POGON KARDAN+JERMENICE+OS		1
21	XZK-PREVISNA MIZA KROŽNE ŽAGE LANCMAN - BARVANA	10059	1
22	XZK-ŽAGA POGON ELEKTRO DIREKT - SESTAVA	10577	1
23	XZK-NOSILCEK V.3mm	10914	1
24	XZK-SEDIŠCE VZMETI KOTERM	11581	1
25	XZKDM-NOSILEC NAP. VZMETI 3mm	10902	1
26	XZK-ŽAGA OGRODJE - SESTAVA	10298	1
27	SORNIK ZA TRAK PRILKJUCEK 25×19×180	6110	1
28	SORNIK ZA TRAK.PRIKLJUCEK 28×22×180	6105	2
29	R ZATIK 4MM	5379	3



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DATUM: 17.1.2015 STRAN: 3 OD 10

TIP:	Ident: 10300; XZK-ŽAGA POGON ELEKTRO JERMEN 5.5 KW - SESTAVA Ident: 10578; XZK-ŽAGA POGON ELEKTRO JERMEN 7.5 KW - SESTAVA



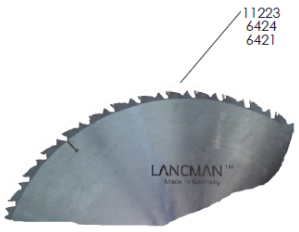
XZK-POGON EL. MOTOR JERM PRENOS

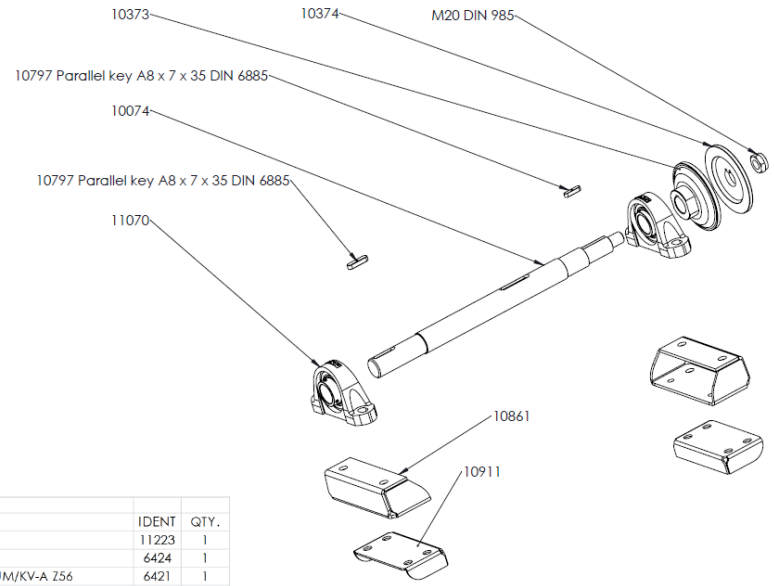
ITEM NO.	PART NUMBER	IDENT	QTY.
1	XZK-ZAŠCITA ZA JER del.6 1mm	10385	1
2	XZK-JERMEN KLINASTI 13×1100 SPODAJ OZOBLJEN OZEK za jerm prenos 160/125	10810	1
3	XZK-PUŠA TL 2012/28	11086	1
4	XZK-JERMENICA DVOJNA SPA 160-02 / 2012	10991	1
5	XZK-ZAŠCITA ZA JER del.5 1mm	10384	1
6	STIKALO EL. 400V/5.5kW/10.5 A ZAŠCITA+IZKLOP+VTIKAC ZA ŽAGO LANCMAN	10238	1
7	XZK-NOSILEC S P.3mm	10915	1
8	MOZNIK 8×7×32 FORM A DIN 6885 Ck 45	10797	1
9	ELEKTROMOTOR 5.5 kW/400V/1350 OBR. B3/B5 S6-40% B5 KRG 100 L2-4	10702	1
10	ELEKTROMOTOR 7.5 KW/400V /S6-40%/B3/IP55	10579	1
11	XZK-NOSILEC Z NAPENJALCEM MOTORJA ZA KROŽNO ŽAGO - CINKAN	10063	2
12	XZK-PLOSICA OJ. ZA VIJ. POG. sestava	11729	2
13	XZK-JERMENICA DVOJNA SPA 125-02 / 1610	11067	1
14	XZK-PUŠA TL 1610/35	10365	1

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DATUM: 17.1.2015	STRAN: 4 OD 10

TIP:	XZK-POGON KARDAN+JERMENICE+OS





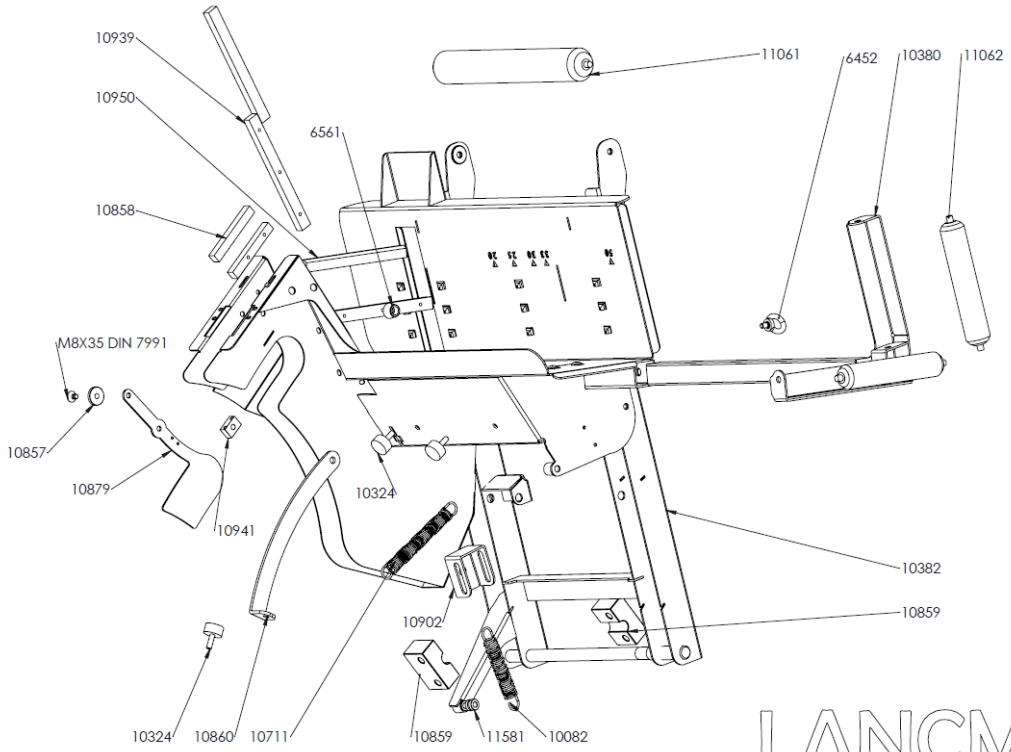
XZK-POGON KARDAN+JERMENICE+OS

ITEM NO.	PART NUMBER	IDENT	QTY.
1	LIST ŽAGNI FI 700/30/VIDIA/HM-SWZ/Z-84	11223	1
2	LIST ŽAGNI FI 700/30/VIDIA/HM-LFZ/Z-42	6424	1
3	LIST ŽAGNI FI 700/30/×3.2/KROM-VANADIUM/KV-A Z56	6421	1
4	MATICA ZN M20 SAMOVAROVALNA DIN 985	8493	1
5	XZK-PRIROBNICA KOV125 DEL2	10374	1
6	XZK-PRIROBNICA KOV 125 DEL1	10373	1
7	MOZNIK 8×7×32 FORM A DIN 6885 Ck 45	10797	1
8	XZK-OS ZA JKP V2	10074	1
9	MOZNIK 8×7×32 FORM A DIN 6885 Ck 45	10797	1
10	LEŽAJ Z OHIŠJEM UCP 207 JIB	11070	2
11	XZK-NOSILEC LEZAJA 5mm	10861	2
12	XZK-OJACITEV LEZAJA 3mm	10911	2

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DATUM: 17.1.2015	STRAN: 5 OD 10

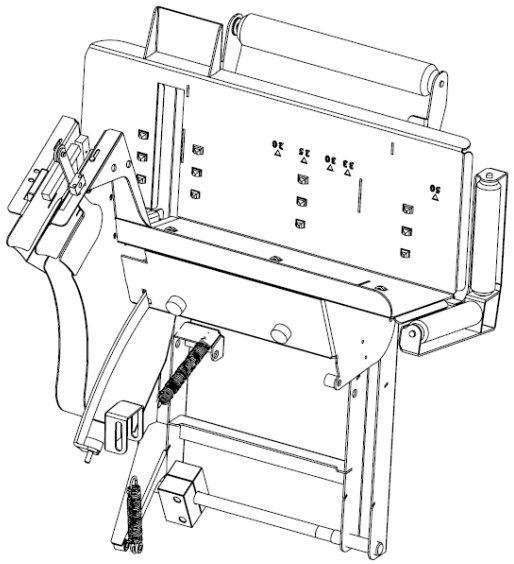
TIP: XZKDM-PREVISNA MIZA



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DATUM: 17.1.2015 | STRAN: 6 OD 10

TIP: XZKDM-PREVISNA MIZA



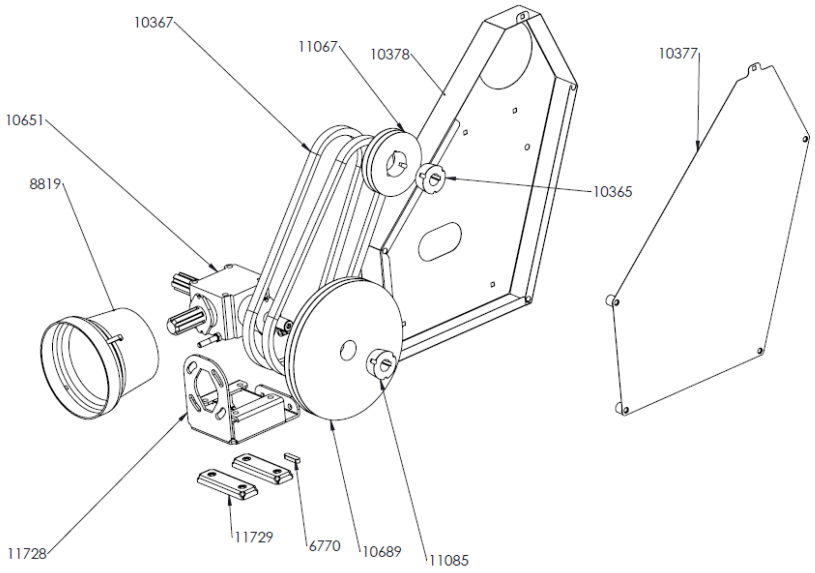
XZKDM-PREVISNA MIZA

ITEM NO.	PART NUMBER	IDENT	QTY.
1	XZKDM-VODILO ALUMINIJ	10939	3
2	XZKDM-VODILO ALUMINIJ posnetje	10950	1
3	XZKDM-VODILO ALUMINIJ KRATKO	10858	2
4	VIJAK IMBUS ZN M8X35 DIN 7991 VGREZ.GLAVA	9719	1
5	XZKDM-PODLOZKA DRSNA PLASTIKA	10857	1
6	XZK-ZASCITA POKRIVALO OD M 3mm	10879	1
7	XZKDM-LEŽAJNA ENOTA	10941	1
8	GUMI BLAŽILEC 30×15 MM/ENOSTRANSKI NAVOJ M8×25	10324	1
9	XZK-TRAK OMEJEVALEC 5mm	10860	1
10	XZK-VZMET NATEZNA 3x23×152,26x ZN	10711	2
11	GUMI BLAŽILEC 30×15 MM/ENOSTRANSKI NAVOJ M8×25	10324	2
12	XZKDM-NOSILEC NAP. VZMETI 3mm	10902	1
13	XZK-LEŽAJNA ENOTA DEL2	10859	2
14	XZK-SEDIŠCE VZMETI KOTERM	11581	4
15	XZK-VZMET NATEZNA 3×23×113,5 ZN	10082	1
16	XZK-LEŽAJNA ENOTA DEL2	10859	2
17	XZKDM-PREVISNA MIZA VARJENA	10382	1
18	XZK-VALJCEK ZA DDM v 2	11062	2
19	XZK-IZVLECENA PODPORA PREV.MIZE ZA POLENO - CINKANO	10380	1
20	VIJAK OBROCNI ZN M12 DIN 580 ART	6452	1
21	XZK-VALJCEK ZA POTISK DM v2	11061	1

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DATUM: 17.1.2015 | STRAN: 7 OD 10

TIP: XZK-KOTNI PRE+NOSILE+JERM11

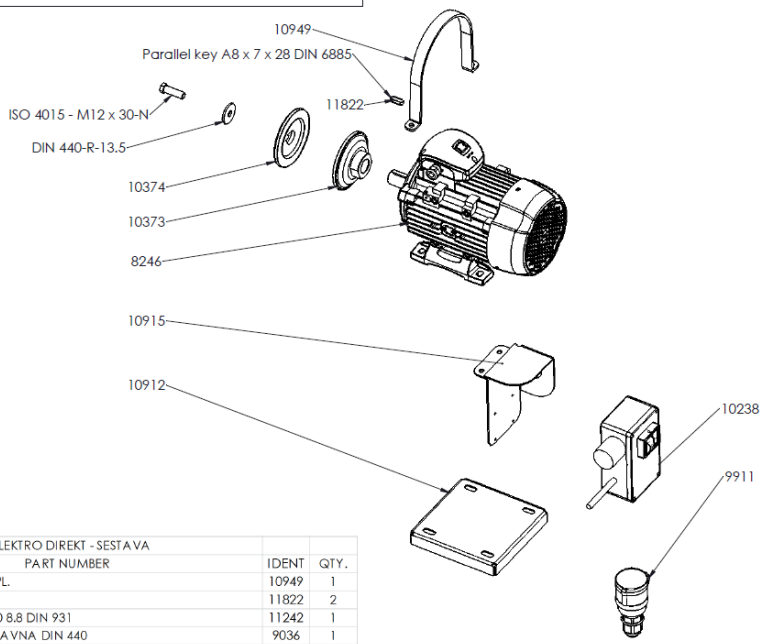


ITEM NO.	XZK-KOTNI PRE+NOSILE+JERM PART NUMBER	IDENT	QTY.
1	XZK-PUŠA TL 2517/22	11085	1
2	XZK-JERMENICA DVOJNA SPA 280-02 /2517	10689	1
3	MOZNIK 6×6×25 FORM A DIN 6885 CK45K	6770	1
4	XZK-PLOSICA OJ. ZA VIJ. POG. sestava	11729	1
5	XZK-NAPENJALEC KP V1 sestava	11728	1
6	KARDANSKA KAPA 76/201 - OVALNA	8819	1
7	RKŽ-Multiplikator kotni1:2.78 za KŽ	10651	2
8	XZK-JERMEN AVX 13×1425 La	10367	2
9	XZK-JERMENICA DVOJNA SPA 125-02 / 1610	11067	1
10	XZK-PUŠA TL 1610/35	10365	1
11	XZK-ZAŠCITA ZA JER del.2 1mm	10378	1
12	XZK-ZAŠCITA ZA JER. 1mm	10377	1

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DATUM: 17.1.2015 | STRAN: 8 OD 10

TIP: XZK-ZAGA POGON ELEKTRO DIREKT - SESTAVA 10577



ITEM NO.	10577 XZK-ŽAGA POGON ELEKTRO DIREKT - SESTAVA PART NUMBER	IDENT	QTY.
1	XZK-TRAK VAR. MO. PL.	10949	1
2	#N/V	11822	2
3	VIJAK 6KT ZN M12×30 8.8 DIN 931	11242	1
4	PODLOŽKA ZN M12 RAVNA DIN 440	9036	1
5	XZK-PRIROBNICA KOV125 DEL2	10374	2
6	XZK-PRIROBNICA KOV 125 DEL1	10373	2
7	ELEKTROMOTOR 5.5 kW/400V/1350 OBR. B3/B5 S6-40% B5	8246	1
8	XZK-NOSILEC S P.3mm	10915	1
9	XZK-OJACITE MEL. 3mm	10912	1
10	STIKALO EL. 400V/5.5kW/10.5 A ZAŠCITA+IZKLOP+VTIKAC ZA ŽAGO LANCMAN	10238	1
11	Vtikac 16A 5-pol	9911	1

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DATUM: 17.1.2015 | STRAN: 9 OD 10

GARANCIJSKI LIST • JAMSTVENI LIST • GARANTNI LIST CERTIFICATE OF GUARANTEE • GARANTIESCHEIN • CERTIFICATO DI GARANZIA • ZÁRUČNÝ LIST • ZÁRUČNÍ LIST • JÓTÁLLÁSI JEGY • GARANTIE • CERTIFICADO DE GARANTÍA • CERTIFICATE OF WARRANTY • CERTIFICAT DE GARANTIE

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

LANCNI

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