ID: 19511

ENG

LOG SPLITTER LANCMAN
typ: SLX10

V: 2.0

LANCMAN SLX10



LANCMAN SLX10
MOBIL



USER'S MANUAL

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. Therefore 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 SAFE USE, MAINTENANCE
AND PERFORMING AN INSPECTION OF THE MACHINE.

KAZALO VSEBINE

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EN

DECLARATION OF CONFORMITY

CE

EC DECLARATION OF CONFORMITY OF THE MACHINE NO. 01./SLX10

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.

LOG SPLITTER LANCMAN™
type: SLX10, SLX10 MOBIL
Serial number, year of production: on the declaration plate

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

EC-DIRECTIVE	HARMONISED EUROPEAN STANDARDS
EC-MACHINE-DIRECTIVE 2006/42/EC	EN 609-1:2017– safety of the log splitters
EC-LOW-VOLTAGE-DIRECTIVE 2006/95/EC	
EC-ELECTROMAGNETIC COMPATIBILITY 2004/108/EC	

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 criminal act.

2. INTENDED USE

The machine LOG SPLITTER LANCMAN is intended for splitting logs of various lengths and thicknesses. The blade is hydraulically operated. The hydraulic system can be driven by a tractor PTO shaft or by primary tractor hydraulics.
The log splitter has a two-handle safety switch. Simultaneously pressing both the levers makes blade move down. When the levers are released, the blade stops and pushing the levers up returns the blade to its original position. The splitter stands on two legs on a three-point system on the lower plate under the blade. During the operation the blade moves down towards the log and splits it.

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

 Any remodelling and replacement of the original components of the log splitter 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 SPARE PARTS

Servicing and elimination of defects within the warranty period and afterwards will be performed by:
THE DILLER OR AUTHORIZED SERVICE.

When problems to find authorized service, please turn into the producer:

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

When ordering spare parts, it always indicates 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 is written on the plate or. permanent label on the machine.

4. TECHNICAL DATA AND DESCRIPTION OF THE MACHINE

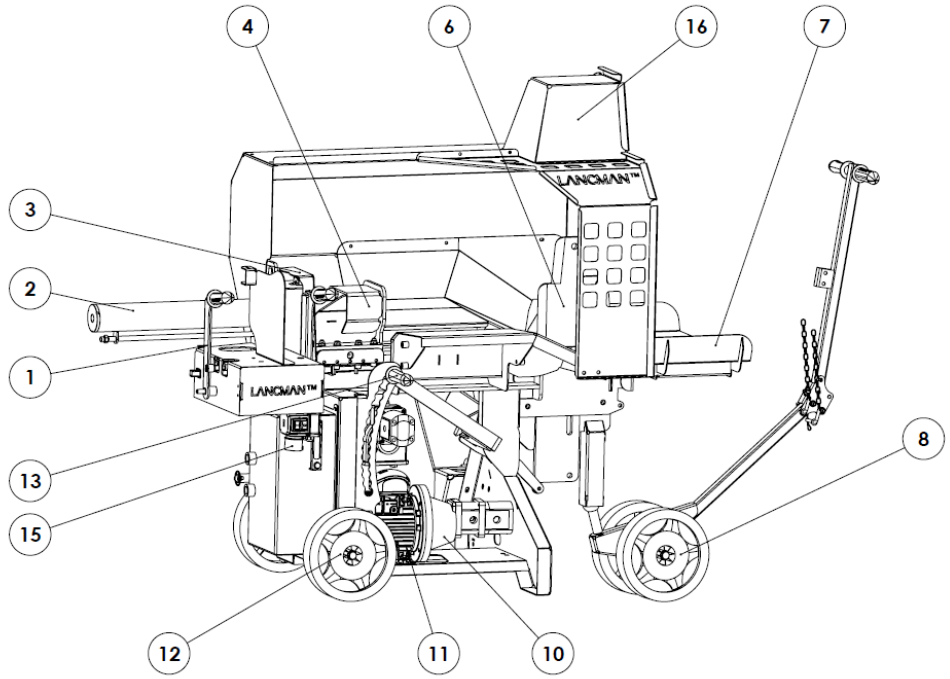
The splitter is designed to facilitate the splitting of logs by using tractor power – charging is transferred via the PTO shaft of the tractor to the splitter. The pump of the splitter drives the oil, directed by a regulator. The regulator then leads via the on/off power system to the hydraulics of the cylinder, which presses with its power the blade that splits logs.

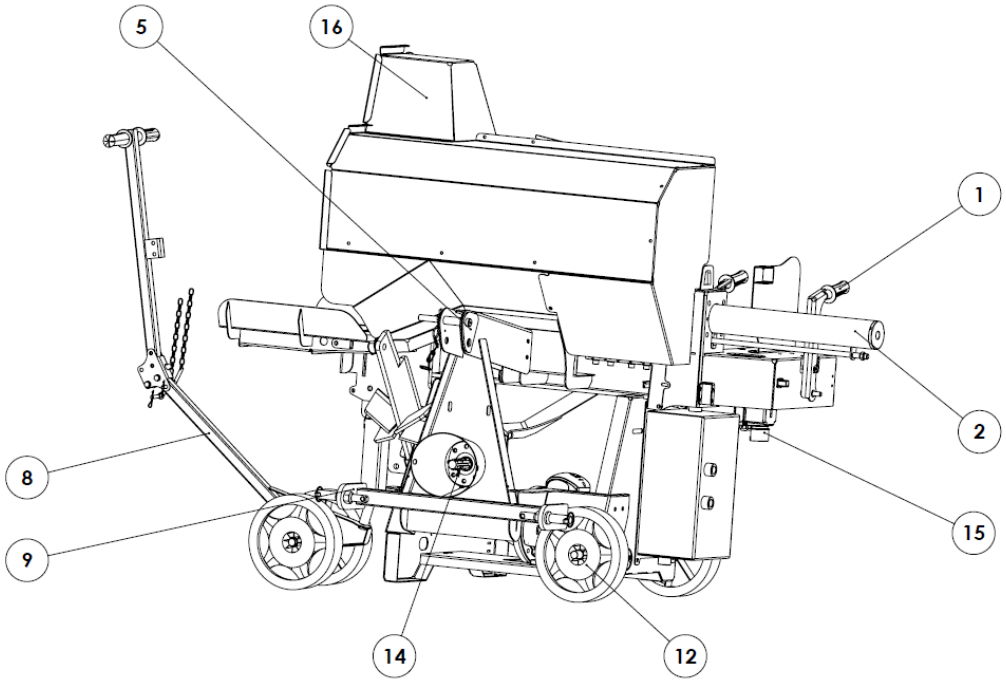
4.1. Technical information LANCMAN SLX10

TYPE	SLX10 T	SLX10 C	SLX10 EL 4Kw/400 v XTRMSPEED	SLX10 EL 2.2kW/ 230V	SLX10 EL 5.5kW/400 V XTRMSPEED	SLX10 C+EL 4kW/ 400V	SLX10 C+EL 5.5kW/ 400V	SLX10 BRIGGS 6.5 KS
POWER OF THE LOG SPLITTER:	100 kN (240 bar), max 25 l/min	100 kN						
DIMENSIONS (HxWxL)-when folded up	1.650×860×1.620							
DIMENSIONS (HxWxL)- in the operating system	1.650×860×2.200							
WEIGHT	308 kg	340 kg	330 kg	330 kg	330 kg	355 kg	355 kg	340 kg
TRACTOR POWER REQUIRED	25 L/MIN/ 250 bar	17.4 kW	-			17.4 kW		-
SUITABLE PROP. SHAFT	-	1 ¾ - Z6	-			1 ¾ - Z6		-
CONNECTION CATEGORY	I, II	I,II	-			I,II		-
ELECTRICAL DRIVE	-	-	4 kW, 400V, 50Hz	2.2 kW 230V, 50 Hz	5.5 kW, 400V, 50Hz	4 kW, 400V, 50Hz	5.5 kW, 400V, 50Hz	-
POWER DRIVE	-	-	400 V, 16 A	230 V,	400 V, 16 A	400 V, 16 A	400 V, 16 A	-
MAX. TURNS ON THE SHAFT	-	540 RPM	-			540 RPM		-
CYLINDER STROKE	53 cm							
BLADE SHIFT SPEED I (cm/s)	-	15,5 cm/s	2,4 cm/s	1 cm/s	5,4 cm/s	15,5 cm/s 2,4 cm/s	15,5 cm/s 5,4 cm/s	2 cm/s
BLADE SHIFT SPEED II (cm/s)	-	27,8 cm/s	18 cm/s	8,7 cm/s	28,2 cm/s	27,8 cm/s 18 cm/s	27,8 cm/s 28,2 cm/s	19 cm/s
RETURN STROKE (cm/s)	-	35 cm/s	22,7 cm/s	11 cm/s	35,6 cm/s	35 cm/s 22,7 cm/s	35 cm/s 35,6 cm/s	23,9 cm/s
MAX. PRESSURE	250 bar							
MAX. LOG LENGHT	MINIMUM 25 cm, MAXIMUM 53 cm							
MAX. LOG THICKNESS	45 cm							
MIN. LOG THICKNESS	8 cm							
HYDRAULIC OIL	-	18 l / HVLP 32, DIN 51524/3						
GEARBOX OIL	-	0,25 l / W90	-			0,25 l / W90		-
OPERATING VIBRATION	NONE							
GASOLINE ENGINE OIL								SAE 5W30 / 0,4 L
GASOLINE/VOLUME								EURO SUPER 95/3.3 l
NOISE LEVEL	< 70 dB							85 dB

We reserve the right to deviate from this data by +/- 3%!

4.2 DESCRIPTION OF LANCMAN SLX 10





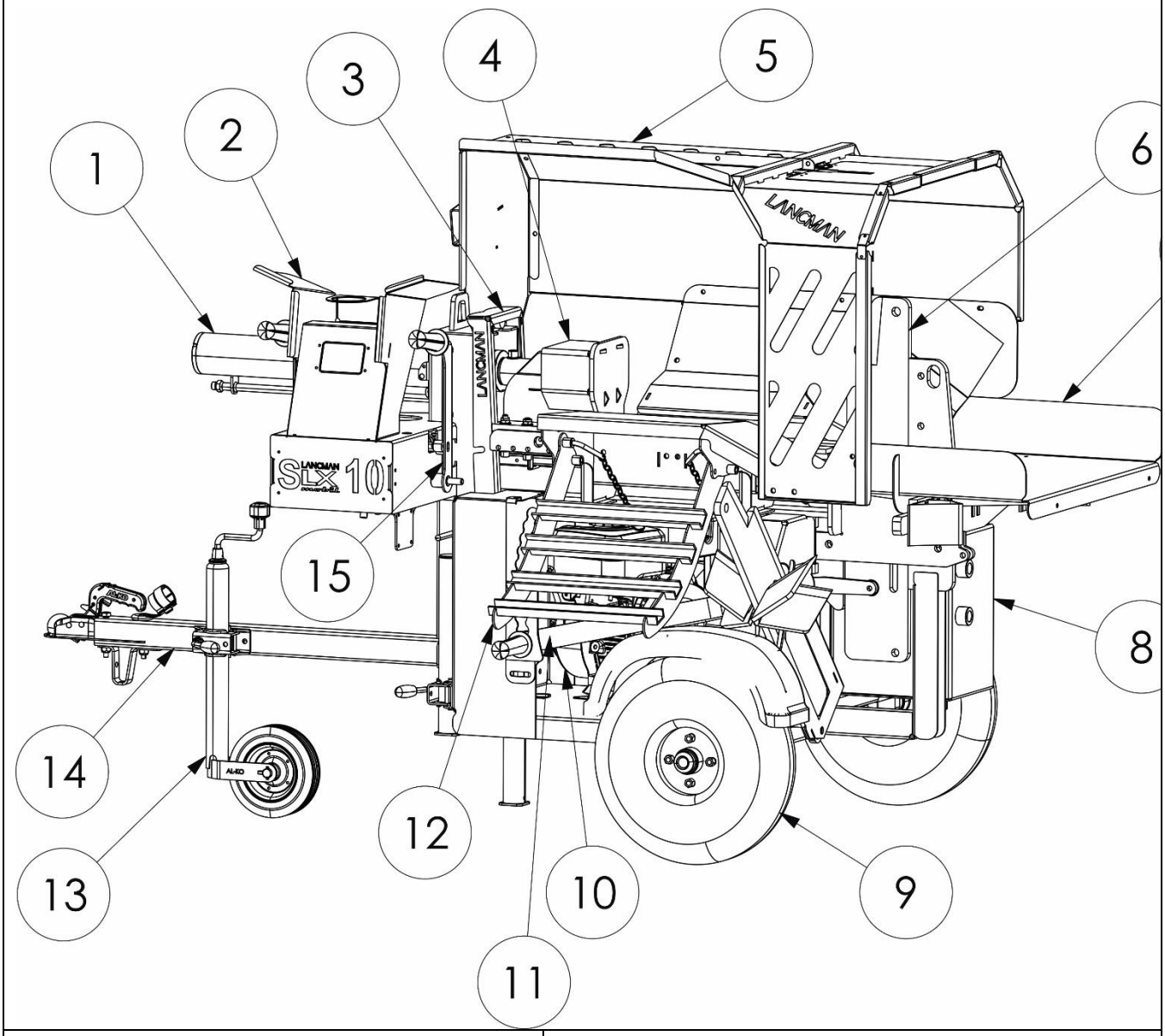
1. ACTIVATION LEVERS 2. HYDRAULIC CYLINDER 3. FRAME OF THE LOG SPLITTER 4. POTISNA PLOŠČA CILINDRA 5. 3T SISTEM UP 6. SPLITTING BLADE 7. EJECTION TABLE 8. LEVER FOR MANUAL TRANSPORT OF THE LOG SPLITTER	9. 3T SISTEM UNDER 10. HYDRAULIC PUMP (ELECTRICAL MODEL) 11. ELECTROMOTOR (ELECTRICAL MODEL) 12. WHEELS FOR MANUAL TRANSPORT OF THE LOG SPLITTER 13. LEVER FOR BLADE ADJUSTMENT 14. PUMP AND GEARBOX OF THE LOG PLITTER 15. POWER ON/OFF SWITCH FOR LOG SPLITTER 16. WORK PROTECTOR COVER

4.3 Technical information LANCMAN SLX 10 MOBIL

TYPE	SLX 10 T	SLX10 C	SLX10 EL 4Kw/400 v XTRMSPEED	SLX10 EL 2.2kW/ 230V	SLX10 EL 5.5kW/400V XTRMSPEED	SLX10 BRIGGS 6.5 KS
POWER OF THE LOG SPLITTER:	100 kN (240 bar), max 25 l/min	100 kN				
DIMENSIONS (HxWxL)-when folded up	1.650×860×1.620					
DIMENSIONS (HxWxL)- in the operating system	1.650×860×2.200					
WEIGHT	308 kg	340 kg	330 kg	330 kg	330 kg	340 kg
TRACTOR POWER REQUIRED	25 L/MIN/ 250 bar	17.4 kW	-			-
SUITABLE PROP. SHAFT	-	1 ¾ - Z6	-			-
CONNECTION CATEGORY	-	-	4 kW, 400V, 50Hz	2.2 kW 230V, 50 Hz	5.5 kW, 400V, 50Hz	-
ELECTRICAL DRIVE	-	-	400 V, 16 A	230 V,	400 V, 16 A	-
MAX. TURNS ON THE SHAFT	-	540 G/min	-			
MAX TURNS ENGINE	-	-	1400	2800	1400	3600
CYLINDER STROKE	53 cm					
BLADE SHIFT SPEED I (cm/s)	-	15,5 cm/s	2,4 cm/s	1 cm/s	5,4 cm/s	2 cm/s
BLADE SHIFT SPEED II (cm/s)	-	27,8 cm/s	18 cm/s	8,7 cm/s	28,2 cm/s	19 cm/s
RETURN STROKE (cm/s)	-	35 cm/s	22,7 cm/s	11 cm/s	35,6 cm/s	23,9 cm/s
MAX. PRESSURE	250 bar					
MAX. LOG LENGHT	MINIMUM 25 cm, MAXIMUM 53 cm					
MAX. LOG THICKNESS	45 cm					
MIN. LOG THICKNESS	8 cm					
HYDRAULIC OIL	-	18 l / HVLP 32, DIN 51524/3				
GEARBOX OIL	-	0,25 l / W90	-			
OPERATING VIBRATION	BREZ					
GASOLINE ENGINE OIL						SAE 5W30 / 0,4 L
GASOLINE/VOLUME						EURO SUPER 95/3.3 l
NOISE LEVEL	< 70 dB					85 dB
MAX. TRAILER SPEED	25 km/h					
TYRES SIZE	4.80×4.00×8 4PR					
TOW EYE PRESSURE:	50 kg					

We reserve the right to deviate from this data by +/- 3%!

4.4 DESCRIPTION OF LANCMAN SLX 10 MOBILE

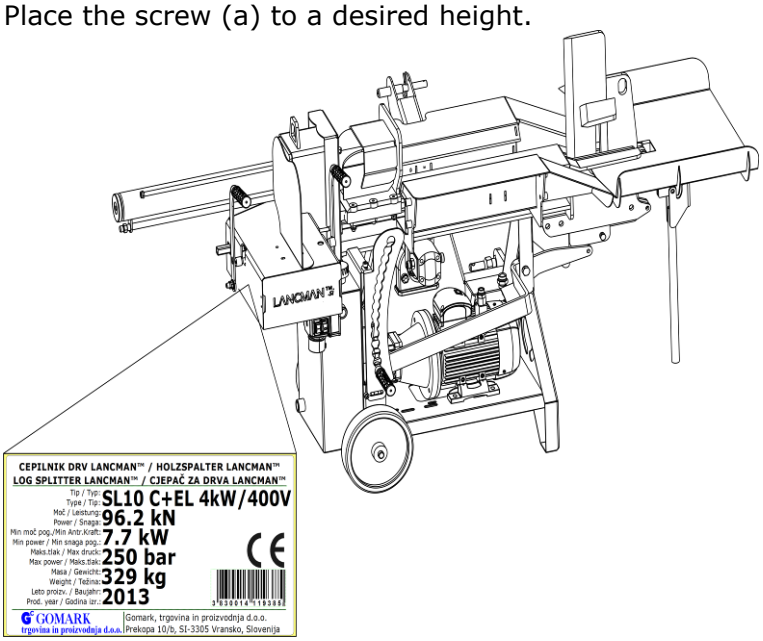


1. Hydraulic cylinder	9. Wheel
2. Lever control protection	10. Drive Electric-motor/Gasoline Engine) *
3. End-control leverage	11. Hydraulic pump
4. Splitting plate	12. Side table
5. Protection cover	13. Support wheel-jack
6. 4-way wedge	14. Tow-eye with tube
7. Ejection table	15. Control lever
8. Oil tank	

5. MARKING AND IDENTIFICATION

5.1 Safety warnings and declaration placed on the splitter

When splitting short logs and you want to do it faster, adjust the blade to the desired length. Place the screw (a) to a desired height.



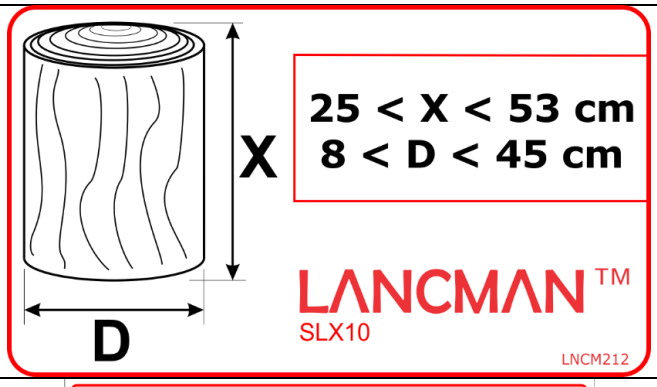
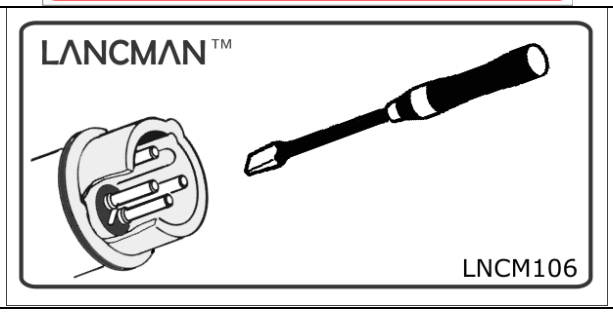
Data on the plate:
- name of the machine,
- type,
- power,
- max. pressure,
- weight of the machine,
- year of manufacture,
- manufacturer,
- bar code.

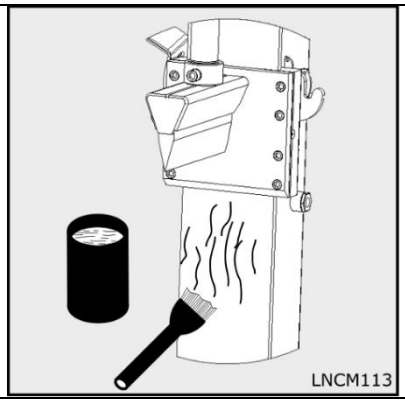
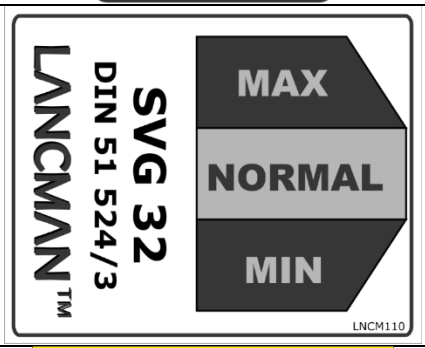
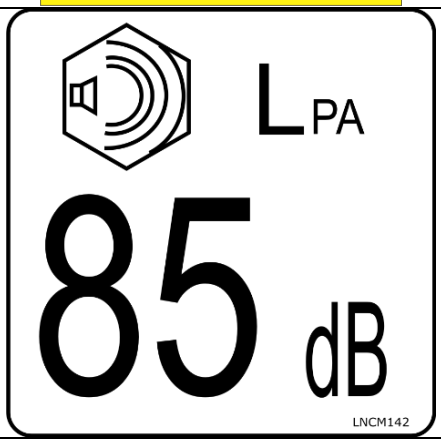
5.2 Warning signs

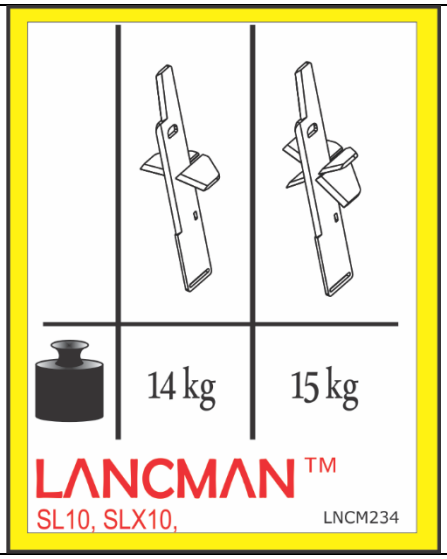
Warning signs, placed on the splitter, are warning the workers of the dangers which may occur when using the splitter (each pictogram is placed once only).

NUMBER OF THE SIGN		MEANING
LNCM116	1	**Please carefully read the user's manual before using the log splitter.**
	2	**Risk of injury – squeezing of the arms.**
	3	**Risk of injury – squeezing of the legs.**
	4	**Danger in the vicinity of the PTO axle.**
	5	**Do not remove the safety parts from the splitter while operating.**
	6	**Do not repair, clean, adjust or oil the moving parts of the splitter.**
	7	**Obligatory use of protective gloves.**
	8	**Obligatory use of safety shoes.**
	9	**Obligatory hearing protection**
	10	**To be operated and splitted with one person only.**

*

LNCM212		**X-MAXIMUM AND MINIMUM LENGTH OF WOOD** **D-MINIMUM AND MAXIMUM DIAMETER OF WOOD**
LNCM109		**THE RIGHT ROTATION DIRECTION OF THE MOTOR ON THE LOG SPLITTER.** *** PLACED ON THE LOG SPLITTER WITH ELECTROMOTOR ONLY!**
LNCM106		**SETTING THE ROTATION DIRECTION OF THE MOTOR ON THE LOG SPLITTER.** *** PLACED ON THE LOG SPLITTER WITH ELECTROMOTOR ONLY!**
LNCM224		**Obligatory rotation of the PTO axle. Max. number of turns on the PTO axle: 400 rpm.** **When connecting the PTO shaft please make sure that the protective PTO cap extends over the PTO swivels.** **DANGER OF CAPTURE!** *** PLACED ON THE SPLITTER MODELS WITH PTO PUMP**
LNCM112		**THE LABEL INDICATES THE PLACE WHERE YOU CAN FIX THE ROPE FOR LIFTING OF THE SPLITTER.** *** PLACED ON ALL LOG SPLITTERS**

LNCM113		**THERE MUST ALWAYS BE GREASE ON THE SLIDING SURFACE!** **DO NOT USE OILS BUT GREASE ONLY.** *** PLACED ON ALL LOG SPLITTERS.**
LNCM167		**GREASE PLACES - LUBRICATION CONNECTIONS!**
LNCM110		**THE OIL LEVEL IN THE LOG SPLITTER SHOULD BE ALWAYS BETWEEN THE MIN AND MAX MARK!** *** PLACED ON ALL LOG SPLITTERS**
LNCM237		**OIL CHANGE.** *** PLACED ON ALL LOG SPLITTERS.**
LNCM142		**NOISE LEVEL!**

LNCM234				**WEIGHT OF THE WEDGE! THE INFORMATION IS USED FOR THE DECISION REGARDING THE CHANGE OF THE WEDGE!** **MODELS: SL10 / SLX10**

6. SAFETY

	Before the first use read the technical data and the user's manual.
	The person using the machine is responsible for the area around the machine and must ensure that other people are not in the working area of the machine in order to avoid possible injuries.
	The splitter may be used only by the person qualified for this work and who is aware of the danger and is familiar with the user's manual for the splitter.
	The splitter may be used only if it is safely in place.
	The minimum age of the machine user: 18 years.
	When operating the machine always wear appropriate shoes and tight clothes.
	The working environment should be light. Working in a dark space may result in injuries.
	The splitter may be used only by one person at a time.
	When splitting do not hold the log with your hands.
	Do not reach into the work zone of the blade and do not keep your hands under the blade.
	Never split the diagonally cut logs.
	Regularly remove chips and debris from the work zone.
	Never leave your splitter unattended while the engine is running.
	In the event of the stuck log, lift the blade in the upper position or to the max possible level in the given situation. Shut off the drive of the engine (electricity, PTO shaft). Use the tools (wedges, hammer) may be helpful.
	When inspecting or repairing the splitter, turn off the engine.
	The maximum length of the splitted log depends on the model (see: technical data).
	Never start working without protective equipment.
	Turn off the splitter before you change the settings.
	Before the use always make sure that the machine is in good technical condition. Never use the machine if the machine parts are damaged or the screws are not tightly screwed down. Before use screw down the screws and replace the damaged parts. Use the manufacturer's specified parts only.
	When transporting or shutting of the engine, the blade and the cylinder should be in a folded up (transport) position.
	Keep your work zone clean at all times. Any obstacles which could cause danger should be removed before using the machine.
	The splitter meets the electrical safety standards. Any intervention, change or update damages the required safety standards and warranty.
	The engine and electrical parts are protected by IP 54.
	If using an extension cord, make sure that: - it suits the laws and the power and is in a good condition, - it has a relevant wire diameter for the prescribed current for the engine.
	A too thin cable may cause a surging voltage, causing the power to shut off (the switch turns the engine automatically off) and/or engine overheating.
	Check regularly if all safety instruments work correctly.
	When operating the splitter use both hands to avoid risk of injury.
	In case the power turns off, the blade stops automatically. A magnetic switch prevents an automatic turning on of the machine when the machine is again connected to the power. The machine is re-activated by a press on the switch.

7. PREPARATION OF THE SPLITTER FOR OPERATION

Prior to the sale the splitter is inspected at the factory and tested to the maximum pressure, thus preparing it for operation.
The hydraulic system and the gearbox (rotation multiplier, connected to a gear pump) are filled with oil.

Before the first operation check:
1. If the splitter is intact (possible transport damage).
2. The hydraulic hoses and cylinder of the splitter because of possible transport damage.

In the event of damage to the machine, immediately contact the dealer or manufacturer's service department.

Place the splitter on flat ground with a 3 m radius of empty space so that all operations can be done in complete safety.

Make sure the room is high enough for the blade to reach the max upper position (see technical data on the height).

8. WORKING WITH THE LOG SPLITTER

8.1 How to place the splitter

Place the splitter on even and solid ground.

The splitter may be used only if it is safely in place.

Place the splitter directly on the ground. The ground should not be levelled by a board, metal etc.

8.2 Splitter driven by a PTO shaft on the tractor

1. Plug in the splitter to a three-point connection of the tractor. The connection of the log splitter meets the category stated under the technical data.

Firstly, plug in the splitter to a three-point connection of the tractor.

When approaching the tractor to the log splitter, please make sure no one is between the log splitter 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 the 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 safe stability, there must be at least 20% of the tractor's 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.
The 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 (2 inches).



Picture; the direction of rotation of the tractor PTO shaft

The PTO shaft shall not be too long! A too long PTO shaft may cause damage to the pump of the log splitter. In such cases the warranty is voided.

In order to start the machine press both the turn on levers. The tractor PTO shaft must rotate in a clockwise direction.

If your tractor has a tractor hydraulic clutch, you must use a free-running PTO shaft.

Set the revolution on the tractor to a minimum.
Slowly turn on the tractor PTO shaft and turn on the splitter.
Set the desired rotation speed of the tractor PTO shaft.

When the PTO shaft is not on, the tractor PTO shaft must also be turned off.

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 the oil overheating and cause damage to the pump, cylinder or hydraulic hose.

Do not use a PTO shaft with clutch!

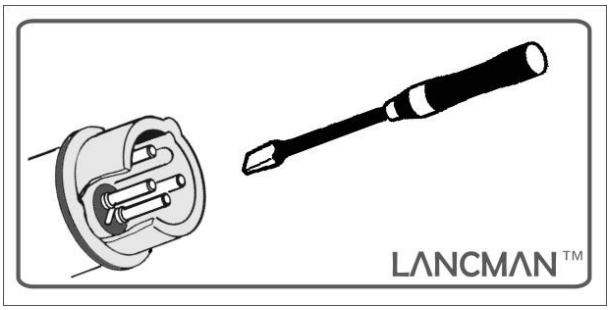
8.3 Power driven log splitter

Before you plug in the splitter, please check if the power and voltage are proper. Carefully read the plate on the electromotor and on the splitter. The line voltage must be 400 V/50 Hz or 230V 50 Hz (depending on the model).

The log splitter is equipped with a heat relay which stops the engine if overheated.
Power cables and extended electric conductors must contain 5 wires (3P+N+Z) or 3 wires (1P+N+Z), depending on the model. For the power of the attachment see the table with the technical data.

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.

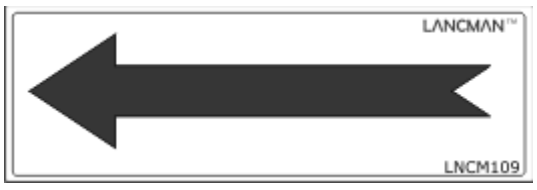
Make sure that the power is grounded and that the splitter is connected to a voltage with a differential switch.



Check the direction of the engine rotation!

When checking the direction of engine rotation, let the engine run for the shortest time possible to prevent possible damage to the pump.

There is a label on the engine showing the direction of engine rotation. In case the direction of rotation is incorrect, turn off the power and change the phase of the current using a phase inverter – a screw in the socket switch (model 400 V only).



This operation must be carried out carefully and by an informed person only.

When the splitter is connected to power press the green button on the splitter (1).

In order to shut down the engine press the red button on the switch (0) and stop the operation of the splitter.



⚠ Do not shut down the engine when under pressure.

⚠ Do not press the blade hard upon a log which will not split. Increased pressure may cause the hydraulics and engine to overheat.

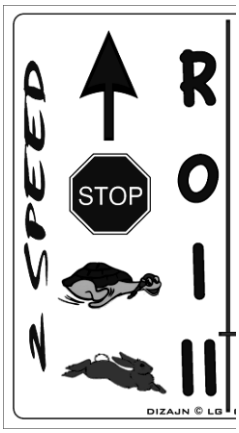
8.4 Power- and PTO shaft-driven log splitter

Check the two preceding chapters.
In a combination drive design, it must be taken into consideration that one drive and the other drive are moved at the same time. This means that if the electric drive wants to be used, the PTO must be removed and the safety lid on the PTO closed and secured. The cover at the PTO shaft is secured by a push button and if the cover is not locked, the electric drive cannot be switched on.

⚠ **NEVER USE BOTH DRIVES (POWER AND PTO SHAFT) AT THE SAME TIME!**

8.5 Operating system

8.5.1 Classical model – 2 SPEEDS



»R« position
When you push both levers up, the blade moves back to its initial working position and the levers to the position »O«.

»O« position
The levers are in the basic position and the blade does not move.

Position »I - turtle«
Press both levers simultaneously down. As long as the levers are in this position, the blade is moving down. The blade moves at normal speed (2x) and full power.

Position »II - rabbit«
When you push both levers down to the end position, the blade starts moving faster and with 40% less power.

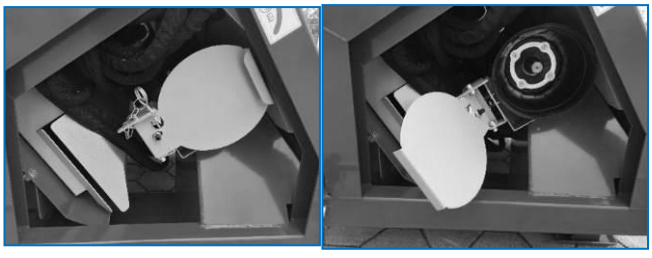
8.5.2 Model MULTISPEED



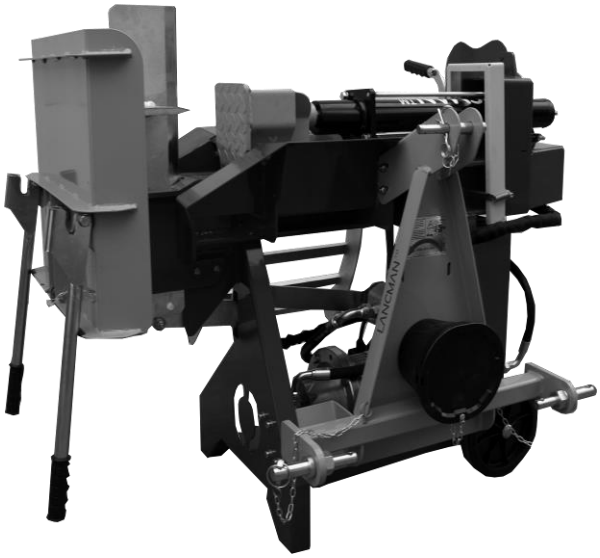
»R« position
When you push both levers up, the blade moves back to its initial working position and the levers to the position »O«.

»O« position
The levers are in the initial position and the blade does not move.

»AUTO« position
Press both levers simultaneously down. As long as the levers are in this position, the blade is moving down. The speed of the blade is adjusted automatically according to the blade load.



8.6 How to prepare the splitter for a working position



The splitter is supplied with a lowered cylinder.
First you must set the cylinder to the initial position and then you may start splitting.
Push down the levers, cylinder moves to protection table of the log splitter.

Check, if the hydraulic hoses aren't traped anywhere, when the cylinder is moving!

Screw in both hexagonal screws of the cylinder.
Varning: hexagonal screws of the cylinder are meant to clear away – fold up the cylinder, when you no longer need the log splitter, with doing that you prepare it for storing.
Push the levers forward to move the blade in the starting position.
Start with log splitting.

8.7 Splitting

In case the outside temperature is below zero (below 32 F), allow the splitter to run for approx. 5 minutes so that the hydraulic system reaches the operating temperature and then you may start working (hydraulic hoses should be slightly warm).

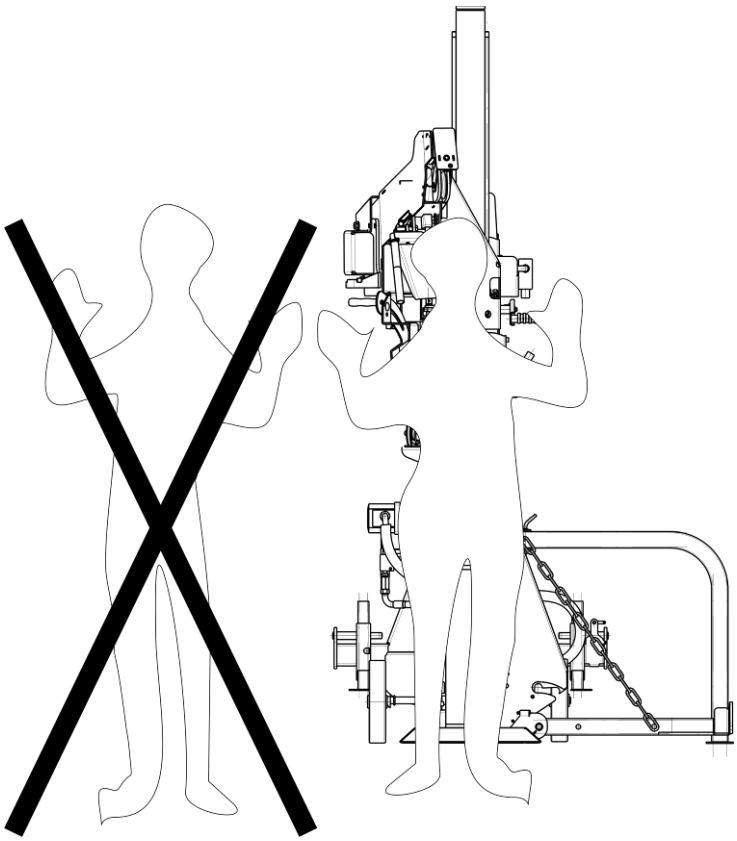
Put the log in an upright position and push it under the blade so that the log leans under the blade. In this way also working with thin logs is safe.
Push both levers on the splitter simultaneously. The blade moves towards the log and splits it. When releasing the levers the blade stops.
To move the blade into the initial position, push the levers up.
Note: The rod for switching off can be also used for adjusting the movement of the blade towards the initial position.
Unscrew the wing nut and push the rod for switching-off into the desired position

OIL WORKING TEMPERATURE MUST NOT EXCEED 80˚C (176 F). CHECK THE TEMPERATURE ON THE SENSOR. (ONLY MODELS LANCMAN 17, LANCMAN 22 and LANCMAN 26).

Never split the diagonally cut logs.

When splitting forked logs and irregularly shaped logs be careful since they may not be safely in place. The danger when splitting forked logs may arise from the fact that such logs move unexpectedly. Therefore, please be cautious!

In case a log gets stuck on the blade turn off the splitter and safely remove the stuck log.



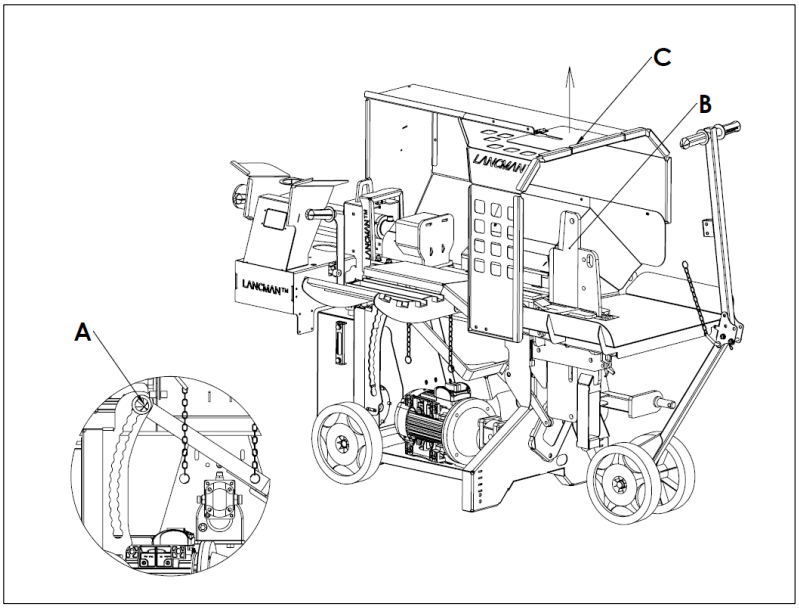
The splitter may be used by only one person at a time.

9. EXTRA EQUIPMENT FOR LOG SPLITTER

9.1 USE OF A 6-WAY WEDGE ON THE LOG SPLITTER

Additionally, when using a LANCMAN SL log splitter a 6-way wedge can be used, which is used for faster splitting of shorter logs. You can buy the 6-way wedge separately since it is not in the standard equipment.

On the log splitter is as the part of standard equipment placed a 4-way wedge. We change it with a 6-way wedge by unscrewing the nut and removing the screw (see picture below). Then we pull out the blade (B). On its place we place the 6-way wedge. It is important for the users to grease the surface of the blade, so that the wedge can slide easier on the metal surface.



10. TRANSPORT AND STORING OF THE MACHINE

10.1 How to prepare the cylinder for splitter transport

1. Push the levers down. The pushing plate extra to the position near blade.
2. Remove both splints holding the cylinder.
3. Push both levers down. The cylinder moves toward pushing plate. When it comes to the end, is ready for transport
4. Log splitter is ready for transport.

⚠ **5. Before you install the cylinder on the splitter again, make sure that no hydraulic hoses are stuck or caught.**

6. The splitter can only be transported on public roads and in the upright position.
7. For safety reasons and visibility, you must stick reflective stickers on the back side of the splitter when transporting it on public roads.
8. Max. transport speed is 25 km/h (15 mph).
9. After disconnecting the splitter from the tractor place it on even and solid ground.

10.2 Transport of the splitter

The log splitter has wheels for manual transport.

⚠ **If you are not careful there is a chance to tip over the splitter when moving it, irrespective of the height and weight of the splitter**.

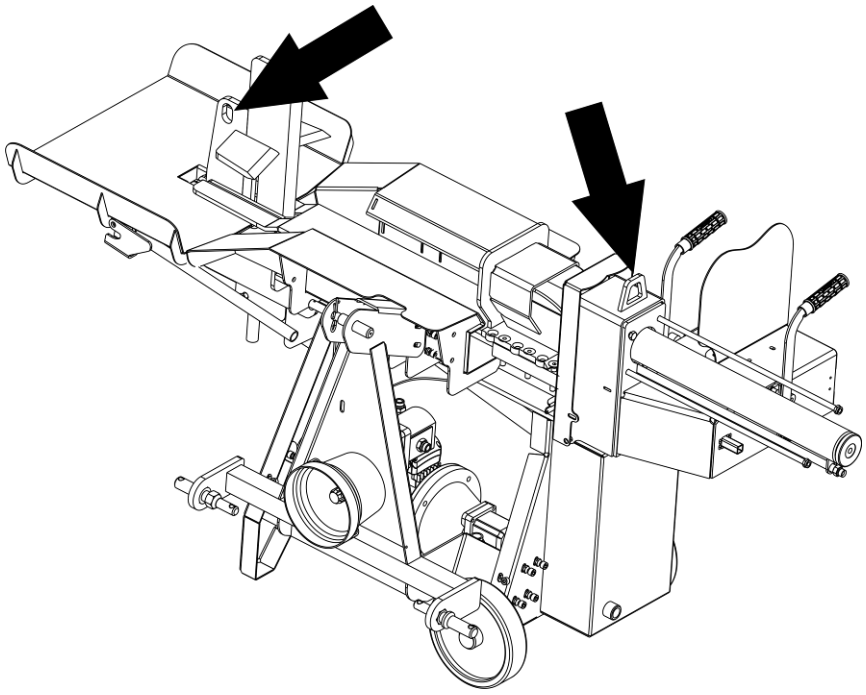
The log splitter must be leaned (5° at the most) and can be moved by another person who helps to move the log splitter to remain stable and checks if the way is free from obstacles. Moving of the log splitter is an important manual operation and can be carried out only by a person who can do it safely.

10.3 Lifting of the splitter

Use the mooring to fasten the splitter when lifting.

⚠ Make sure that the lifting machine can lift the splitter (see: technical data, weight of the splitter).





11. MAINTENANCE AND INSPECTIONS



Before carrying out maintenance and inspections turn off the splitter!

11.1 General safety rules

- Never leave your splitter unattended while the engine is running.
- Use original spare parts only.
- Never use the splitter without protection.
- Before every use, check the function of the splitter's steering system and security components (yellow shield).

11.2 Inspection of the splitter

- Screw down all nuts after the first hour of work.
- Screw down all nuts and other parts after 100 working hours on the splitter.
- Replace used nuts with new ones.
- For security reasons check all connections with the hydraulics.

11.3 Hydraulic system

- Before every use, check the condition of the hydraulic installation (hose). Pay special attention to possible mechanical damage. A damaged hydraulic hose can burst under high pressure and oil can squirt out. This is very dangerous!
  Note: Check the oil level when the blade is in the starting position.
- Maximum oil level is reached when the lens for the oil level is full.
- When the oil level reaches 60 % on the scale, the minimum oil level is reached.
- If this is the case, add enough oil immediately.
- To add oil, unwind the lid of the filling part (see picture – main parts of the splitter).

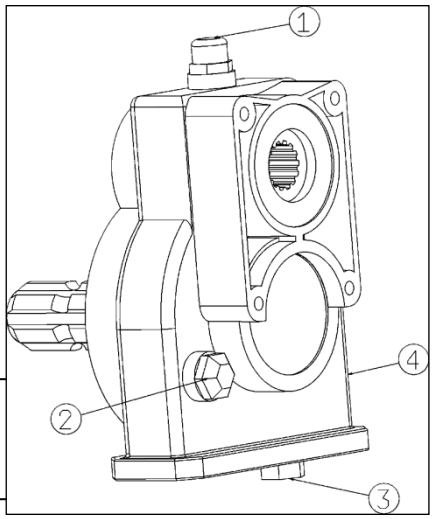
11.4 Guiding framework

- The guiding framework needs to be lubricated regularly (put the lubricant on a brush or broom). You can also lubricate it through the lubricating nipple (depending on the model)!

11.5 Maintenance of the Log Splitter

Oil Change in the hydraulic system
Warning! Used oil must be removed in accordance with environmental regulations. Read and consider valid environmental regulations. *Note:* Before the change, the blade must be in the open position (starting position). The first change of oil must be done after 50 hours of work on the splitter. The next change must follow every 500 hours of work on the splitter or at least once in 24 months.

1. 1. Unwind the lid of the tap on top of the filling part on the tank.
2. Prepare a container for approx. 30 l of waste oil and place it under the tap on the bottom of the tank. Unwind the magnet tap on the bottom of the tank and clean it before adding new oil.
3. Insert the tap on the bottom of the tank and seal it with a sealing compound. Add new oil to the tank. The oil must be of suitable quality described under item 4. **For the amount see the technical data on the log splitter**. You should reach the maximum point on the oil scale.



1. venting tap
2. oil scale
3. oil outlet
4. housing

11.6 Maintenance of the oil filter

Check and/or clean the oil filter when you change oil. You may find aluminum scrapings that originate from the pump operation.
Change the filter if you find mechanical damage or holes.

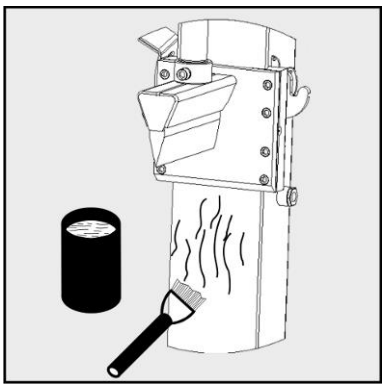
11.7 OIL FOR A GEAR BOX DEVICE

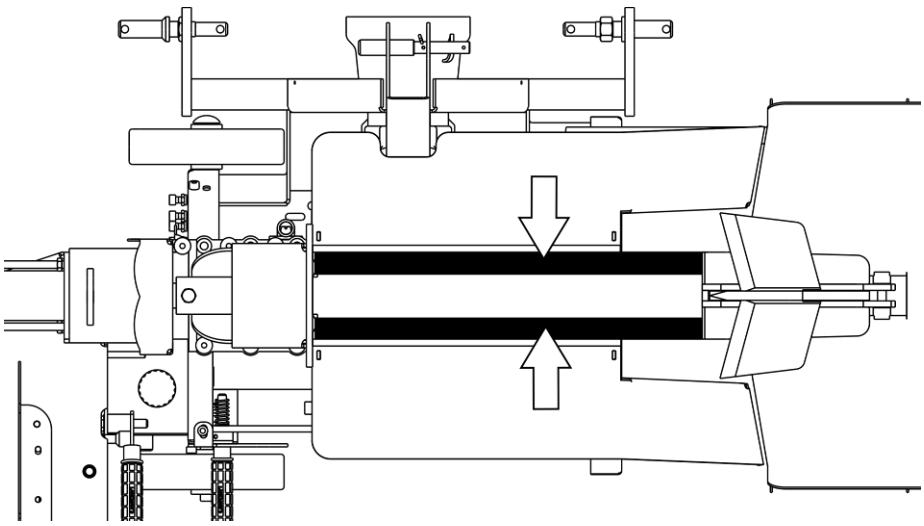
Use oil with viscosity SAE 90.

Change oil after the first 50 working hours of the splitter. Further oil changes should follow 1500 working hours or once a year (0.5 l).

11.8 Lubrication of the splitter

Regularly lubricate the gliding surface of the splitter (where the slide plate moves). The life span of plates and brass depends on the lubrication of the slide plate surface. You should also lubricate all joints on the splitter as hinges on security arms, hinge of the offset, blade and regulator of the control stick.





12. TROUBLESHOOTING

DEFECT	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
The blade does not move	Broken lever	Change the lever
	Wrong direction of rotation of the tractor PTO-shaft	Change the direction of rotation of the tractor PTO-shaft
	Too little or no oil in the hydraulic system	Check oil level
Weak engine	Improperly installed safety valve	Check the pressure, adjust the safety valve
	Too little or no oil in the hydraulic system	Check oil level
Weak engine	Improperly shaped log	Split the log from the side
Increased noise, produced by the splitter	A too high rotation speed	Preserve the prescribed rotation speed
	Clogged filter	Clean the filter
	To little oil in the multiplication device	Check the oil in the multiplication device
The blade does not move, the cylinder moves up and down	The splitter is still in the transport position. The screws for the cylinder are not tighten as described.	Unscrew the two screws, push the levers down and hold them until the cylinder housing sits on the splitter housing. Then insert the screws and tighten them.
Hydraulic system leaks	Worn out piston seal	Replace the seal
	Cranky cylinder piston	Tighten the cylinder piston
	Damaged cylinder piston	Replace the cylinder piston
Oil and hydraulic hoses overheating	Too many rotations on the drive.	Reduce the number of rotations on the tractor.
	Too little oil in the hydraulic system	Check oil level
	Poor quality of the hydraulic oil	Change oil

13. CONSUMABLES FOR THE SPLITTER

The consumables for the log splitter are:
- oil,
- wearing sliding plates and underlay brass,
- wearing of the blade,
- oil filter.

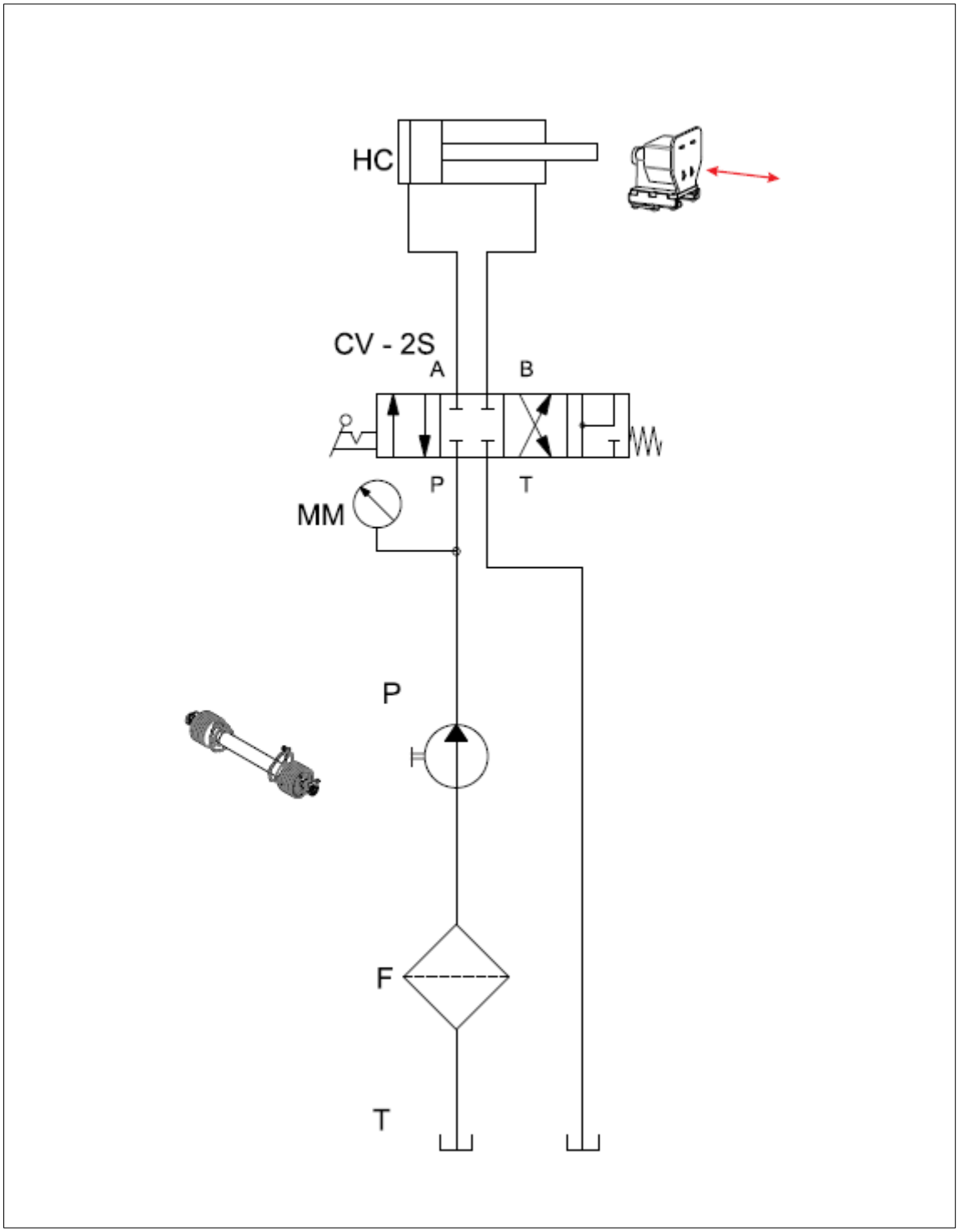
Consumables are not the subject of claims.

14. HYDRAULIC SCHEME

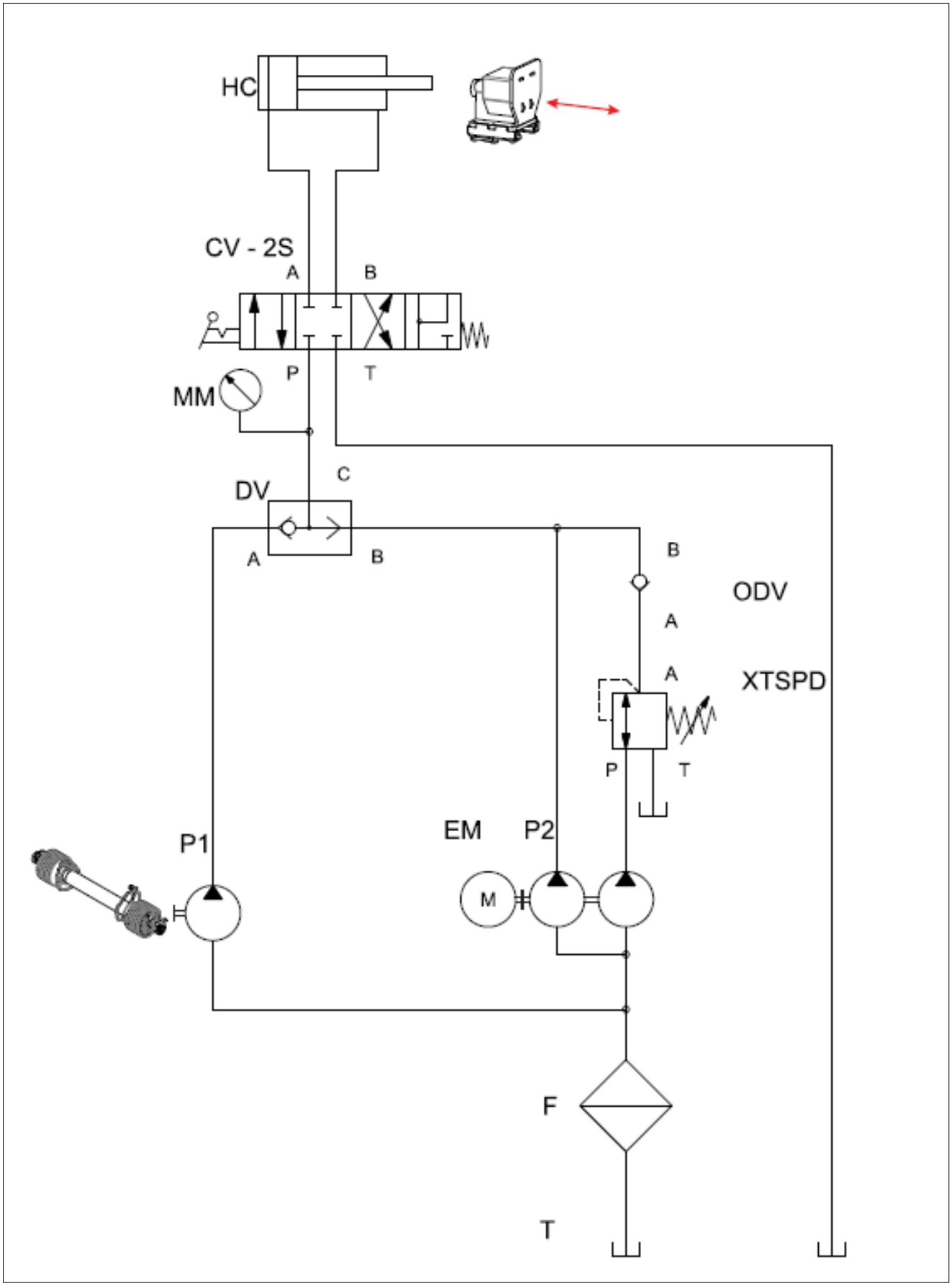
TABELE: LEGEND

2S	2 SPEED	FRT	OIL FLOW REGULAT.	PRT	PRESSURE REG.
CO	CARRY OVER	HC	HYDR. CYLINDER	SV	SAFETY VALVE
CV	CONTROL VALVE	HM	HYDR. MOTOR	T	OIL TANK
DV	FLOW REGULATOR	MM	MINI MESS	TV	T – OIL CONN.
EM	ELECTRICMOTOR	MSP	MULTISPEED CONT.VALV	VI	HYDR.WINCH
F	OIL FILTER	ODV	OIL RETURN LIMITER	XTSPD	XTRMSPEED
FR	OIL FLOW REGULATOR	P	PUMP		

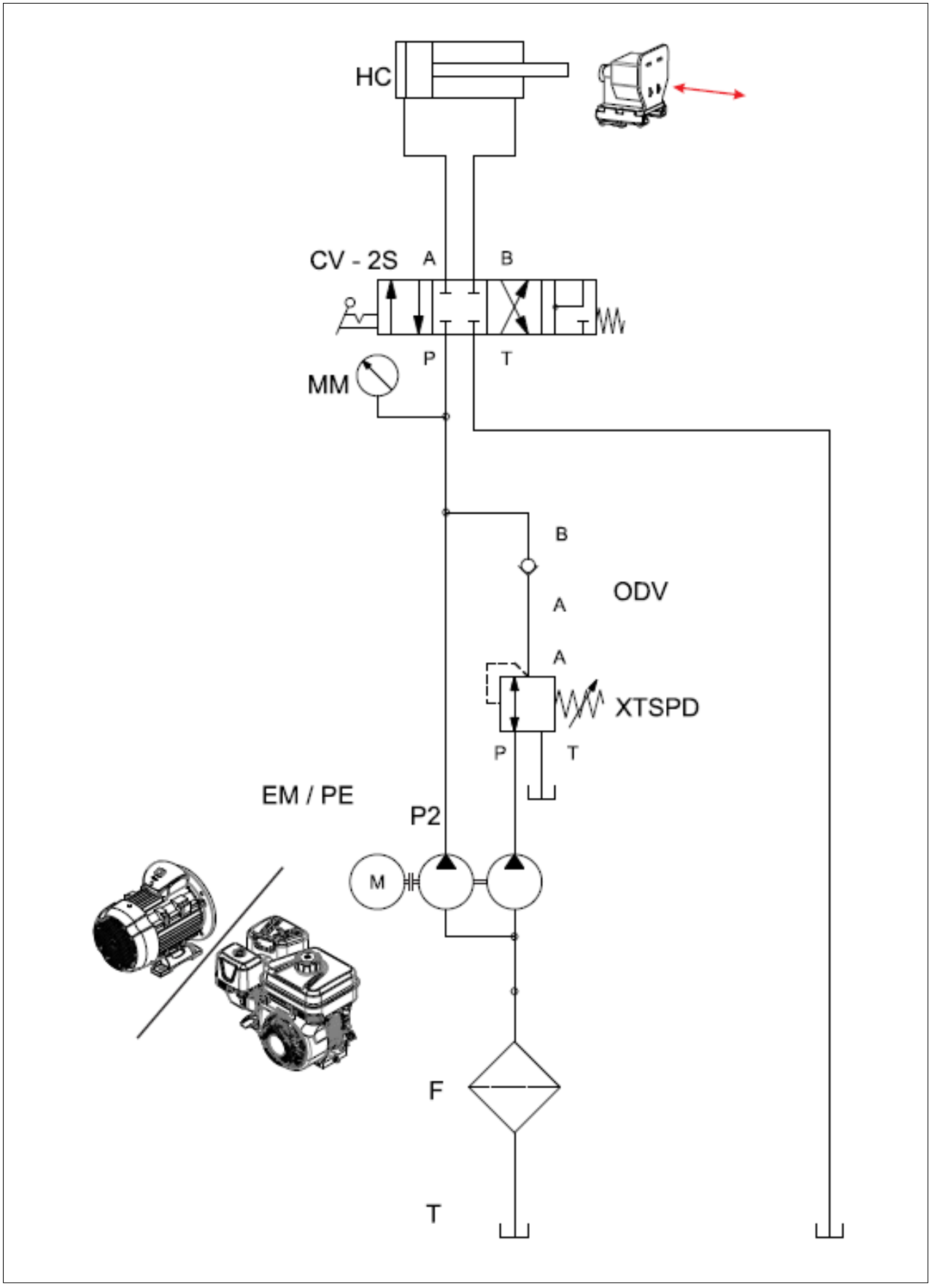
14.1 Hydraulic scheme for type C



14.2 Hydraulic scheme for type C+EL



14.3 Hydraulic scheme for type EL and Briggs drive

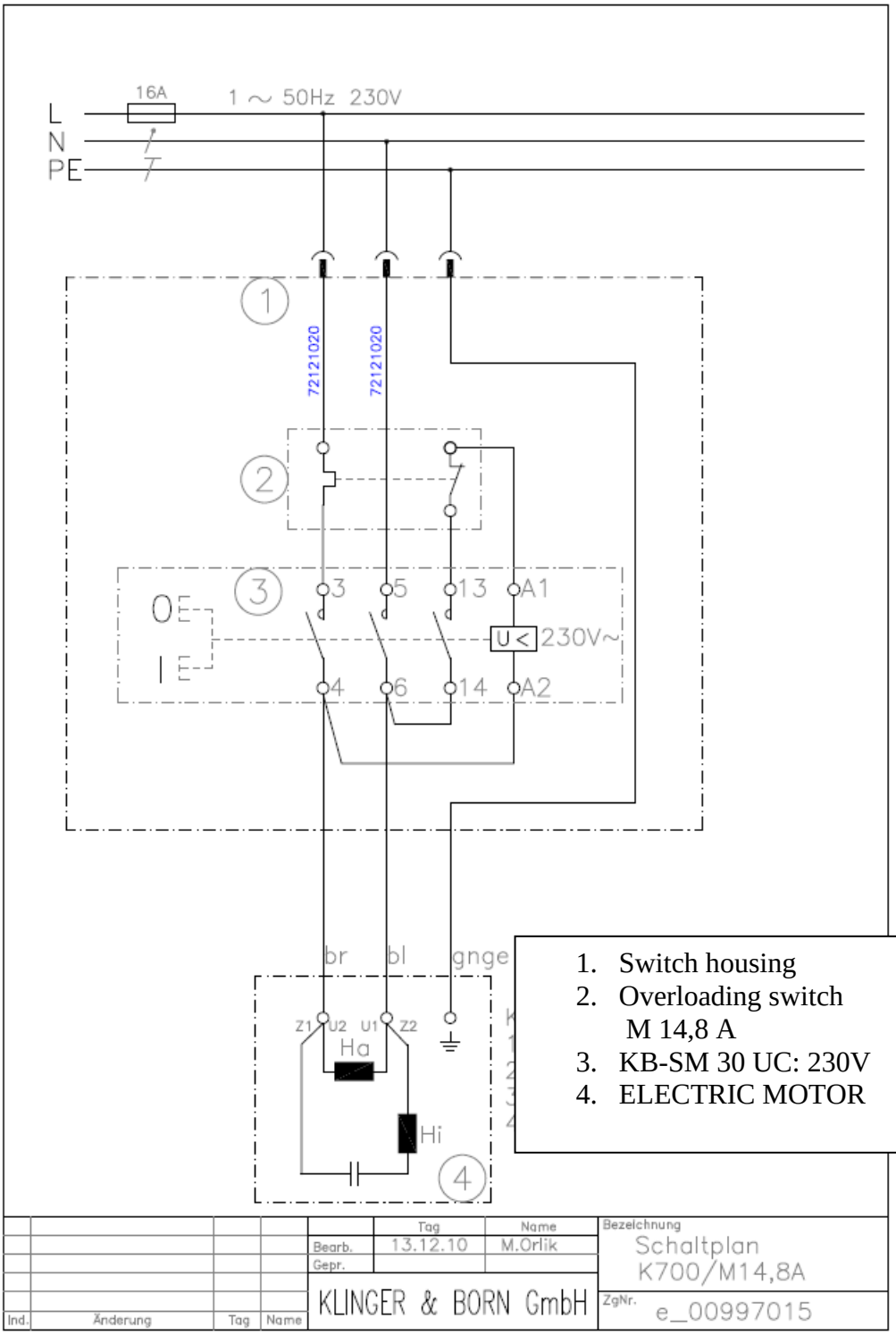


15. ELECTRIC SCHEME

15.1 ELECTRIC MOTOR 230V/2.2kW

Voltage: 230 V,
Rated power: 2,2 kW, Rated current: 14 A,

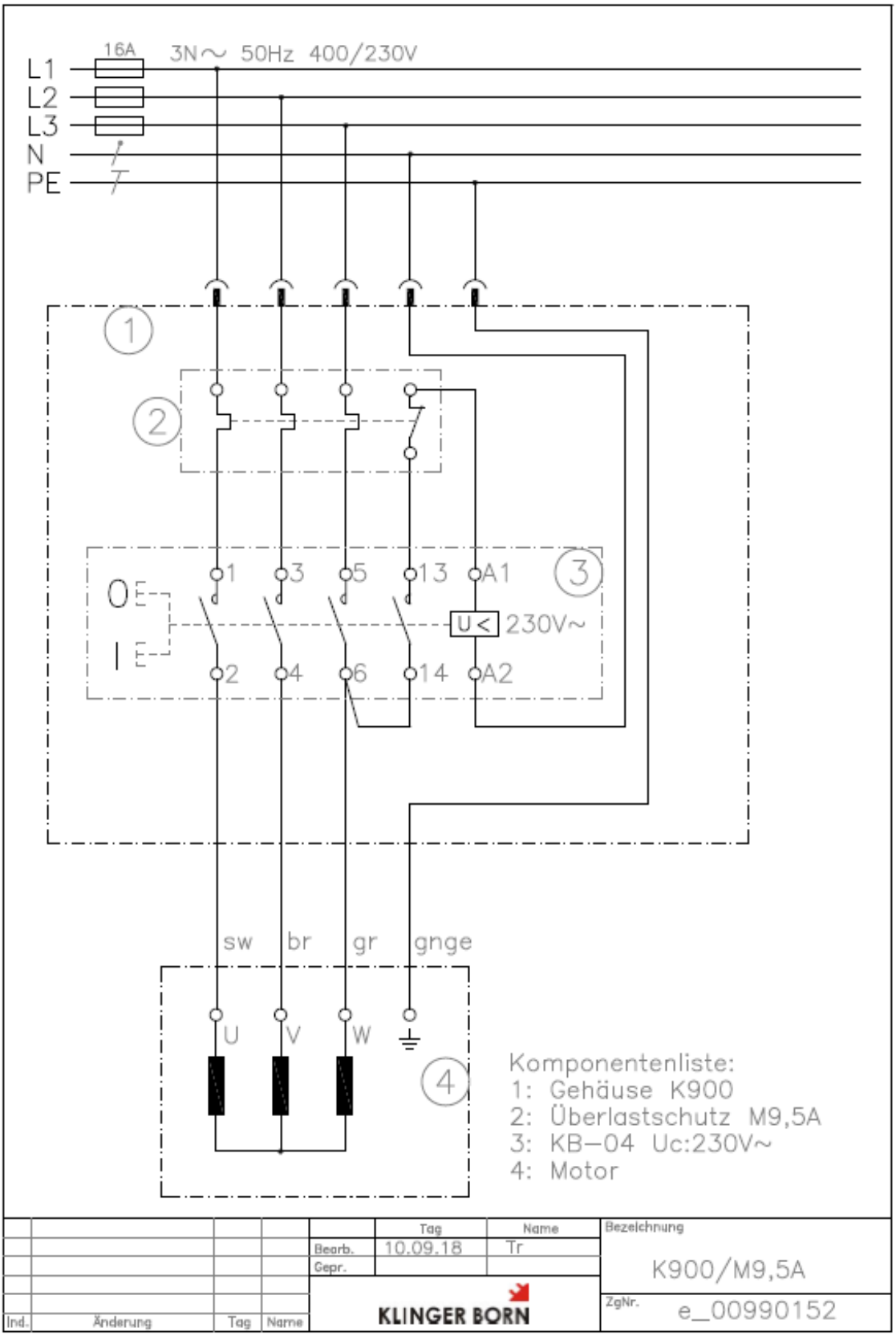
SWITCH KLIBO št.: 00997015.



1. Switch housing
2. Overloading switch M 14,8 A
3. KB-SM 30 UC: 230V
4. ELECTRIC MOTOR

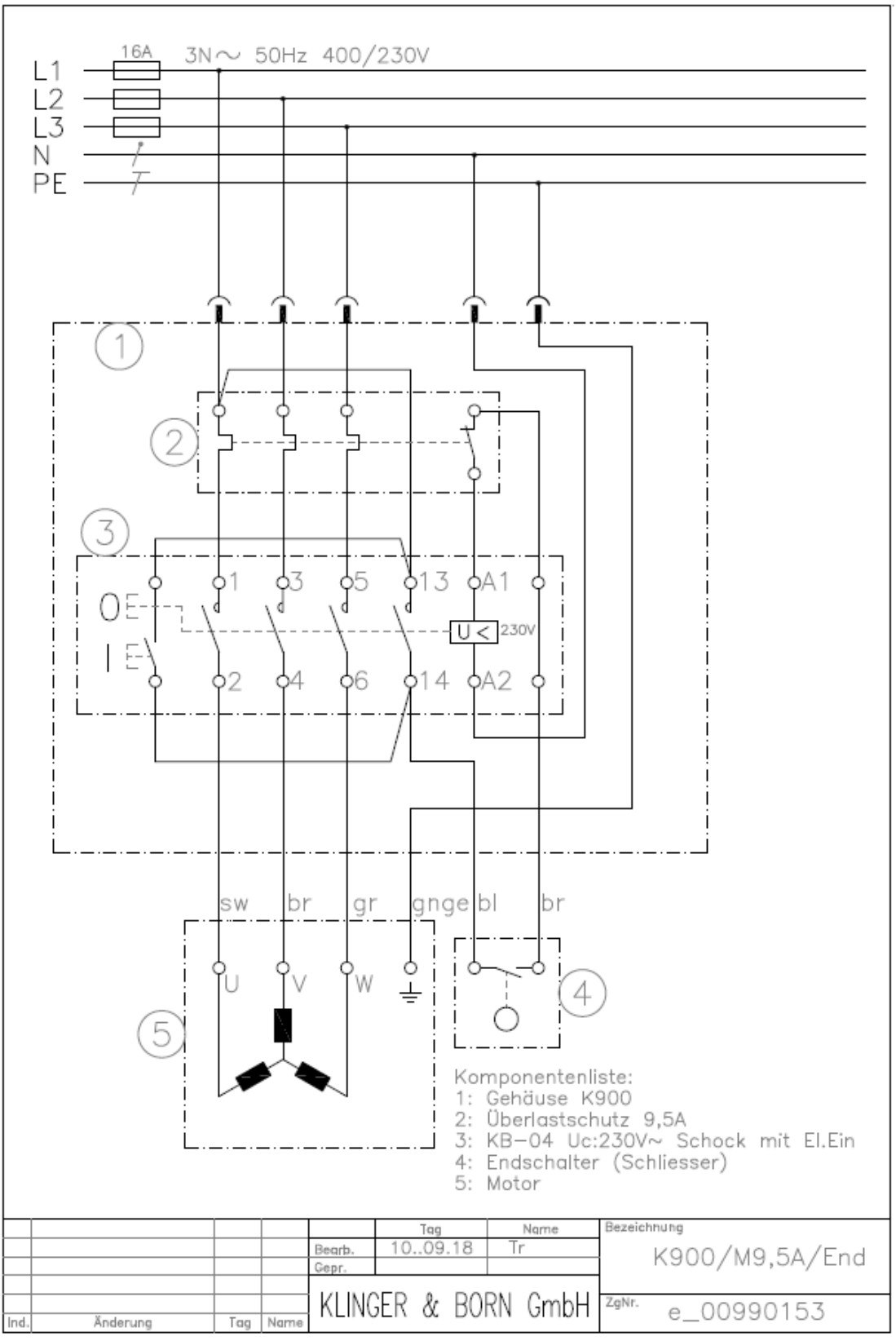
15.2 ELECTRIC MOTOR 400V/4 kW

Voltage: 400 V/1400 rpm.
Rated power: 4 kW, rated current: 7 A, (zero current needed)
SWITCH KLIBO št.: 0099.0152.
ELECTRIC SCHEME:



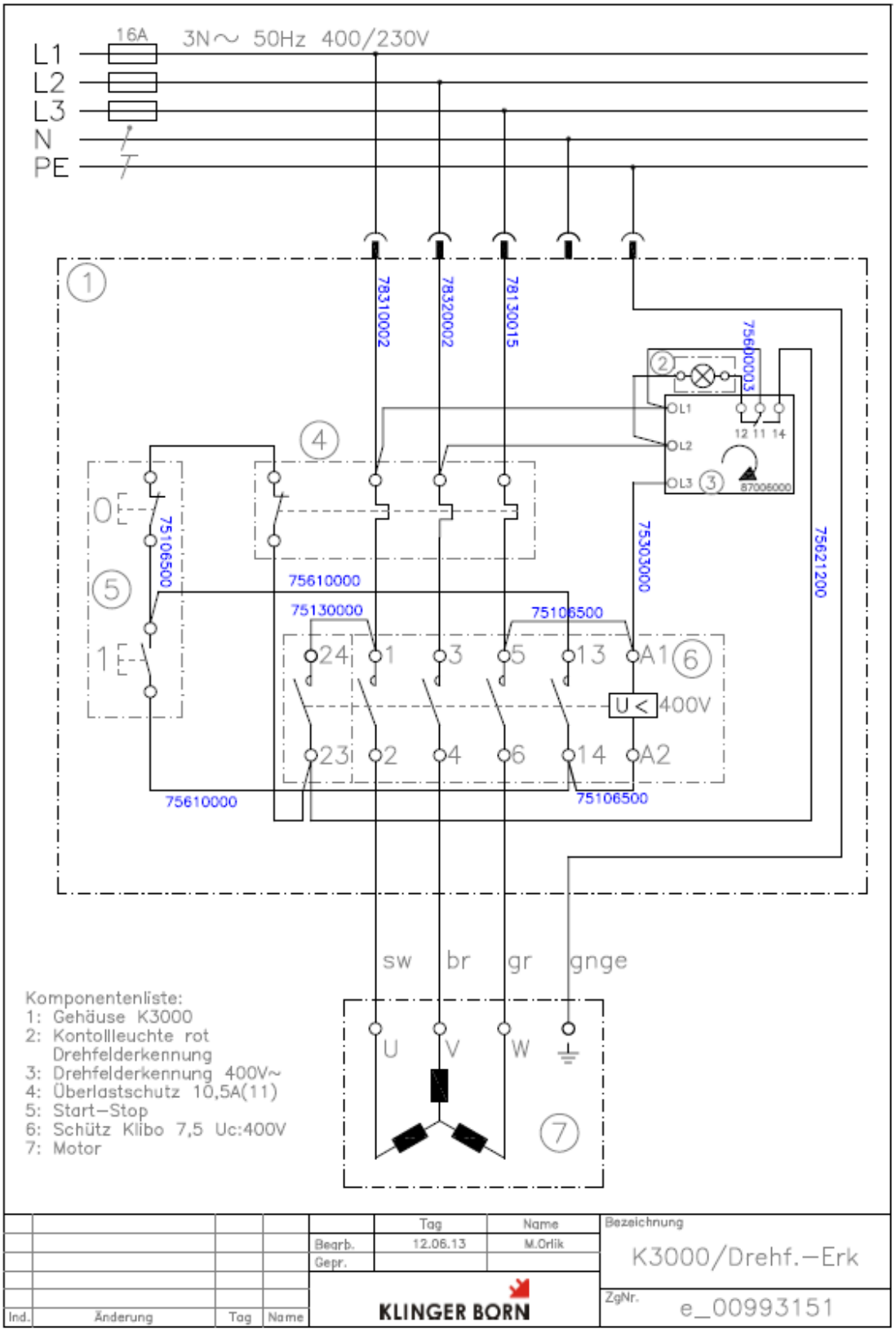
15.3 ELECTRIC MOTOR 400V/4 kW for combined drive C+EL

Voltage: 400 V/1400 rpm.
Rated power: 4 kW, rated current: 7 A, (zero current needed)
SWITCH KLIBO št.: 0099.0153.
ELECTRIC SCHEME:



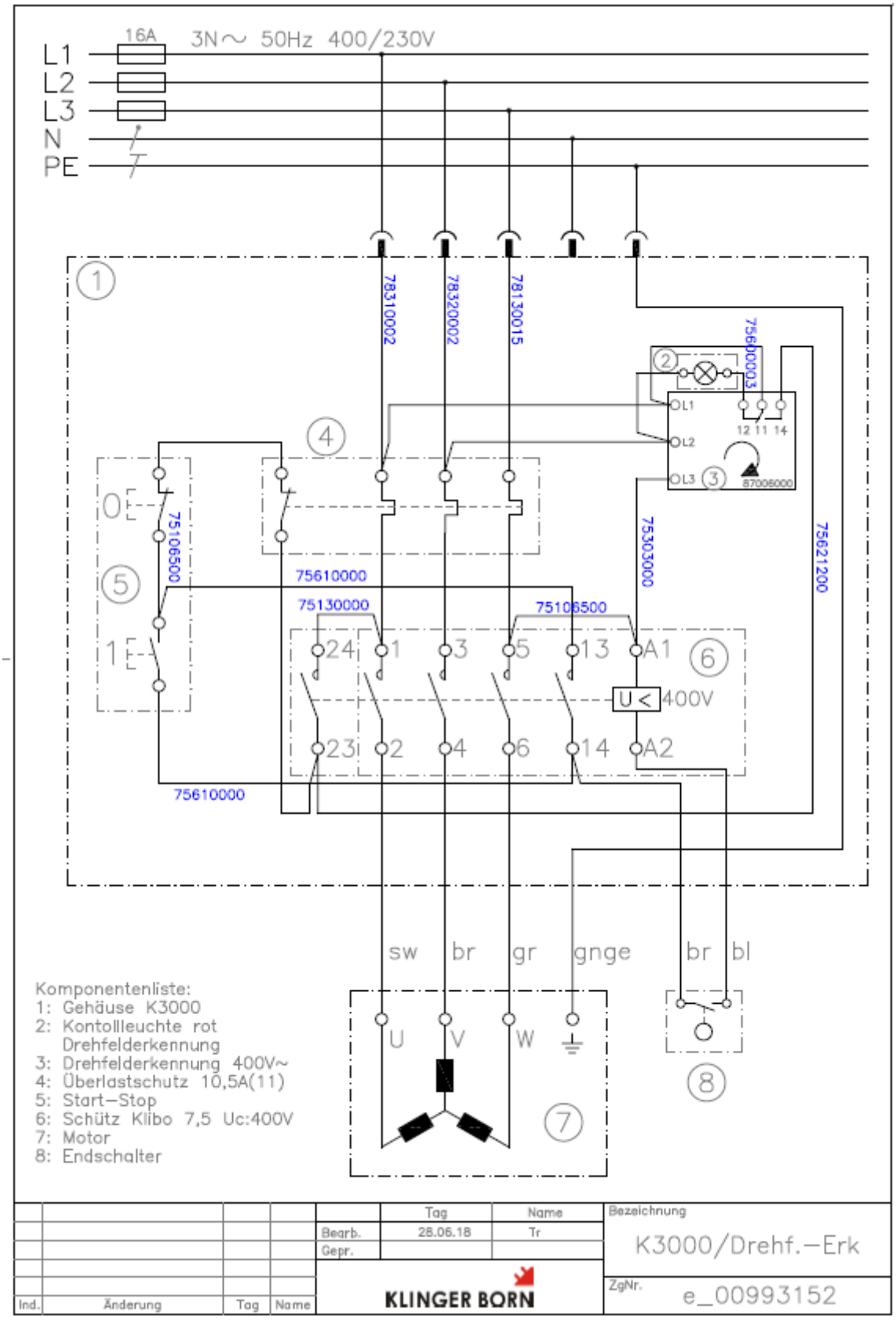
15.4 ELECTRIC MOTOR 400V/5.5kW

Voltage: 400 V/1400 rpm.
Rated power: 5,5 kW, rated current: 10,5 A, (zero current needed)
SWITCH KLIBO No.: 0099.3151 (control light + wrong direction blockade).
Electric scheme:



15.5 ELECTRIC MOTOR 400V/5.5 kW for combined drive C+EL

Voltage: 400 V/1400 rpm.
Rated power: 5,5 kW, rated current: 10,5 A (zero current needed)
SWITCH KLIBO št.: 0099.3152.
ELECTRIC SCHEME:



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

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