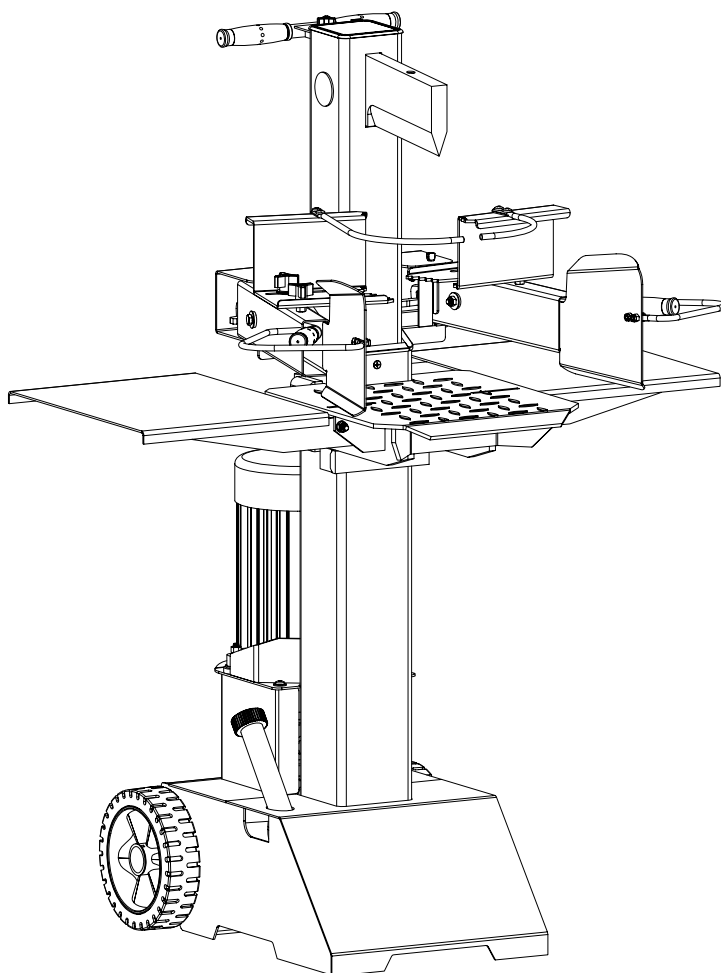




**BLUEBIRD
INDUSTRIES**



POWERED LOG SPLITTER WITH HYDRAULIC SYSTEM

MODEL NUMBER: ☐ LSE 8000

SERIAL NUMBER: _____

Both the model number and the serial number are located on the main label.

Both should be recorded in a safe place for future use.

FOR YOUR SAFETY

**READ AND UNDERSTAND THE ENTIRE MANUAL BEFORE USING THE
MACHINE**

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INTRODUCTION

The new log splitter will fully meet your expectations. It is manufactured according to strict and high-quality standards to achieve a higher level of performance. You will find your product safe and easy to use and, with proper care, it will provide reliable service.



Carefully read the entire user manual before using the log splitter. Pay special attention to warnings and precautions.

ENVIRONMENT



Recycle unused material instead of disposing of it as trash. All tools, hoses, and packaging must be taken to the local recycling center and disposed of in an environmentally safe manner.

SYMBOLS

The machine label should display some symbols. These represent important information about the product or how to use it.



Read these instructions completely before using the machine.



Wear safety footwear!



Wear protective gloves!



Wear eye protection!
Wear hearing protection!



Keep your workspace tidy! Disorder can cause accidents.



Do not remove or tamper with any protective or safety device.



Dispose of used oil in an environmentally friendly way.



Do not use in the rain.



Danger! Keep away from moving parts!



Do not remove jammed logs with your hands.



Warning! Thrown objects.



Before starting any maintenance or cleaning, always disconnect the power supply.



Avoid injuries caused by the movement of the splitting blade.



Keep bystanders away from the work area.

SAFETY

Instructions and safety warnings

KNOW THE LOG SPLITTER

Read and understand the manual and the labels on the log splitter. Know its operation, fields of application, and its limits, as well as the dangers of the machine itself.

DRUGS, ALCOHOL, MEDICATIONS

Do not use the log splitter under the influence of drugs, alcohol, or medications, which could impair proper use.

AVOID DANGEROUS CONDITIONS

Always place the log splitter on a clean, solid, and level surface. Do not use it on dirty, wet, muddy, or icy surfaces. The chosen location must be free of tall grass, brush, or other obstructions. There must be plenty of space to work manually and help the operator stay alert. Keep the work area clean and well lit. Dirty areas can cause hazards. To avoid tripping, do not leave tools, logs, or other components lying around the work area. Do not use the log splitter in wet or damp areas or areas exposed to water. Do not use it in areas where fumes from dyes, solvents, or flammable liquids may be a potential hazard.

INSPECT THE LOG SPLITTER

Check the log splitter before turning it on. Get into the habit of checking that the adjustment keys are removed from the work area before turning on the machine. Replace damaged or missing parts before use. Make sure that all nuts, bolts, screws, hydraulic fittings, hose clamps, etc. are securely fastened. Always check the oil level in the tank. Do not use the log splitter when it needs repairs or is in poor mechanical condition.

DRESS APPROPRIATELY

Do not wear loose clothing or gloves, scarves, or jewelry (rings, watches). It is recommended not to use gloves protective non-conductive gloves and non-slip shoes. Tie up long hair to prevent it from being caught by the machine.

PROTECT EYES AND FACE

Any log splitter can throw foreign objects into the eyes. This can cause permanent damage to the eyes. Always wear protective glasses and not regular glasses with prescription lenses as they do not provide protection against impacts.

ELECTRICAL EXTENSIONS

Improper use of extension cords can cause the log splitter to malfunction, which could overheat. Make sure that the extension cord is not longer than 10m and that the cross-section is not less than 2.5mm² to ensure sufficient current flow to the motor. Avoid the use of loose and inadequately insulated connections. The Connections must be made with protective materials suitable for outdoor environments.

AVOID ELECTRIC SHOCKS

Check that the electrical circuit is adequately protected and that the socket supplies the power, voltage, and frequency required for the motor. Check that there is a ground connection and a differential circuit breaker for back-current regulation. Place the log splitter on the ground. Avoid physical contact with: pipes, radiators, and coolers. Never open the electrical box. If this is necessary, contact a qualified electrician. Make sure your fingers do not touch the metal poles of the electrical plug when turning the log splitter on or off. For models #65585, #65585(A):

After installation, the protection rating of BSI and SEV has approved the combination of plugs and sockets of at least IP44D. Avoid excessive bending and twisting of the connection between the power cord plug and the junction box.

PREVENT FIRES

Do not smoke or have open flames when operating or refueling the log splitter. Never use the log splitter near flames or sparks. Oil is flammable and may explode.

KEEP BYSTANDERS AWAY

Allow only one person to load and operate the log splitter. Always keep bystanders, including visitors, children, and animals away from the work area, especially when the log splitter is operating.

Only the operator should be near the machine and only within the safety area specified in the manual. Do not use another person to unblock a stuck log. No one under 16 years old should be allowed to use the log splitter. Any individual under 18 years old should have training and skills to properly and safely use the machine and should always be supervised by an adult.

INSPECT THE LOG

Never try to cut a log containing nails, iron, or debris. Always make sure that both ends of the log splitter are cut at a right angle. This prevents the log splitter from slipping out of position while under pressure. Branches must be cut at the level of the log.

DO NOT OVERDO IT

Stay standing and well balanced at all times. Never stand on the log splitter. Serious accidents can happen if the tool is sharp or if the cutting tool is accidentally touched. Do not leave anything in the surroundings or on top of the log splitter.

AVOID INJURIES FROM UNEXPECTED ACCIDENTS

Do not ride or lean over the cutting area while the log splitter is operating. Do not stack logs to be cut in such a way that the user has to lean over the log splitter. Use only your hands to operate the control levers. Never use feet, knees, wires, or any extension tools. Always pay maximum attention to the movement of the wedge. Never attempt to load the log splitter while the wedge is moving. Keep hands away from the movement of all sharp parts. Do not attempt to cut two logs stacked on top of each other. One of them could be thrown and hit the user.

PROTECT YOUR HANDS

When the wedge of the log splitter is returning to its initial position, remove your hands from the machine—the log splitter is designed to stop automatically when the cylinder is fully retracted. Keep your hands away from cracks and splits present in the log. They can close suddenly and crush or amputate your hands. Do not remove a jammed log with your hands.

DO NOT FORCE THE MACHINE

The machine performs better and more safely if used according to its design. Do not use the log splitter for a purpose for which it was not designed. Do not alter the log splitter. This equipment has been created and designed to be used in accordance with the operating instructions. Modifying the equipment, or using it in a way that bypasses its capabilities, can cause serious damage or fatal accidents. Never attempt to cut logs wider than the sizes indicated in the table of specifications. This can be dangerous and may cause damage to the machine.

DO NOT LEAVE THE MACHINE UNATTENDED

Do not leave the equipment unattended until it has come to a complete stop.

DISCONNECT THE POWER SUPPLY

Turn off when not using the machine, before making repairs, replacements, and cleaning the machine. Consult the technical manual before maintenance.

MAINTAIN THE LOG SPLITTER WITH CARE

Always clean the machine after each use. Keep the log splitter clean in order to maintain its optimal and safe operation. Follow the lubrication instructions. Check all seals, hydraulic hoses, levers, and the power supply that must be clean and dry, free from oil and grease at all times.

PROTECT THE ENVIRONMENT

Take used oil to a collection center or follow the regulations established in the country where the machine is used. Do not pour used oil into the sewers, on the ground or into the water.

CHILDPROOF SAFE ENVIRONMENT

Close the work area. Store the log splitter away from children or people not suitable for its use.

SPECIAL WARNING

- The cutting operation of the machine has been designed to be activated by only one person. While it is possible that additional users may work with the machine (e.g. for loading and unloading), only one operator should perform the cutting operations;
- Children are not allowed to use the machine;
- Description of the machine's functional tests;
- Installation and maintenance requirements including a list of devices, e.g. two-hand control device that must be checked, how frequently the check must be performed and by which method;
- Do not remove jammed logs with your hands. Never use someone else's help to unblock the log jammed. Lower the wedge until the cutting part is open;
- If a log gets stuck in the wedge in the lower position, grab the handle with one hand and turn off the machine with the other - Strike the log firmly with a hammer to free it;
- Only a qualified person can assemble the machine.

Specifications

Model		LSE 8000
Engine		(230V ~ 50Hz 13A) S6 40% 3000W
Log capacity	Diameter	8-30 cm
	Length	10~55 cm
Maximum cutting force		8 Ton
Hydraulic pressure		21.0 Mpa
Hydraulic oil capacity		4 L
Piston movement		48.5 cm
Speed	Forward	3.1 cm/sec
	Backward	17.3 cm/sec
Sound pressure level (LpA)		83.6 dBA unloaded; 89.7 dBA under load;
Vibration		<2.5 m/s ²
Overall dimensions	Length	84.5 cm
	Width	93.5 cm
	Height	150 cm
Weight		109.9 kg

* S6 40%, periodic continuous service with intermittent load: load period 10 minutes, unload period lasting 4 minutes, idle running period 6 minutes.

OPERATING CONDITIONS

This log splitter is a domestic use model. It is designed to be used in environments with temperatures between +5°C and 40°C and at altitudes not exceeding 1000 m above sea level. The relative humidity should not exceed 50% at 40°C. The machine can be stored and transported in environments with temperatures between -25°C and 55°C.

ELECTRICAL REQUIREMENTS

For model #65584:

With 3-phase 400 Volt / 50Hz motor, the log splitter must be connected to the standard 400V±10% / 50Hz±1%.

The power supply contains protection devices for under-voltage, over-voltage or over-current and a residual current device (RCD) with a maximum residual current of 0.03A.

Main connection and extension cables must have 5 wires = 3P + PE (3/PE). The main connection must have a fuse of maximum 16 A. Rubber electrical connection cables must comply with EN60245 and are always marked with the symbol H07RN. The cables must be identified, as required by law.

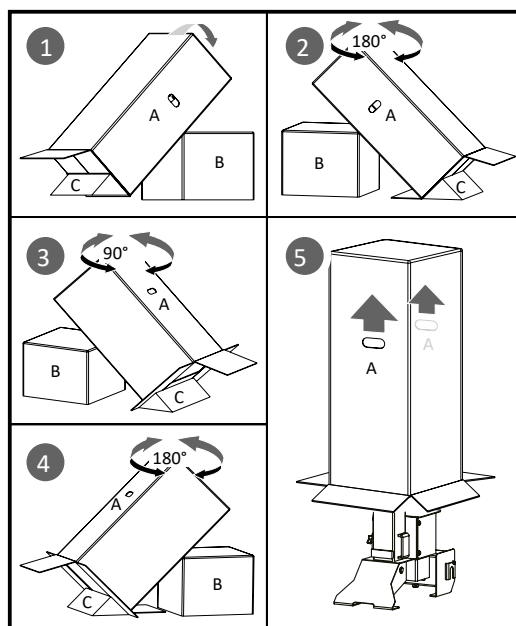
For models #65585, #65585(A):

With 230 Volt / 50Hz motor, the log splitter should be connected to the standard 230V±10%/50Hz±1%.

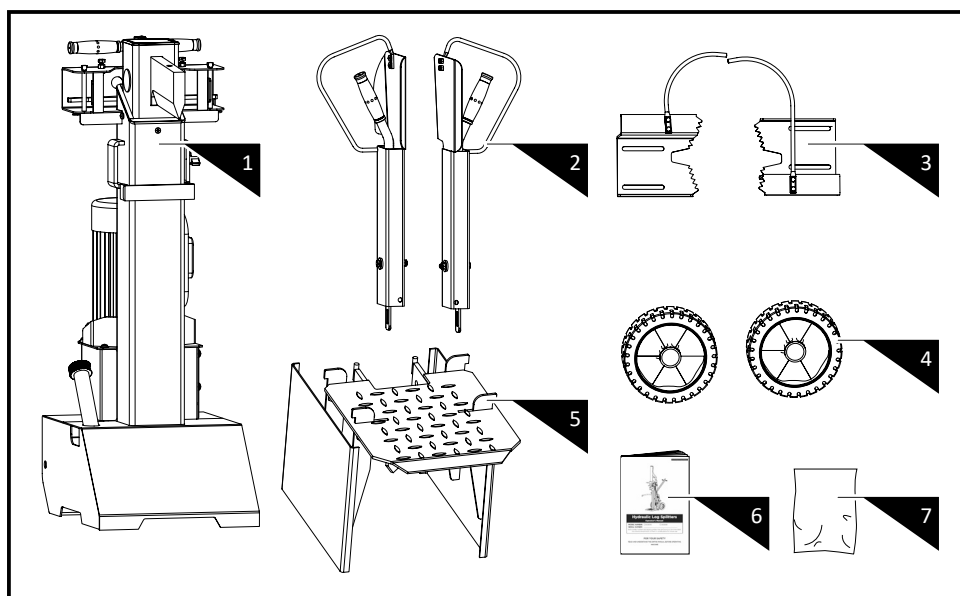
The power supply contains protection devices for under-voltage, over-voltage or over-current and a residual current device (RCD) with a maximum residual current of 0.03A. Rubber electrical connection cables must comply with EN60245 and are always marked with the symbol H07RN. The cables must be identified, as required by law.

UNPACKING

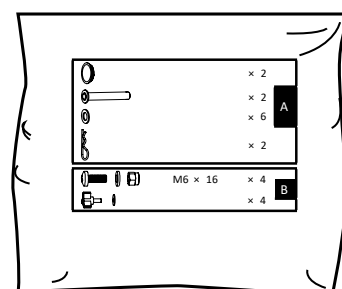
A maximum of 2 people are needed to unpack the log splitter. Use the following steps to place the log splitter on the ground by tilting each part of the package by 45 degrees. Make sure to place block (B) to support the log splitter package (A) at a point slightly above the middle. The other side of block (B) must be against a stable object, such as a wall. The wedge (C) should be placed straight under the log splitter package (A) at each step to prevent slipping. Then remove the cardboard from the machine.



SUPPLIED COMPONENTS



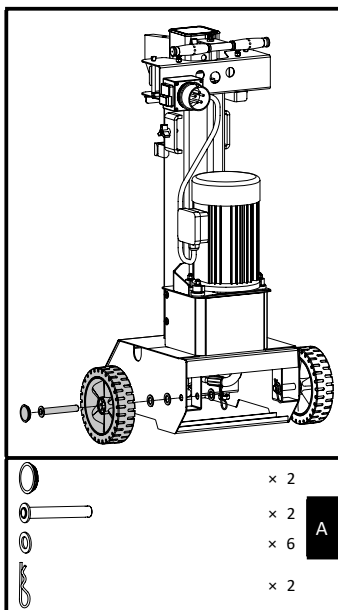
1. Log splitter frame
2. Control lever and protection assembly (1 pair)
3. Adjustable log support (1 pair)
4. Wheels (1 pair)
5. Support table
6. Operator's manual
7. Hardware bag (included)



ASSEMBLY

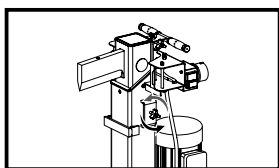
Wheels

1. Pass the axle through the wheel from the outside and place two washers as shown in the next figure. Slide the axle into the two holes at the base of the log splitter and secure it with another washer and a pin from the inside. Insert the cotter pin into the wheel.

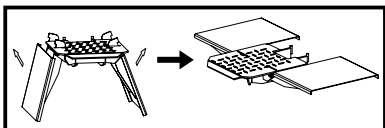


Support table

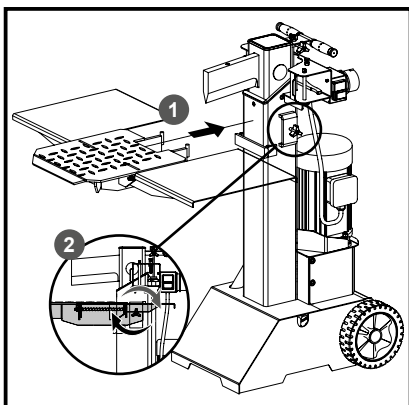
1. Before assembling, loosen the knob by turning it counterclockwise.



2. Open the support table, position its three parts at the same surface level.



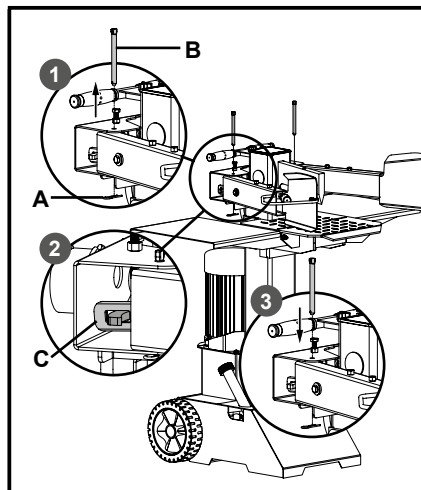
3. Insert the hooks of the support table into the mounting bracket.



4. Tighten the knob.

Control lever

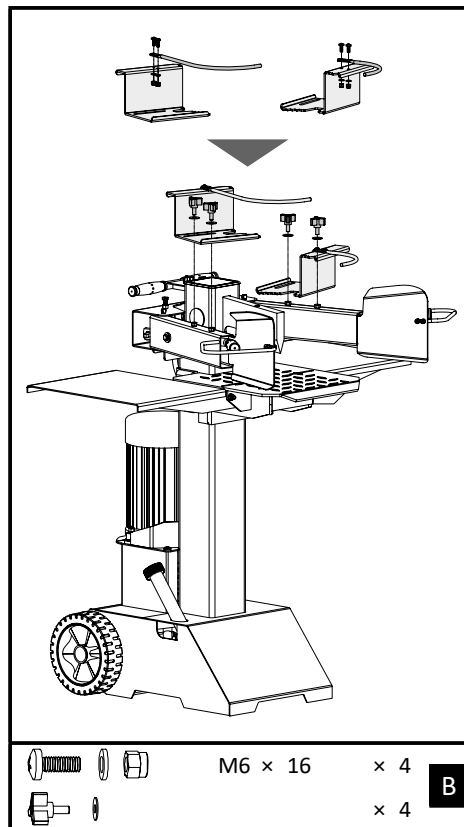
Push pin (A) to remove the locking pin (B). Apply a light layer of grease to both surfaces on the lever protection of the control as illustrated. Insert the control lever and the protection and make sure the control lever fits into the slot of the support. (C). Lock the control lever and the protection at the bottom with the locking pin (B) and the spring pin (A). Follow the same instructions to install the other control lever and the other protection on the opposite side.



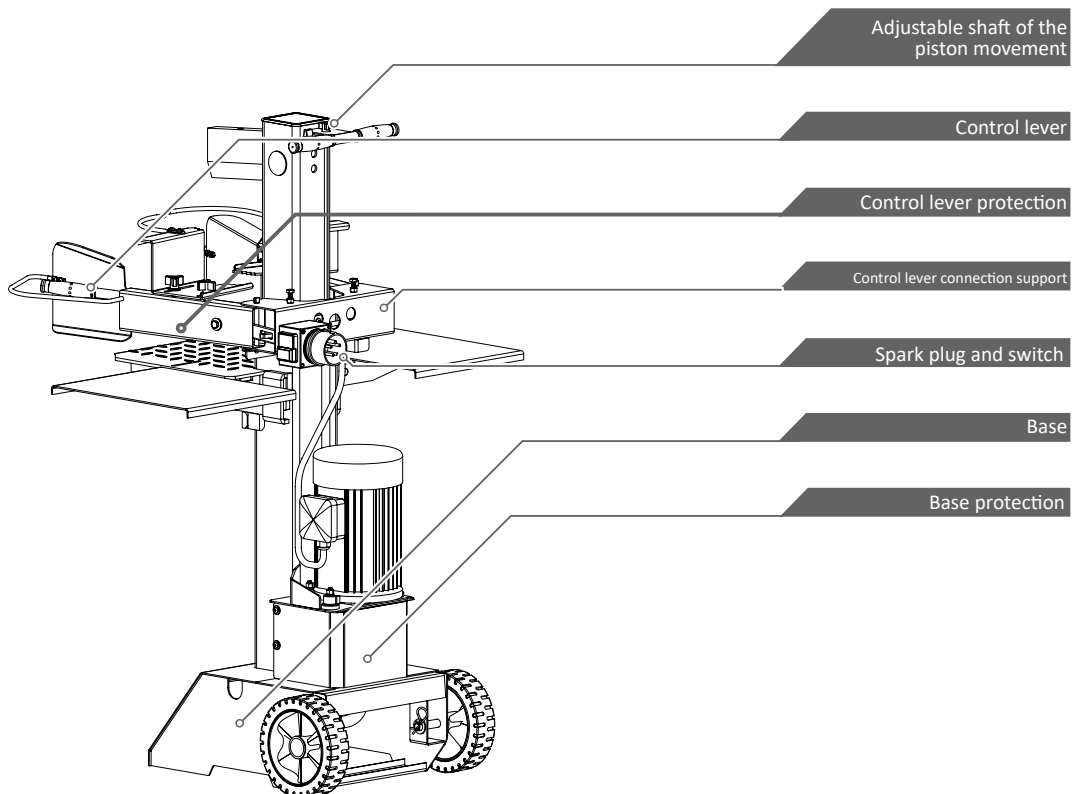
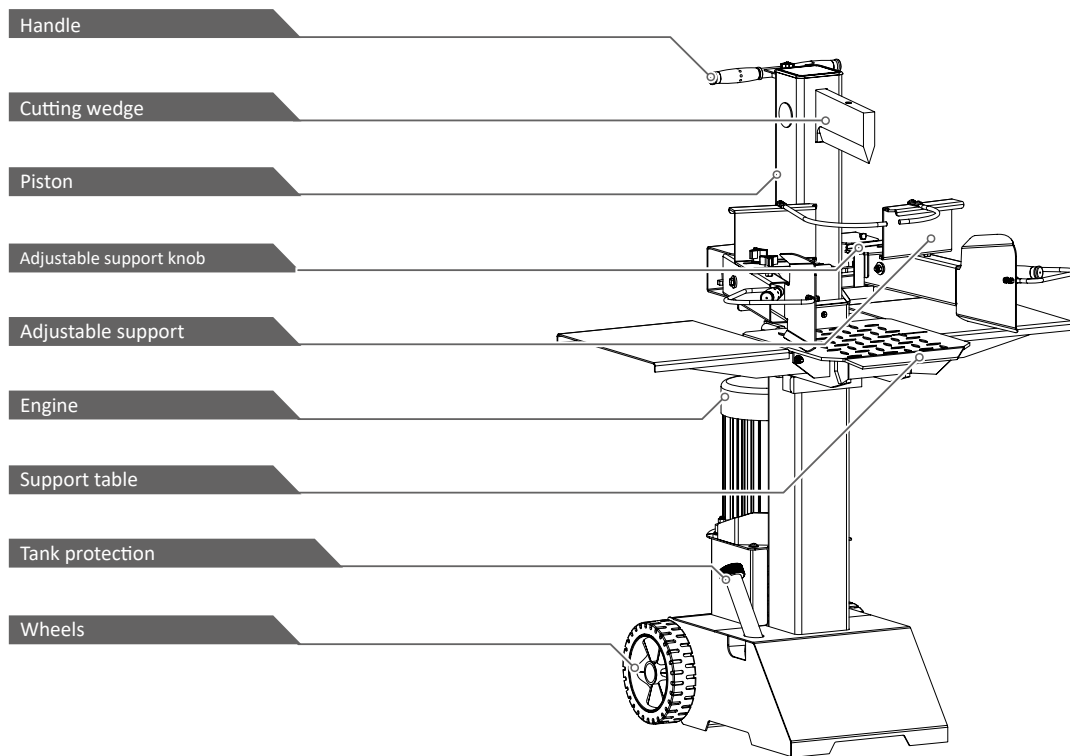
Check both sides after assembly. The control levers must be placed in the slots of the supports.

Adjustable log support

Secure the clamps in the protection with star knobs and flat washers. Each knob with three flat washers.

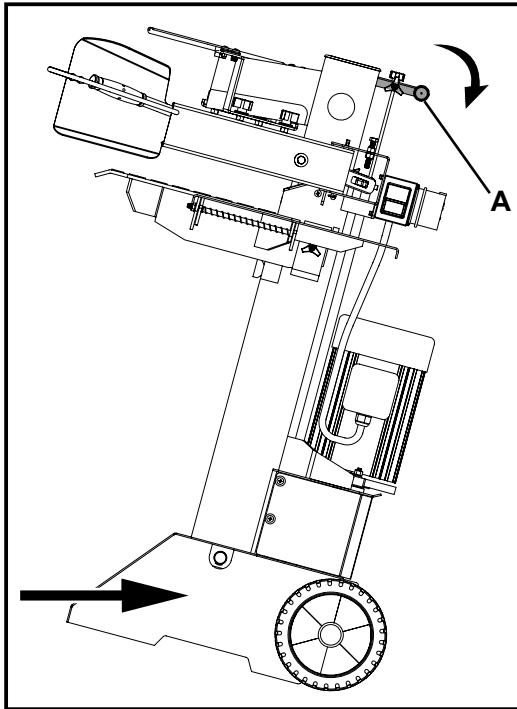


KNOW YOUR MACHINE

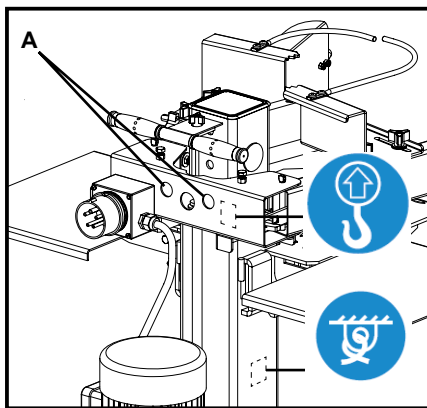


TRANSPORT

The log splitter is equipped with 2 wheels for small movements and to move the log splitter to the work site. Grab the handle (A) to tilt the log splitter slightly after making sure the oil tank cap is tightly closed.



DELIVERY OF THE LOG SPLITTER



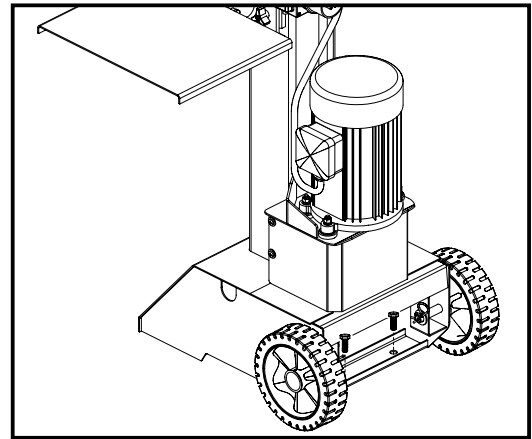
If using a crane, lifting chains at the lifting point (A).



For long-distance transport, secure the log splitter in position with appropriate signs after loading it onto the truck, to prevent it from moving freely during transport.

CUTTING OPERATION

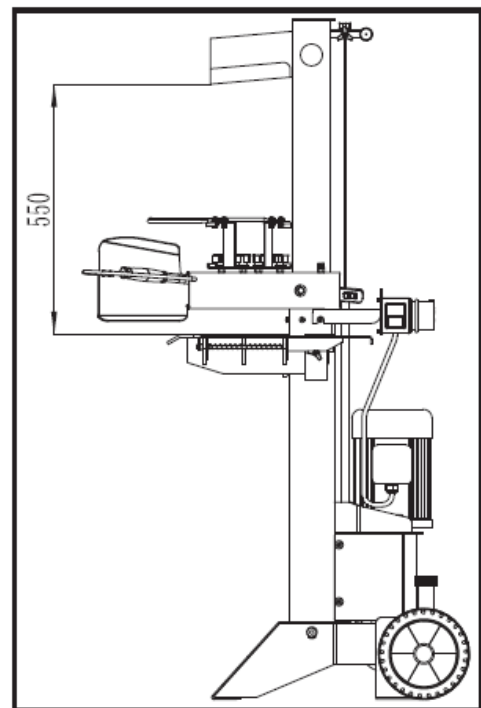
Before use, secure the machine to the ground using M10X30 bolts.



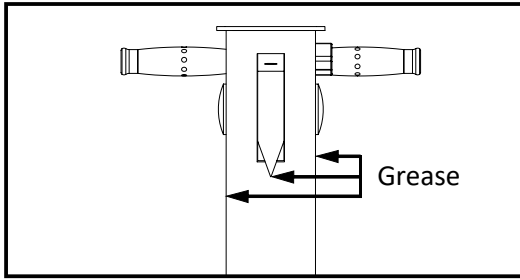
1. Organize the workplace. Work safely and optimize time by planning the job. Keep the logs positioned where they can be easily reached. Prepare a place to stack the cut wood or load it onto a truck or carrier nearby.
2. Prepare the wood for cutting. This log splitter can cut logs up to 105cm in length. When Branches or large parts are cut, do not cut sections longer than 105cm.



Do not attempt to cut green logs. Dry and seasoned logs are easier to cut and do not jam frequently.



3. Before starting the engine, apply a thin layer of grease to the surface of the piston to extend its lifespan.

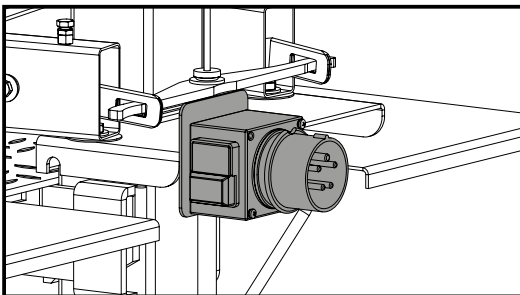


4. Connect the power socket to the log splitter securely to prevent it from being an obstruction or from being damaged when the machine is in operation. Avoid compressing or pulling the cord as well as letting it come into contact with corrosive agents.

5. Open the vent valve. Loosen the oil tank cap by a few turns before using the log splitter. Screw it back on after finishing the work.

For model #65584 only:

*6. Make sure of the direction of the engine rotation. Turn on the engine, the piston should automatically reach the highest position. If the piston is already at the highest position when the engine is turned on, take both control levers and lower them, the piston should start moving downwards.



If there is no piston movement after the engine is started, turn off the engine immediately to change the engine polarity by moving the pole conversion device inside the plug with a screwdriver.



Do not let the engine run counterclockwise. This damages the pump and voids the warranty.

7. When using the log splitter at extremely low temperatures, let the engine run idle for 15 minutes so that the oil can warm up.

8. Before starting work, check that the control levers work properly by following the procedure below:

- (1) By lowering the control levers, the cutting wedge should lower to within 5 cm from the work surface.
- (2) By releasing only one of the levers, the cutting wedge should remain in its current position.

(3) By releasing both levers, the piston should automatically return to the fully extended position.

9. Follow the procedure below to set the piston stroke:

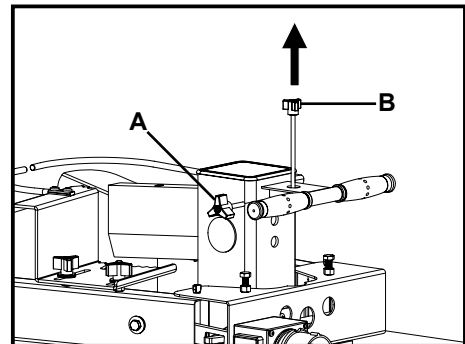
- (1) Keep in mind that the starting position of the piston stroke should be about 3-5 cm away from the log to be cut.

(2) Release one of the control levers or turn off the engine.

(3) Unscrew the locking screw (A) with an Allen key. Lift the adjustment rod (B) until the adjustment rod (B) begins to be stopped by the spring inside. Screw the screw (A) back in.

(4) Release both control levers and start the engine.

(5) Check the maximum extension of the cutting wedge.

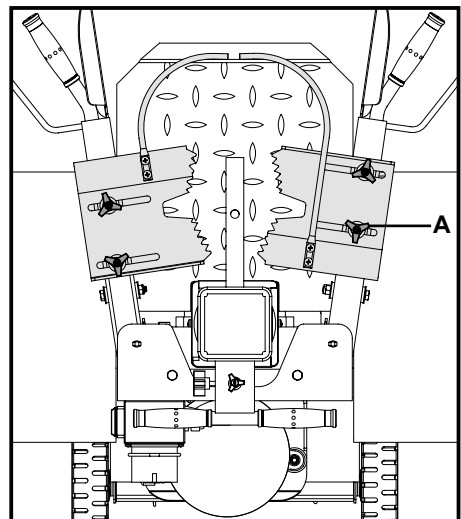


10. Place a log on the cutting platform. The log must be placed on the work surface in a vertical and stable position. Make sure that the wedge and the work surface adhere to the surface of the log. Never attempt to cut a log that has not been properly centered on the work surface.

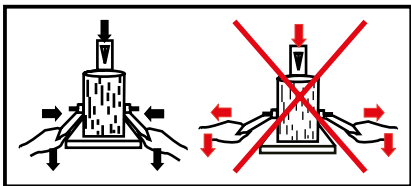


Cut the logs lengthwise along the wood fibers. Placing a log in the opposite direction could create dangerous situations and could damage the machine.

11. Adjust the position of the log holding supports (A) according to the width of the log itself to ensure optimal grip of the control levers.



12. Handle the log by gripping it with the holding bars located on the control levers. By lowering the levers, the cutting wedge will start to make the cut, while releasing one of the two levers will stop it. By releasing both levers, the cutting wedge will return to its fully extended position.



13. Stacking the logs will keep the work area safer as it will be clearer and, furthermore, will avoid the risk of accidental falls or damage to the power plug.



Accumulated logs and chips can create an unsafe work environment. Do not work in a cluttered environment in order to avoid the risk of slipping, tripping, or falling.

OIL REPLACEMENT

The hydraulic system is a closed circuit consisting of an oil tank, oil pump, and control valves. Periodically check the oil level with the oil filler cap. A level that is too low could damage the machine. The recommended oil level is between 1-2 cm below the upper limit. Completely drain the oil every year.

- Make sure all moving parts and the engine are stopped.
- Make sure there is no dirt or deposits in the tank.
- Drain the used oil or recycle it.
- After replacing the oil, run the log splitter empty several times before resuming work.

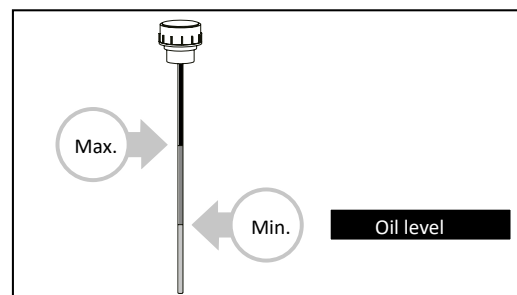
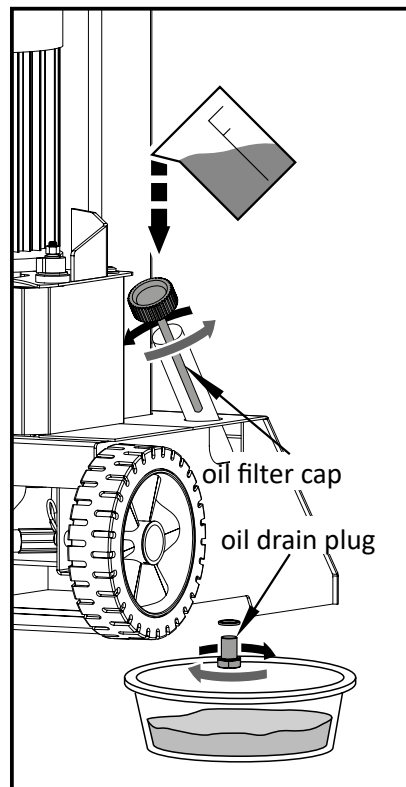
The following hydraulic oils or equivalents are recommended for the hydraulic transmission system of the log splitter:

SHELL Tellus 22

MOBIL DTE 11

ARAL Vitam GF 22

BP Energol HLP-HM 22

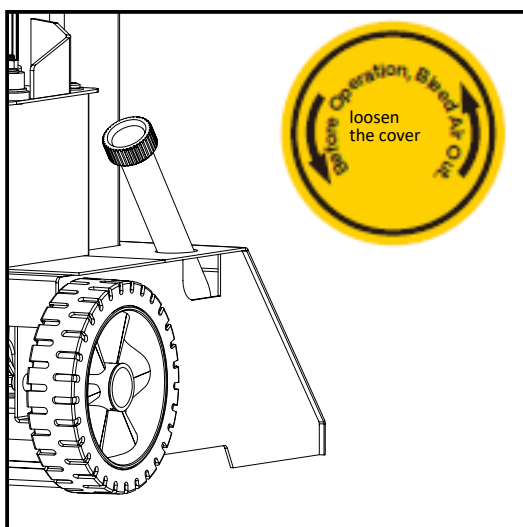


Read the dipstick to determine the maximum and minimum oil levels. Too little oil can damage the oil pump. Too much oil can cause excessive temperatures in the hydraulic transmission system.

SHARPEN THE BLADE

The log splitter is equipped with a reinforced cutting wedge whose blade has been specially treated. After long periods of use, and if necessary, sharpen the blades using a fine-toothed file to remove burrs or notches.

Use a cloth to remove all particles of used oil.



TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	SUGGESTED SOLUTION
The engine does not start	There is no power in the socket	Check the power cable
	Damaged electrical connections	Disconnect them, check them, and replace them.
	Incorrect connections 3~400V	5-connections at 1.5mm diameter.
	Broken switch	Have it checked by an electrical technician
Incorrect direction of motor rotation	Incorrect connection	Change the pole conversion device in the plug with a screwdriver.
		Have an electrician reverse the polarity
The log splitter does not work while the engine is running	The valve does not open due to loose fittings.	Check and tighten the fittings
	Bent control levers or joints	Repair the bent parts
	Low hydraulic oil level	Check and refill the oil.
The log splitter moves with vibrations and abnormal noises	Low hydraulic oil level	Check and refill the oil

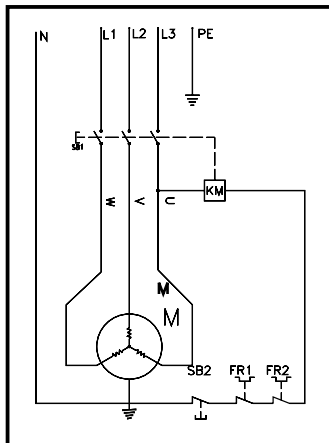
* The shaded sections refer to model #65584.



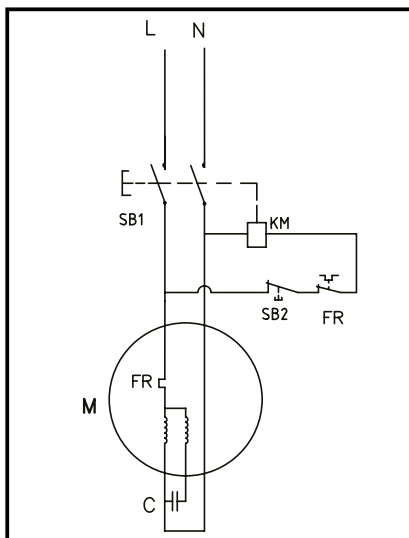
WARNING: ALL REPAIRS MUST BE CARRIED OUT BY A QUALIFIED SPECIALIST.

WIRING DIAGRAM

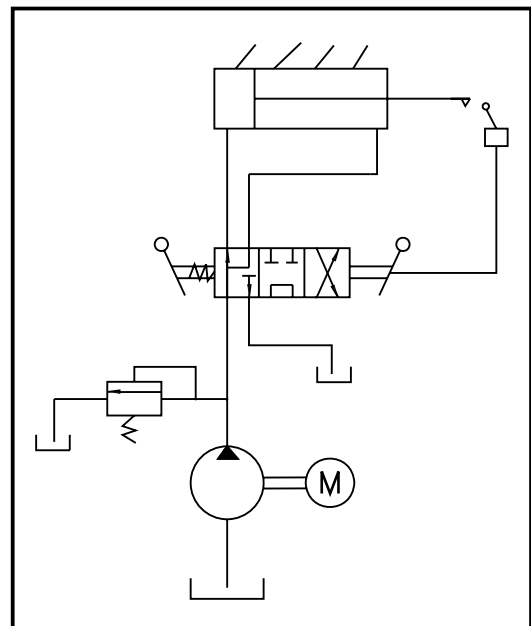
FOR MODEL #65584:

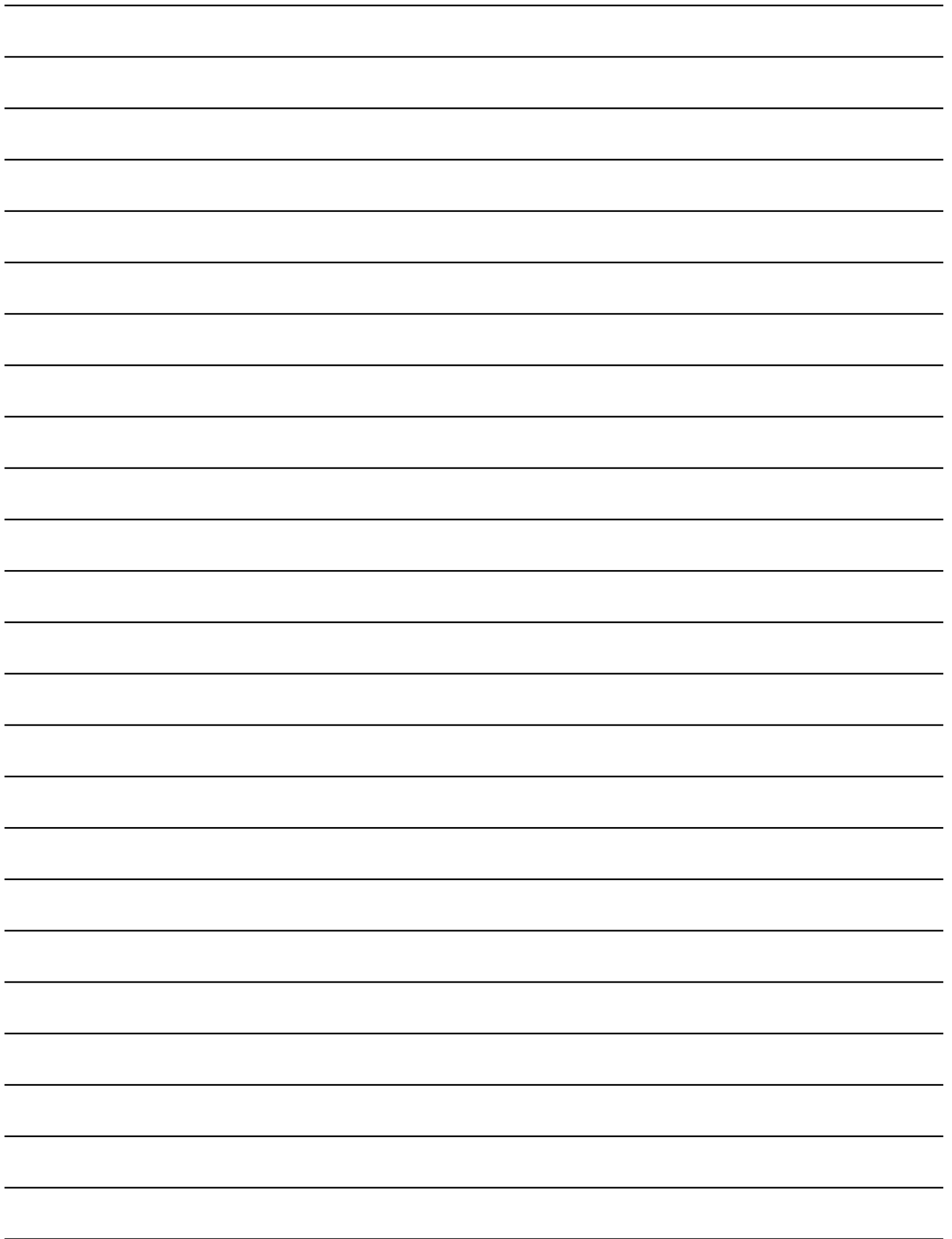


FOR MODEL #65584:



SYSTEM DIAGRAM HYDRAULIC





EC DECLARATION OF CONFORMITY - HERSTELLERERKLÄRUNG - DECLARATION 'CE' DE CONFORMITE - DECLARACION DE CONFORMIDAD - DICHIARAZIONE DI CONFORMITA' EUROPEA - GELIJKVORMIGHEIDSVERKLARING - EC DEKLARATION I OVERENSSTEMMELSE - DECLARAÇÃO CE DE CONFORMIDADE - EY ILMOITUS - FORSAKRAN OM OVERENSSTAMMELSE - BEKREFTENDE EU ERKLÆRING - ΔΗΛΩΣΗ ΕΚ ΣΥΜΜΟΡΦΩΣΗΣ - EUROPEJSKA DEKLARACJA ZGODNOSCI

1) MANUFACTURER - HERSTELLER - FABRICANT - FABRICANTE - COSTRUTTORE - CONSTRUCTEUR - PRODUCENT - FABRICANTE - VALMISTAJA - TILLVERKARE - FABRIKANT - Κατασκευαστής - PRODUCENT:

Blue Bird Industries Fabbrica Motori SRL
Via Due Camini 19, 36010 Zanè (VI)

2) DESCRIPTION OF THE MACHINERY - BESCHREIBUNG DER MASCHINE - DESCRIPTION DE LA MACHINE - DESCRIPCION DE LA MAQUINARIA - DESCRIZIONE DELLA MACCHINA - BESCHRIJVING VAN DE MACHINE - BESKRIVELSE AF MASKINEN - DESCRIÇÃO DA MAQUINA - KONEEN NIMITYS - MATERIELSLAG - BESKRIVELSE AV MASKINERIE - ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΜΗΧΑΝΩΝ - OPIS MASZYN:
SPACCALEGNA - LOGSPLITTER

a) MAKE - FABRIKAT - MARQUE - MARCA - MERK - MÆRKE - MARCA - MERKKI - FABRIKAT - FABRIKANT - MAPKA - MARKA:

BLUE BIRD INDUSTRIES

b) TYPE / TYP / TYPE / TIPO / TIPO / TYPE / TYPE / TIPO / MALLI / TYPBE / TYPE / TYÖO / TYP:

LSE 7000
LSE 8000
LSE 11000

c) Il prodotto è conforme alle direttive - The product complies with the directives - Das Produkt entspricht den Richtlinien - Le produit est conforme aux directives - El producto cumple con las directivas:

- 2006/42/EC - 2014/30/EU - 2000/14/EC (2005/88/EC) - 2011/65/EU - 2015/863/EU

d) REFERENCE TO STANDARDS/HARMONIZED STANDARDS - VERWEIS AUF NORMEN/HARMONISIERTE NORMEN - REFERENCE AUX NORMES/NORMES HARMONISEES - REFERENCIA A ESTANDARES/ESTANDARES ARMONIZADOS - RIFERIMENTO ALLE NORME/NORME ARMONIZZATE - REFERENTIE NAAR STANDAARDEN/GEHARMONISEERDE STANDAARDEN - REFERENCE TIL STANDARDER/HARMONISEREDER STANDARDER - REFERENCIA AS NORMAS/NORMAS HARMONIZADAS - VITTAUS STANDARDEIHIN/YHTEISIIN STANDARDEIHIN - REFERERANDE TILL STANDARDER/HARMONISERADE STANDARDER - HENVISNING TIL STANDARD/FELLES STANDARD - ΑΝΑΡΩΠΑ ΕΕ ΕΕΟΜΕΝΑ/ΕΝΑΡΜΟΝΙΕΜΕΝΑ ΕΕΟΜΕΝΑ - ODNIESIENIE DO NORM/NORM ZHARMONIZOWANYCH:

UNI EN 12100:2010 EN 609-1:1999+A1:03+A2:09 EN 60204-1:2006+A1:2009 EN 55014-1:2006/+A1:2009/+A2:2011 EN 55014-2:1997/+A1:2001/+A2:2008
EN 61000-3-2:2006/+A1:2009/+A2:2009 EN 61000-3-11:2000

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