



ORIGINAL INSTRUCTIONS

ELECTRIC LOG SAW

RACSB2652



RACING

32, rue Aristide Bergès - ZI 31270 Cugnaux – France



DESCRIPTION OF THE SYMBOLS

The use of symbols in this manual is intended to draw your attention to possible risks. The safety symbols and the explanations that accompany them must be perfectly understood. The warnings in themselves do not remove the risks and cannot replace correct actions for preventing accidents.



Read the operator's manual.

Before any use, refer to the corresponding paragraph in the present manual.



This symbol, before a safety comment, indicates a precaution, a warning or a danger. Ignoring this warning can lead to an accident for yourself or for others. To limit the risk of injury, fire, or electrocution always apply the recommendations indicated.



Risk of electric shock! Risk of personal injury by electric shock.



Wear ear protection, eye protection, helmet, mask, non-skid footwear, gloves and face protection



Saw blade for cutting wood.



Do not use for face grinding.



Do not use in the rain or leave outdoors while it's raining.



Keep your hands away from blade and cracks which open in the log;



Always switch off the appliance, disconnect the power and wait till the machine comes to a standstill prior to maintenance, cleaning or repair work!



Keep children away.



The unit must be always operated by one person only. Other people should keep a safe distance from the work area, especially when the log saw is under operations. Never use another people to help you with freeing jammed log.



Conforms to European standards.



The crossed-out wheeled bin symbol indicates that the item should be disposed of separately from household waste. The item should be handed in for recycling in accordance with local environmental regulations for waste disposal. By separating a marked item from household waste, you will help reduce the volume of waste sent to incinerators or land-fill and minimize any potential negative impact on human health and the environment.

SPECIAL SAFETY WARNINGS

Observe the permissible dimensions of logs to be cut (see “Technical Specifications”).

Never cut several workpieces at the same time – and also no bundles containing several individual pieces. Risk of personal injury if individual pieces are caught by the saw blade uncontrolled. Never cut log containing the following:

- ropes
- cords
- cables
- wires

Do not overload machine – use it only within the performance range it was designed for (see “Technical specifications”).

Use this machine outdoor only.

GENERAL SAFETY WARNINGS

When using this machine observe the following safety instructions, to exclude the risk of personal injury or material damage.

Please also observe the special safety instructions in the respective chapters; where applicable, follow the legal directives or regulations for the prevention of accidents pertaining to the use of circular saw.



General hazards!

1. Be alert. Know what you are doing. Set out to work with reason. Do not operate machine while under the influence of drugs, alcohol or medication.
2. Keep your work area tidy – a messy work area invites accidents.
3. Regularly clear the work area of the cut logs.
4. Prevent adverse body positions. Ensure firm footing and keep your balance at all times.

5. Consider environmental effects:

Provide proper lighting.

Do not operate machine near inflammable liquids or gases.

This machine shall only be started and operated by a person familiar with circular saw and who is at all times aware of the dangers associated with the use of such machine.

Keep bystanders, particularly children, out of the danger zone. Persons under 18 years of age shall use this machine only in the course of their vocational training, under the supervision of an instructor.

Do not permit other persons to touch the machine or power cable while it is running.

6. During operation the machine is standing on level, horizontal ground and that the floor area around the machine is level, well maintained and free from loose material e.g. chips and off-cuts.

7. Stock and finished workpieces to be located close to the operators normal working position.

8. The wear of suitable personal protective equipment when necessary; This may include:

- Hearing protection to reduce the risk of induced hearing loss;
- Respiratory protection to reduce the risk of inhalation of harmful dust;
- Gloves for handling saw blades (saw blades should be carried in a holder wherever practicable).

9. Stop the machine running whilst unattended.

10. Report faults in the machine, including guards or saw blades, as soon as they are discovered.

11. Adopt safe procedures for cleaning, maintenance and remove chips and dust regularly to avoid the risk of fire.

12. Follow manufacturer's instructions for use, adjustment and repair of saw blades.

13. Observe the maximum speed marked on the saw blade.

14. To use correctly sharpened saw blades.

15. Refrain from removing any off-cut or other part of the workpiece from the cutting area whilst the machine is running except by using a push stick.

16. Use the saw blades designed to reduce the emitted noise.

17. Ensure that guards and other safety devices necessary for machine operation are in position, in good working order and properly maintained.

18. The saw blade made in conformity to EN847-1: 2013 shall be used on the machine.

19. Never dismantle the machine's safety devices or render them inoperative.

20. To rectify faults or remove jammed pieces of wood, always switch off the machine first. Pull the power plug!

21. Refit all guards and safety devices immediately after you have completed any repairs or maintenance work.

22. The circular saw has to be connected to a 230 V socket with a 16 A fuse.

23. Make sure you stand squarely and keep your balance at all times.

24. Each time before re-using the tool, carefully check that the guards or parts are working as intended.

25. Check that the moving parts are in good working order, that they do not jam, and that no parts are damaged. Make sure that all parts are fitted correctly and that all other operating conditions are properly fulfilled.

26. Have damaged switches replaced by a customer service workshop.

27. Use only the transport devices to move the machine. Never use the guards for handling and moving the machine.

28. All operators must receive proper training in the use, adjustment and operation of the machine.

29. Make sure that the flanges used are as specified by the manufacturer, suitable for the intended use.

30. Make sure you include that necessary for operating the machine guards and other safety devices are fitted, they are in good operating condition and properly maintained.

31. Do not use circular saw blades made of high-alloy high-speed steel



Danger! Risk of electric shock!

To ensure the machine remains weatherproof, before any use check to see that the switch, power cable or plug are not damaged (no cracks, etc.)

Do not use the power cable for any purpose it is not intended for.



Risk of personal injury and crushing by moving parts!

Do not operate the machine without installed guard.

Keep sufficient distance to driven components when operating the machine.

Ensure the machine is disconnected from power supply before servicing.

Ensure that when switching on (e.g. after servicing) no tools or loose parts are left on or in the machine.

Turn power off if the machine is not used.



Hazard generated by modification of the machine or use of parts not tested and approved by the equipment manufacturer!

Use only parts approved by the equipment manufacturer. This applies particularly to :

- Saw blade (see "Technical specifications")
- ON/OFF switch (type: KOA7)
- Motor (type: YY90-2-1)

Do not change any parts.



Hazard generated by machine defects!

Keep machine and accessories in good repair. Observe the maintenance instructions.

Before any use check machine for possible damage: before operating the machine all safety devices, protective guards or slightly damaged parts need to be checked for proper function as specified. Checked to see that all moving parts work properly and do not jam. All parts must be correctly installed and meet all conditions necessary for the proper operation of the machine.

Damaged protection devices or parts must be repaired or replaced by a qualified specialist. Have damaged switches replaced by a service center. Do not use this machine if the switch can not be turned ON or OFF.

Keep handles free of oil, grease and resin.



Hazard generated by dust

Pay attention to the factors that influence exposure to dust, this includes:

- Type of material being machined
- Importance of local extraction (capture at source)
- Proper adjustment of hood / baffles / chutes

A The machine should be checked whether inner and outer blade cover, left and right side table moving cover, inner and outer flange of blade and blade are proper before operation.

B Pushing the moving worktable forward and check whether left and right table moving cover and inner and outer blade touch each other so as to avoid unnecessary damage, while the log saw is working after turning-on the power.

C Please turn off the power supply after using, cleaning the machine, save at dry airiness place.

Remove plug from mains before maintenance or if cord is damaged

WARNING! Electricity - Risk of electric shock.

Warning symbol

Use a protection for face

SAFE WORKING PRACTICE

It is essential all operators are:

- Adequately trained in the use, adjustment and operation of the machine;
- Instructed in factors that influence exposure to noise e.g.:
 - saw blade designed to reduce the emitted noise;
 - saw blade and machine maintenance.
- Informed of factors that influence exposure to dust e.g.:
 - type of material being machined;
 - importance of local extraction(capture at source);
 - proper adjustment of hoods/baffles/chutes;
 - where provided, dust extraction equipment to be switched on before commencing machining.

It is important that:

- During operation the machine is standing on level, horizontal ground and that the floor area around the machine is level, well maintained and free from loose material e.g. chips and off-cuts;
- Adequate general or localized lighting is provided;
- Stock and finished workpieces are located close to the operator's normal working position.

It is essential for the operator to:

- Use a push block or push stick to avoid working with the hands close to the saw blade when using a dual purpose circular sawing machine for firewood/circular saw bench in the saw bench mode;

- Wear suitable personal protective equipment when necessary; this could include;
 - hearing protection to reduce the risk of induced hearing loss;
 - respiratory protection to reduce the risk of inhalation of harmful dust;
 - gloves for handling saw blades (saw blades should be carried in a holder wherever practicable);
- Refrain from cross cutting logs on a machine in the saw bench mode;
- Stop the machine running whilst unattended;
- report faults in the machine, including guards or saw blades, as soon as they are discovered;
- Adopt safe procedures for cleaning, maintenance and remove chips and dust regularly to avoid the risk of fire;
- follow manufacturers instruction for use, adjustment and repair of saw blades;
- Select the correct riving knife, depending on the saw blade thickness, when using a dual purpose circular sawing machine for firewood/circular saw bench in the saw bench mode;
- Observe the maximum speed marked on the saw blades;
- Use correctly sharpened saw blades;
- Ensure that any spacers and spindle rings used are suitable for the purpose as stated by the manufacturer;
- refrain from removing any off-cut or other part of the workpiece from the cutting area whilst the machine is running except by using a push stick;
- Ensure that guards and other safety devices necessary machine operation are in position, in good working order and properly maintained.

RESIDUAL RISK

The following risks are inherent to the use of these machines:

- Injuries caused by touching the rotating parts
- Injuries caused by disruption of the cutting blade

These risks are most evident:

- Within the range of operation
- Within the range of the rotating machine parts

In spite of the application of the relevant safety regulations and the implementation of safety devices, certain residual risks cannot be avoided.

These are:

- Impairment of hearing.
- Risk of accidents caused by the uncovered parts of the rotating cutting blade.
- Risk of injury when changing the blade.
- Risk of squeezing fingers when opening the guards.
- Braking should be verified every before use, running the machine, switch off then check the stopping time.

- Only saw blades made in conformity to EN 847-1:1997 shall be used on the machine;
- The machine during indoor use shall be connected to an external chip and dust extraction system;
- A Residual Current Device (RCD) should be used

INTENDED USE

This machine is only intended for cutting firewood as detailed in these instructions. Unspecified use, modifications to the machine, or use of parts not tested and approved by the equipment manufacturer may cause unforeseeable damage!

This machine is intended for operation by ONE person. Other persons shall keep a sufficient distance to the machine.

TECHNICAL SPECIFICATIONS

| | |
|---------------------------|--------------------------|
| Voltage | 230V~ 50Hz |
| Protection class | IP54 |
| Power input | 2600W (S6, 40%) |
| Rated speed | 2800 min ⁻¹ |
| Saw blade | Ø505 × Ø30 × 3.6mm x 40T |
| Cutter Capacity | Ø30-170mm |
| Machine weight | 76kg |
| Sound pressure level LpA: | 91 dB(A) K=2 dB(A) |
| Sound power level LwA: | 105 dB(A) K=2 dB(A) |

Measured sound values determined according to EN ISO 3744

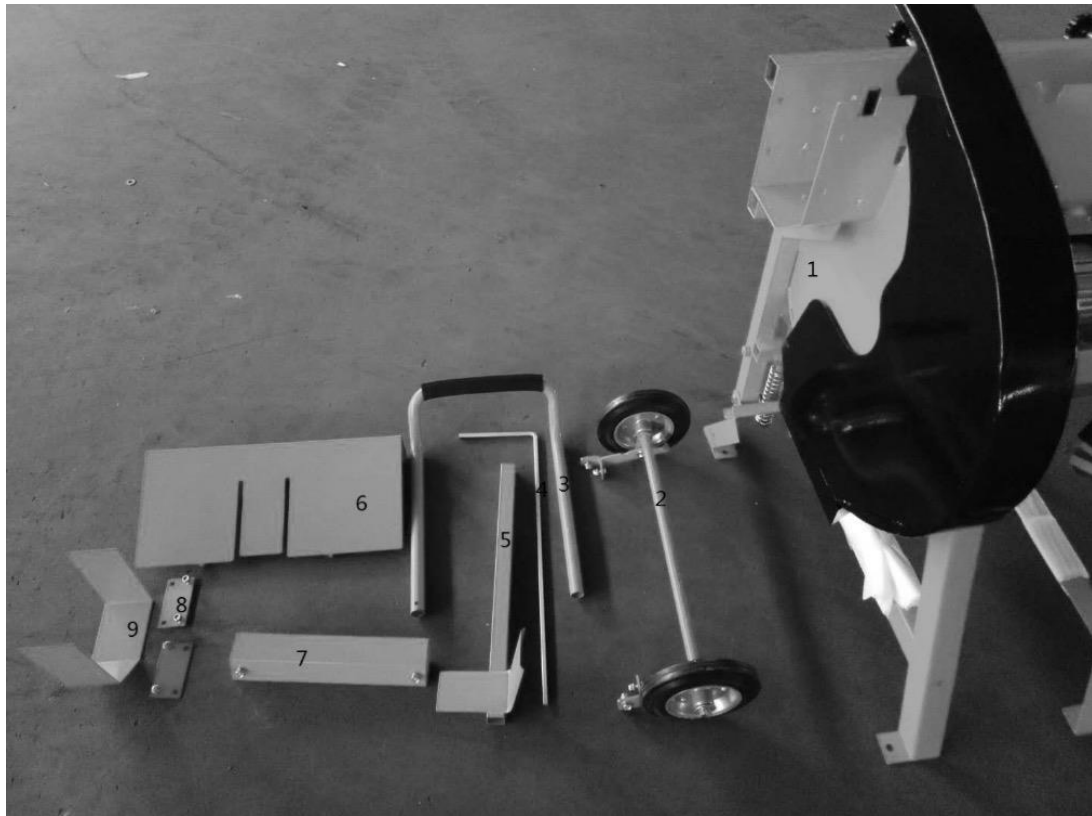
The noise figures quoted are emission levels and are not necessarily safe working levels. Whilst there is a correlation between the emission and exposure levels, this cannot be used reliably to determine whether or not further precautions are required. Factors that influence the actual level of exposure of work-force include the characteristics of the work room, the other sources of noise, etc. i.e. the number of machines and other adjacent processes, and the length of time for which an operator is exposed to the noise. Also the permissible exposure level can vary from country. This information, however, will enable the user of the machine to make a better evaluation of the hazard and risk.

Wear hearing protection!

Pay attention to the factors that influence exposure to noise, this includes:

- Use saws blades designed to reduce the emitted noise
- Maintain saw blade and the machine properly

1. Open package and take out all parts. (see picture 1)



Picture 1

- 1. Main machine
- 2. Wheel parts
- 3. operating handle
- 4. ruler bar
- 5. wood supporter
- 6. cover for working table
- 7. weight balancer
- 8. connect plate for working table
- 9. working table

2. Disassemble the spring pipe (see picture 2) to put it into the right fixer, screw it with M18 anti-loose nut (see picture 4).



Picture 2



Picture 3



Picture 4

3. Assemble the wheel parts. Firstly disassemble all screws and nuts on it. Then connect it with the frame and tighten all screws and nuts (see picture 5 and picture 6).



Picture 5



picture 6

4. Assemble the vice working table. Firstly use four M8X15 large semicircular head square neck bolts to assemble the connect plate for vice working table on main working table , secondly use four M8X15 large semicircular head square neck bolts to assemble vice working table on connect plate (see picture 7 and picture 8).



Picture 7



Picture 8

5. Assemble the working table cover. Insert the rotating block on cover into the corresponding fixing block on working table and fix it with M4x8 cross countersunk head screw (see picture 9).



Picture 9

6. Assemble the operating handle. Put it into the right holes on working table and tighten the rotary knobs after get a comfortable height (see picture 10) .



Picture 10

7. Assemble the wood supporter and ruler bar , put them into corresponding holes (see picture 11 and picture 12) .



Picture 11



picture 12

Sawing

1. Turn on the machine.
2. Wait until the saw blade has reached full speed.
3. Put the wood on the rocker.
4. Take hold of handle bar of the rocker with both hands and lead it evenly to the saw blade; thus the saw blade is revealed.
5. Push the rocker evenly to ensure the engine speed does not drop.
6. Remove the sawn wood from the rocker before putting on the next piece.

Safe removal of possible blocking

Unplug the machine.

Check it and localize the blocking.

Remove the blocking while considering all safety instructions.

Check the machine visually and make sure it is not damaged. In particular, the saw blade must not show any sign of damage.

MAINTENANCE

- **Warning:** Turn off the machine and disconnect from the power supply before conducting maintenance work or settings.
- **Wear goggles when cleaning the machine.**
- Handle your device carefully and out of reach of the children.
- Have your tool repaired by a qualified person. This power tool complies with the applicable safety standards. Repairs should be performed only by qualified persons using original spare parts, otherwise this may make the use extremely dangerous.
- Use only the blade recommended by the manufacturer for this model. If a blade is damaged, it must only be repaired by the manufacturer or qualified persons.
- Use only well-sharpened, crack-free and not distorted blades.
- Use only blades that comply with the European standard EN 847-1.
- Ensure that there are no tools or other materials on or in the machine before putting it into operation.
- Exchange immediately rocker that run out.

Before and after each use

- Check the blade
- Make the air vents are never obstructed by debris or accumulation of other objects, as this may damage the engine or cause a fire risk.
- Clean your tool, using a damp cloth and a soft brush. Never clean the product with water and never immerse it in liquid. Never use solvents or detergents as this may damage the plastic parts of the product.
- Check all safety
- Remove possible sawdust blockages at the discharge.

Every 50 hours of operation

- Check all screwed connections, tighten if necessary (Rocker and rocker stop must remain movable)

STORAGE

- **Store the manual close to the machine.**
- Always wait the appliance cool down before storage.
- Always store the log saw in a dry area.
- Wipe the log saw clean with a brush. Apply a thin layer of oil using an oily cloth to protect the machine from rust, before storage.

TROUBLESHOOTING TABLE

Warning: In the interests of operational safety, always switch off the saw and remove the mains plug before carrying out maintenance work.

| Problem | Possible Cause | Help |
|--|---|---|
| Saw blade gets loose after turning off the motor | Fastening nut tightened insufficiently | Tighten fastening nut, M20 left-handed thread |
| Motor does not start | a) Failure mains fuse b) Extension cable defect c) Connections on the motor or switch defect d) Motor or switch defect | a) Check the mains fuse. b) Replace extension cord c) Have a mechanic check by a professional d) Have a mechanic by a professional |
| No motor output turns off automatically | Overload by dull saw blade, thermo protection is triggered | Insert a sharpened saw blade; motor can be turned on again after the cooling period |
| Burns on the cutting surface | a) Fastening nut tightened insufficiently b) Wrong saw blade | a) Insert a sharpened saw blade b) Insert saw blade with 20 or 28 teeth for longitudinal cuts |



EC Conformity declaration
RACING

ZI, 32 rue Aristide Bergès – 31270 Cugnaux - France
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The undersigned, hereby certifies that the units described below
ELECTRIC LOG SAW
Model: RACSBE2652

S/N:

is in compliance with the provisions of the following European directives:

2014/30/EU " Electromagnetic Compatibility "

2006/42/EC "Machinery"

2011/65/EU "ROHS"

And to the following standards:

EN55014-1: 2017

EN55014-2 :2015

EN61000-3-2: 2014

EN61000-3-11: 2000

EN 1870-6: 2017

EN 60204-1: 2006/A1: 2009

EC-type certificate number: **No. M6A 058058 0434**

Notified Body: No 0123

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The people name holding the technical file: Mr. Olivier Patriarca

Cugnaux, 24/05/2019

Philippe MARIE / PDG