

Electric chainsaw

DAC 320EL



1. INTRODUCTION	2
2. SAFETY INSTRUCTIONS	2
3. TECHNICAL DATA	5
4. GENERAL PRESENTATION OF THE MACHINE	5
5. ASSEMBLY	5
6. COMMISSIONING	7
7. RULES OF USE	7
8. GENERAL WORKING INSTRUCTIONS	9
9. MAINTENANCE AND TROUBLESHOOTING	10
10. DECLARATIONS OF CONFORMITY	11

1. INTRODUCTION

Dear Client!

Thank you for your decision to purchase a RURIS product and for your trust in our company! RURIS has been on the market since 1993 and during all this time it has become a strong brand, which has built its reputation by keeping promises, but also by continuous investments aimed at helping customers with reliable, efficient and quality solutions.

We are confident that you will appreciate our product and enjoy its performance for a long time. RURIS does not offer its customers only machines, but complete solutions. An important element in the relationship with the customer is advice both before and after the sale, as RURIS customers have at their disposal a whole network of partner stores and service points.

To enjoy the purchased product, please read the user manual carefully. By following the instructions, you will be guaranteed a long use.

The RURIS company is continuously working on the development of its products and therefore reserves the right to modify, among other things, their form, appearance and performance, without having the obligation to communicate this in advance.

Thank you once again for choosing RURIS products!









Customer information and support:




Phone: 0351.820.105

e-mail: info@ruris.ro

2. SAFETY INSTRUCTIONS

2.1. WARNINGS ON THE MACHINE

	Warning! Danger!		Attention , the recoil the chainsaw is dangerous !
	Careful! Danger of electric shock .		Switch off the machine and disconnect the plug from the mains before adjusting, cleaning or if the cable is damaged.
	Read the instruction manual before use.		The operator must wear Personal Protective Equipment (PPE). If the machine is in use, you must wear protective glasses against objects projected in the air, you must wear hearing protection such as an acoustically insulated helmet.
	Use protective gloves! .		Use boots or protective shoes !

	Use the chainsaw with both hands		Do not operate the chainsaw with one hand
	Do not expose the machine to the rain.		

2.2. WARNINGS

Before using the product

1. Before using our products, please read this manual carefully to understand how to use it.
2. Never use the chainsaw while under the influence of drugs that cause drowsiness or under the influence of alcohol or drugs.
3. Never mow in high winds, bad weather, or when visibility is poor or in extreme temperatures. Always check that there are no dry branches that could fall during cutting.
4. Use appropriate protective equipment, safety glasses, gloves and hearing protection. Do not wear loose clothing. Make sure hair, clothing and gloves are far enough away from moving parts. Loose clothing, jewelry and long hair can get caught in moving parts.
5. Do not allow other people to be in front of the chainsaw when starting the engine or cutting wood. Keep these people or animals away from the work area. Children, animals or other people must be at least 10m away when starting or operating the chainsaw.
6. Never start cutting until you have a clear work area, protective footwear and a planned fallback route.
7. Always hold the chainsaw securely with both hands when the engine is running.
8. Keep your body away from the chainsaw when the engine is running. Before starting the chainsaw, make sure that it is not in contact with any object.
9. Check the chainsaw before each use. Never use a chainsaw that is damaged, improperly adjusted, or not fully and securely assembled. Make sure the chain stops moving when the control brake is released.
10. Always stop the engine before putting the chainsaw down.
11. Be extremely careful when cutting small branches as they can get caught in the chainsaw and thrown towards you.
12. When cutting a live branch, be careful that it does not ricochet when the tension is released.
13. Beware of recoil. Kickback is the upward movement of the guide rail that occurs when the saw chain at the tip of the guide rail contacts an object. Kickback can result in loss of control of the chainsaw.
14. When transporting the chainsaw make sure you have the proper guard for the guide rail. Proper handling of the chain saw will reduce the likelihood of accidental contact with the chain.

AVOID CUTTING:

- ◆ Processed timber.
- ◆ Through soil.
- ◆ Wire fences, nails, etc.

2.3. GENERAL SAFETY WARNINGS FOR POWER TOOLS

Warning! Read all safety warnings and instructions. Failure to follow the warnings and instructions listed below may result in electric shock, fire and/or serious injury.

Retain all warnings and instructions for future reference. The term "power tool" in all warnings listed below refers to the mains powered (corded) power tool or the (cordless) battery powered power tool.

SAFETY IN THE WORK AREA

- a. Keep the work area clean and well lit.
- b. Do not operate power tools in explosive atmospheres, such as in the presence of explosive liquids, gases, or dusts. Power tools generate sparks that can ignite dusts or vapors.
- c. Keep children and bystanders away while operating a power tool. Distraction can lead to loss of control.

2.4. ELECTRICAL SAFETY

- a. The power tool plug must match the outlet. Never modify the plug in any way. Do not use plug adapters with grounded (grounded) power tools. The unmodified plug and compatible sockets will reduce the risk of electric shock.
- b. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- c. Do not mishandle the cable. Never use the cord to carry, pull or unplug the power tool. Keep the cable away from heat, oil, sharp edges or moving parts. Damaged or tangled cables increase the risk of electric shock.
- d. When operating a work tool outdoors, use an outdoor extension cord. Using a cable suitable for outdoor use reduces the risk of electric shock.
- e. If operating a power tool in a damp area cannot be avoided, use a power supply with residual current device (RCD) protection. Using an RCD reduces the risk of electric shock.

This tool features double insulation; therefore, no grounding is required.



Always check that the power supply matches the voltage on the specification sheet.

If the power cord is damaged, it must be replaced by the manufacturer or an authorized RURIS service point to avoid danger.

Safety recommendations

- a. We strongly recommend that first-time users of the tool receive hands-on training in chainsaw operation from an experienced user and use protective equipment. An initial practice should be done by sawing logs positioned on a trellis or cutting frame.
- b. Before use, always check that the recoil brake is working properly.
- c. We recommend that when transporting the chain saw, ensure that the brake is engaged and that the saw is facing backwards.
- d. Perform maintenance on the chain saw when not in use. Do not store the chain saw for short or long periods of time without first removing the saw chain and guide rail which must be kept immersed in oil. Store all chain saw components in a dry, safe place out of the reach of children.
- e. We recommend emptying the oil tank before storage.
- f. Make sure you have a stable position and plan ahead for safe evacuation in case of falling tree or branches.
- g. Use chocks to help control the fall and prevent the guide rail and saw chain from getting stuck in the cut.
- h. Saw chain care. Keep the saw chain sharp and securely fastened to the guide rail. Make sure the saw chain and guide rail are clean and free of oil. Keep handles dry, clean and free of oil and grease.

Using an extension cord

Always use an approved extension cord suitable for the power draw of this tool (see technical specifications). The extension cord must be suitable for outdoor use and must be properly marked. An extension cable with a cross-section of 2 X 1.5 mm² can be used up to 25 m long without affecting the performance of the product. Extension cords whose length is over 25 m must have a cross-section of at least 2.5 mm². Before use, inspect the extension cord for signs of damage, wear and aging. Replace the extension cord if it is damaged or defective. When using a cable reel, always unwind the cable completely.

Be careful not to get electrocuted!

Prevent body contact with grounded or grounded surfaces (eg metal rails, light poles, etc.). Electrical safety can be further improved by using a high-sensitivity (30 mA/30 mS) residual current device (RCD) protection.



Warning! The use of an RCD or other interrupting device does not exempt the chain saw operator from following the safety instructions and safe work practices provided in this manual.

Residual risks

Additional residual risks may occur during use of the tool, risks that may not be included in the attached safety warnings. These risks can be determined by incorrect use, prolonged use, etc.

Even with the application of appropriate safety regulations and the implementation of safety devices, certain residual risks cannot be avoided. These include:

- Injuries caused by touching rotating/moving components.
- Injuries caused when changing components, blades or accessories.

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-Injuries caused by prolonged use of a tool. When using a tool for extended periods, be sure to take breaks at regular intervals.

- Hearing impairment.

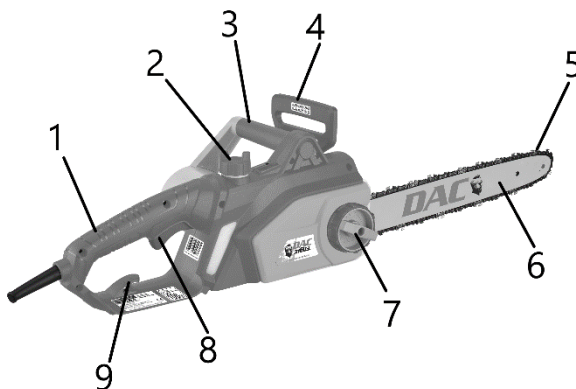
-Hazards to health caused by inhalation of dust resulting from the use of the tool (example - woodworking, especially oak, beech and MDF).

3. TECHNICAL DATA

Motor	Electric
Engine power	2000 W
Rail length	400 mm
Chain step	3/8 1.3 PM
Net weight with accessories	5.1 kg
Handle vibrations	7,618 m/s ² ; 4,633m/s ²
Warranty	24 months

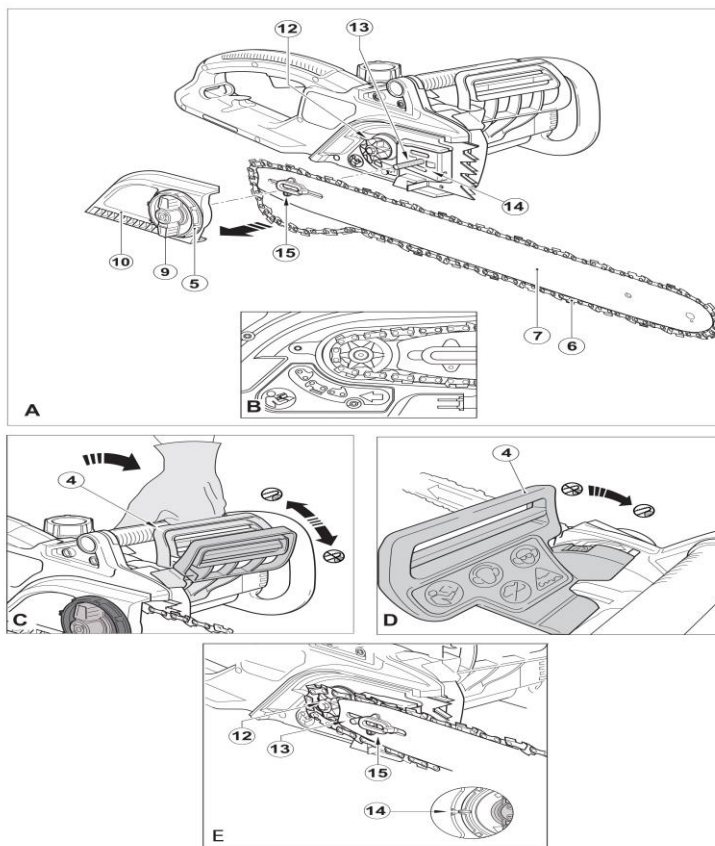
4. GENERAL PRESENTATION OF THE MACHINE

1. Rear handle
2. Oil tank cap
3. Front handle
4. Front guard/chain brake drive
5. Chain
6. Guide rail
7. Chain tensioning system
8. On/off switch
9. Cable support



The images are informative, the supplier reserves the right to make structural and functional changes to the machine presented in this manual.

5. MOUNTING



5.1 Fitting the guide rail and chain (fig. A – E).

1. Place the chain saw on a stable surface.
2. Install the front guard/chain brake assembly in the forward position (fig. D).
3. Completely loosen the chain tensioning nut (9) (fig. A).
4. Remove the chain cover assembly (10).
5. Make sure the marks (14) on the tension adjustment ring (5) are aligned.
6. Position the chain (6) on the guide rail (7) making sure the chain edges are on top of the guide rail (7) facing forward (fig. B).
7. Guide the chain (6) around the drive wheel (12). Place the guide rail (7) on the rail locating pins (13).
8. Warning! Make sure the front guard / chain brake assembly (4) is in the engaged (forward) position before refitting (fig. C).
9. Position the chain cover assembly (10) on the saw.
10. Turn the chain adjuster knob (9) to attach the chain cover assembly (10), but do not tighten completely.
11. Turn the chain tension adjustment ring (5) clockwise until the chain (6) is tight. Make sure the chain (6) fits around the guide rail (7).
12. Check voltage as described below. Do not squeeze too hard.
13. Tighten the chain adjustment lock knob (9).

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5.2 Checking and adjusting chain tension

Before use and at 10-minute intervals during use, you must check the chain tension:

1. Disconnect the tool from the power supply.
2. Gently pull the chain (6) as shown (fig. G). The tension is correct when the chain (6) springs back quickly after being pulled 3 mm away from the guide rail (7). There must be no play between the guide rail (7) and the chain (6) on the underside.

Note: Do not overstretch the chain as this will lead to excessive wear and shorten the life of the guide rail and chain (fig. G)

Note: When the chain is new, check its tension frequently (after disconnecting from the mains) during the first 2 hours of use because a new chain stretches easily.

To increase tension

1. Turn the chain adjustment lock knob (9) counterclockwise.
2. Stretch the chain using the chain tension adjustment ring (5) and turn it clockwise to tighten.
3. Tighten the chain adjustment lock knob (9).

Use

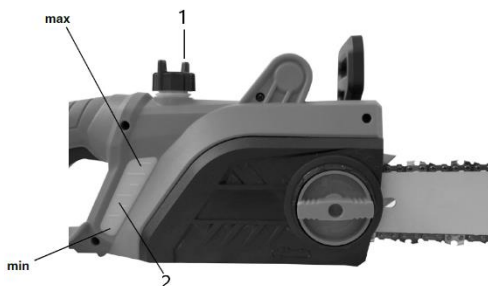
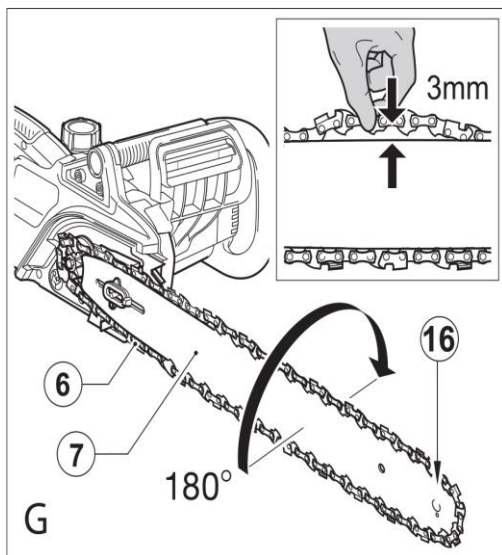
Warning! Let the tool work at its own pace. Do not overload.

Chain lubrication oil supply

1. Remove the oil cap (1) and fill the tank with RURIS M-Power oil. You can see the oil level on the oil level indicator (2).

Replace the oil cap (1).

2. Periodically check the tool and the oil level indicator; if it is below a quarter of the level, disconnect the chain saw from the power supply and top up with oil.



Note: Check the chain oil supply

After starting the engine, run at medium speed and make sure the chain oil is dispersed as shown in the adjacent figure.

6. PUTTING INTO SERVICE

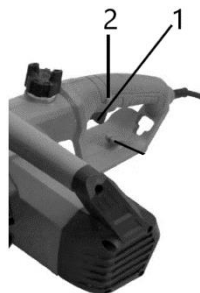
Switching

Note: It will not be possible to start the tool if the chain brake is engaged.

1. Connect the chainsaw to a single-phase power source.
2. Hold the chain saw firmly with both hands. Press the unlock button (2) and then press the on/off switch (1).
3. When the engine starts, take your thumb from the lock button (2) and firmly grasp the handle.

Do not force the tool, let the tool work properly. It will perform better and safer at the speed it was designed for. Excessive force will stretch the saw chain.

CAREFUL! After finishing the work, loosen the nut of the chain cover, to avoid possible failures that may occur in the sealing systems and the cutting gasket.



7. RULES OF USE

6.1 Before each use

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CAREFUL!

Before starting work, read the user manual. Cutting small logs is recommended. This also helps you get used to the product.



Always follow the safety rules. The chainsaw should only be used to cut wood. It is forbidden to cut other types of materials. Vibration and kickback vary with the material, and the requirements of the safety instructions would not be met. If the chainsaw is caught in the cut, do not try to force it out, use a wooden wedge or jack to open the slot.

The chainsaw is equipped with a chain brake, which will stop it in case of kickback, if operated properly. You must check the operation of the chain brake before each use by testing the chainsaw by pushing the front guard forward. The chain should stop immediately. Otherwise, contact an authorized RURIS service to remedy the problem.

It is not necessary to force the chainsaw to cut. Apply light pressure while the engine

is running at full throttle.

It is extremely important that the chain brake be checked for proper operation before each use and that the chain be sharpened to keep kickback at a safe level.

Removal of safety devices, improper maintenance, or incorrect replacement of the rail or chain can increase the risk of serious injury from kickback.

6.2 Kickback Prevention Measures**CAREFUL!**

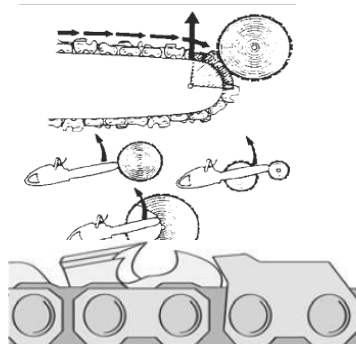
Kickback can occur when the tip of the guide rail contacts an object or when the wood closes and catches the chainsaw chain in the cut. Contact in the upper portion can cause a quick, reverse reaction that redirects the guide rail up and back toward the operator. If the saw chain is caught along the tip of the guide rail, it can be quickly pushed back toward the operator. Any of these reactions can cause you to lose control of the chainsaw, possibly resulting in serious injury.

Do not rely solely on the safety devices that come with your chainsaw. As a chainsaw user, you must take several precautions to protect yourself from accidents or injuries during use.

- 1) With a basic knowledge of recoil you can reduce or eliminate unpleasant elements that can occur.
- 2) Hold the chainsaw firmly with both hands, right hand on the rear handle and left hand on the front handle, when the engine is running. Hold the chainsaw handle firmly with your fingers. The firm grip will help reduce kickback and maintain control of the chainsaw.
- 3) Make sure the area you are cutting is clear of obstacles. Do not allow the guide rail head to come into contact with logs, branches, or any other obstructions that may be struck while operating the chainsaw.
- 4) Cut at high engine speeds.
- 5) Do not cut above chest level.
- 6) Follow the manufacturer's instructions for sharpening and maintaining your chainsaw.
- 7) Use only replacement tracks and chains specified by the RURIS manufacturer

Kickback protection

It is extremely important that the chain brake be checked for proper operation before each use and that the chain be sharpened to maintain kickback safety. Removal of safety devices, improper maintenance, or incorrect replacement of the rail or chain can increase the risk of serious injury from kickback.



Chain brake test mode with anti-recoil effect

1. Before use, always check that the recoil brake is working properly.
2. Grasp the tool firmly with both hands, place it on a stable surface, making sure that the saw chain does not touch the ground or other objects, and turn on the tool.

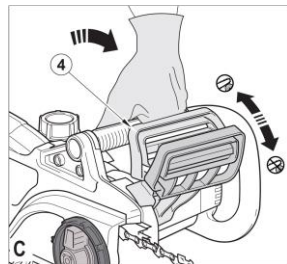
3. Grasp the front handle with your left hand so that the back of your palm contacts the front guard/chain brake assembly (4) and push the assembly forward toward the workpiece. The saw chain must stop immediately.

Note: Avoid restarting the tool until you hear the motor stop completely.

Note: If the chain brake does not work properly, take the product to an authorized RURIS service point.

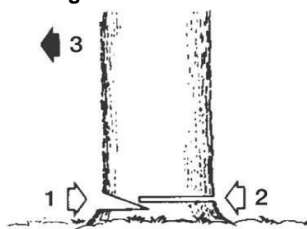
If the saw chain or guide rail jams during cutting, follow the steps below:

1. Disconnect the tool from the power supply.
 2. Open the wedge cut to release pressure from the guide rail.
- Do not try to force the saw out.



8. GENERAL WORKING INSTRUCTIONS

Felling a tree



1. Decide the direction of cutting according to the wind, the inclination of the tree, the position of heavy branches, the degree of difficulty after cutting and other factors.
2. While clearing the area around the tree, ensure a good foothold and a way to retreat.
3. Make a one-third notch in the tree on the fall side.
4. Make a cut on the opposite side of the notch and at a level slightly higher than its base.

(1) Notch (2) Cut (3) Fall direction

CAREFUL!

When cutting down a tree, be sure to warn people around you of the danger.

ATTENTION!

- Always secure your footing. Do not sit on the log.
- Watch out for a cut log rolling when working on a slope.

Before starting work, check the direction of the bending force inside the log to be cut. Always finish the cut from the side opposite the direction of the bend to avoid the guide rail getting caught in the cut.

A log placed on the ground . Cut halfway, then roll the log and cut from the opposite side.

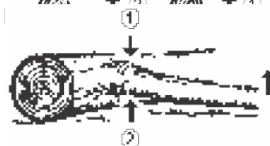


A log positioned above the ground . In area (1), cut from bottom to top one third of the diameter of the log and finish by sawing from top to bottom. In area (2) cut from top to bottom one third and finish by sawing from bottom to top.



Cutting the branch of a fallen tree. First check which way the branch is bent, then make the initial cut on the bent side and complete the chainsaw cut on the opposite side.

ATTENTION! Pay attention to the recoil of the branch after cutting.



Cleaning the branches of a standing tree . Cut from the bottom up and finish from the top.



ATTENTION!

- Do not use an unstable support or ladder.
- Do not use the chainsaw in a tree.
- Don't lose your balance.
- Do not cut above chest level.
- Always use both hands to hold the chainsaw.
- Do not cut a branch above you.
- Always maintain a proper posture and use the chain saw only when standing on a fixed, safe and level surface.

9. MAINTENANCE AND TROUBLESHOOTING

Regular maintenance ensures a long service life for the tool. We recommend that you perform the following checks regularly.

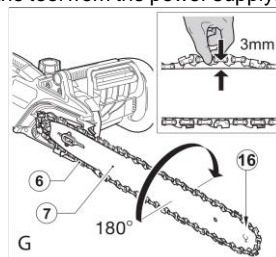
Warning! Before carrying out maintenance operations, switch off and disconnect the tool from the power supply.

Oil level

The level in the tank must not drop below a quarter of the capacity.

Saw chain and guide rail

1. After a few hours of use and before storage, remove the guide rail (7) and saw chain (6) and clean them thoroughly.
2. Make sure the guard is clean and free of debris.
3. When reassembling, rotate the guide rail (7) 180°.
4. Lubricate the wheel pin through the wheel grease hole. This ensures an even distribution of wear around the guide rail.

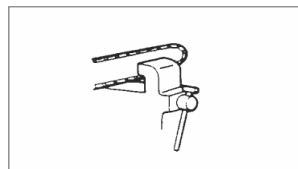


Sharpening the saw chain

For safe use it is important to keep the chain teeth always sharp.

Teeth should be sharpened when:

- Sawdust turns into powder.
- Use more force to cut.
- The cut cannot be made straight.
- Vibration increases.

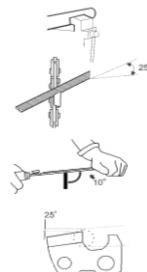


CAREFUL!

Be sure to wear proper gloves when handling the chain.

Before sharpening:

- Make sure the chain is securely fastened. Make sure the engine is off.
- Use a round file of the correct size for your chain.
- Place the file on the chain teeth and push straight forward. Hold the file in the position shown. (Fig. 5)



Replacing worn saw chains

Replacement saw chains are available in the network of RURIS partner shops and services.

Always use original spare parts.

The degree of sharpening of the saw chain

Saw chain cuttings will blunt immediately if they touch the ground or a nail while cutting.

Protecting the environment



Do not dispose of electrical equipment, industrial electronics and components in household waste! Information on WEEE. Considering the provisions of GEO 195/2005 - regarding environmental protection and GEO 5/2015. Consumers should consider the following indications

for the delivery of electrical waste, specified below:

- Consumers have the obligation not to dispose of waste electrical and electronic equipment (WEEE) as unsorted municipal waste and to collect this WEEE separately.

- The collection of these named wastes (WEEE) will be carried out through the Public Collection Service within each county and through collection centers organized by economic operators authorized for the collection of WEEE. Information provided by the Environmental Fund Administration www.afm.ro to have the European Union journal.

- Consumers can hand in WEEE free of charge at the previously specified collection points.

TROUBLE

Problem	Possible causes	Remedial solution
The tool does not start	o The lock button is not pressed	o Press the lock button.
	o The front guard is in the brake position	o Reset the position of the front guard.
	o Blown fuse	o Replace the fuse
	o RCD tripped	o Check the RCD
	o The power cord is not connected	o Check mains power
The chain does not stop instantly when the tool is turned off	o The chain tension is too weak	o Check chain tension
Rail/chain seem hot/smoke	o The oil tank is empty	o Check the oil tank level
	o The oil hole is blocked on the chain rail	o Clean the oil hole
	o Chain tension is too tight	o Check chain tension
	o Guide rail wheel pin requires lubrication	o Lubricate the pin of the guide rail wheel with oil
The saw does not cut well	o The chain is mounted backwards	o Check/change direction CHAIN o Sharp
The saw does not consume oil	o There is residue in the tank	o Drain the oil from the tank and replace it
	o The oil hole has a blocked cover	o Remove debris from the hole
	o Residues in the chain rail	o Remove debris and clean the chain rail
	o Residues in the oil drain	o Remove residue

10. COMPLIANCE STATEMENTS

DECLARATION OF CONFORMITY CE

Manufacturer: SC RURIS IMPEX SRL

Craiova, Bvd. Decebal, no. 111, Administrative Building, Craiova, Dolj, Romania

Goal. 0351 464 632, www.ruris.ro, info@ruris.ro

Authorized representative: Eng. Stroe Marius Catalin – General Manager

Authorized person for the technical file: Eng. Radoi Alexandru – Production Design Director

Product description: Electric chainsaw - equipment used for works in the field of construction or for woodworking workshops.

Product: Electric chainsaw

Product serial number: AASF0100001XXXXAC320EL (where AA represents the last two digits of the year of manufacture, characters 5 and 6 batch number, characters 7-11 product number)

Type : DAC **Model :** 320EL

Motor : electric, single-phase, 220 volts

Power : 2000W

Rail length : 400mm

We, SC RURIS IMPEX SRL Craiova, manufacturer, in accordance with HG 1029/2008 - regarding the conditions for the introduction of cars on the market, Directive 2006/42/EC - safety and security requirements, Standard EN ISO 12100:2010 - Cars. Security, Directive 2014/35/EU, HG 409/2016-on low-voltage equipment, Directive 2014/30/EU on electromagnetic compatibility (HG 487/2016 on electromagnetic compatibility, updated 2019), Directive 2011/65/EU of 8 June 2011 regarding the restrictions on the use of certain hazardous substances in electrical and electronic equipment amended by 2015/863/EU, Annex 2, we have certified the conformity of the product with the specified standards and



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declare that it complies with the main safety and security requirements, does not put danger to life, health, work safety and does not have a negative impact on the environment.

The undersigned Stroe Catalin, the manufacturer's representative, declares on his own responsibility that the product is in accordance with the following European standards and directives:

SR EN ISO 12100: 2011 / EN ISO12100:2010 - Security cars . Basic concepts , principles general design . Basic terminology , methodology . pRINCIPLES TECHNICAL

SR EN 60745-1 : 2009/A11:2010/ EN 60745-1:2009/A11:2010- Tools ELECTRICAL with motor portable . Security. part 1: requirements gEnEral

SR EN EN 60745-2- 13: 2009/A1:2010/ EN 60745-2:13:2009/A1:2010- Tools ELECTRICAL with motor portable . Security. Part 2- 13: requirements PRIVATE for SAWING with chain

SR EN ISO 7914: 2002/ ISO 7914:2002 - Machines forestry — Ferastrau portable with chain — Distance and minimum handle dimensions

SR EN 62841-1 : 2016/ EN 62841-1:2015- Tools ELECTRICAL port with engine , tools PORTABLE and MACHINERY for garden and lawn. Security. part 1: requirements gEnEral

SR EN 62841-4- 1: 2020/ EN 62841-4-1: 2020- Tools ELECTRICAL port with engine , tools PORTABLE and MACHINERY for garden and lawn. Security. Part 4- 1: requirements PRIVATE for SAWING with chain

SR EN 62841-1 : 2016/ EN 62841-1:2015- Tools ELECTRICAL port with engine , tools PORTABLE and MACHINERY for garden and lawn. Security. part 1: requirements gEnEral

ISO 6533: 2020 - Machinery forestry — Defenders FRONT for saw portable with chain — Dimensions and distances free

SR EN SR EN 60384-14 : 2014/EN 60384-14:2013- Fixed capacitors used in the equipment electronics . part 14: Specification intermediate . Fixed anti-interference capacitors for power connection

SR EN IEC 61000-3- 2: 2019/A1:2021 / EN ISO 61000-3-2:2019/A1:2021- Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for current emissions _ harmonics (input current of the equipment ≤ 16 A per phase)

SR EN IEC 61000-3-11 : 2020/ EN 61000-3-11:2019- Compatibility electromagnetic (EMC). Part 3- 11: Limits. limit voltage variations , voltage fluctuations and flicker in the the networks low power public tension . Equipment having an absorbed current ≤ 75A and which are SUBJECT SOME login restrictions

SR EN 55014-1 : 2021/ EN IEC 55014-1:2021 - Electromagnetic compatibility. Requirements for household appliances, power tools and similar appliances. Part 1: Issue

SR EN 55014-2:2021/ EN IEC 55014-2:2021 - Electromagnetic compatibility. Requirements for household appliances, power tools and similar appliances. Part 2: Immunity. Product family standard

Directive 2000/14/EC (amended through Directive 2005/88/EC) – Noise emissions in the environment outer

Directive 2006/42/EC - on machines - placing machines on the market

Direction 2014/30/EU - on electromagnetic compatibility (HG 487/2016 on electromagnetic compatibility, updated 2019);

Directive 2014/35/EU, HG 409/2016 - regarding low-voltage equipment

Directive 2011/65/EC, amended by 2015/863/EU, Annex 2 - on restrictions on the use of certain hazardous substances in electrical and electronic equipment (ROHS)

Other Standards or specifications used:

- **SR EN ISO 9001** - Quality Management System
- **SR EN ISO 14001** - Environmental Management System
- **SR ISO 45001: 2018** - Occupational Health and Safety Management System.

MARKING AND LABELING OF ENGINES

Spark ignition gasoline engines received and used on RURIS equipment and machines, according to **EU Regulation 2016/1628 (amended by EU Regulation 2018/989)** and HG 467/2018 are marked with:

- Manufacturer's brand and name: ZSI Co. Ltd. _

Note: the technical documentation is owned by the manufacturer.

Clarification: This declaration is in accordance with the original.

Validity period: 10 years from the date of approval.

Place and date of issuance: **Craiova, 05.12.2023**

Year of application of the CE marking: **2023**

No. reg: **1522/05.12.2023**

Authorized person and signature:

Ing. Stroe Marius Catalin

Director General of

SC RURIS IMPEX SRL

DECLARATION OF CONFORMITY EC**Manufacturer:** SC RURIS IMPEX SRL

Craiova, Bvd. Decebal, no. 111, Administrative Building, Craiova, Dolj, Romania

Goal. 0351 464 632, www.ruris.ro, info@ruris.ro

Authorized representative: Eng. Stroe Marius Catalin – General Manager

Authorized person for the technical file: Eng. Radoi Alexandru – Production Design Director

Product description: Electric chainsaw- equipment used for works in the field of construction or for woodworking workshops.**Product:** Electric chainsaw

Product serial number: AASF0100001XXXDAC320EL (where AA represents the last two digits of the year of manufacture, characters 5 and 6 batch number, characters 7-11 product number)

Type : DAC **Model :** 320EL**Motor :** electric, single-phase, 220 volts**Power :** 2000W**Length rail :** 400mm**Acoustic power level:** 100.3 dB **Power level acoustic guaranteed :** 108dB(A)

The acoustic power level is certified by TUV SUD through test report no. 50099063 006/08.06.2022, in accordance with the provisions of Directive 2000/14/CE amended by Directive 2005/88/CE and SR EN ISO 3744:2011.

We, SC RURIS IMPEX SRL Craiova as a manufacturer, in accordance with Directive 2000/14/EC (amended by Directive 2005/88/EC), HG 1756/2006 - on limiting the level of noise emissions in the environment produced by equipment intended for use outside the buildings, we have verified and certified the conformity of the product with the specified standards and declare that it complies with the main requirements.

The undersigned Stroe Catalin, the manufacturer's representative, declares on his own responsibility that the product is in accordance with the following European standards and directives:

- **Directive 2000/14/EC (amended by Directive 2005/88/EC)** – Noise emissions in the outdoor environment
- **SR EN ISO 3744:2011** - Acoustics. Determination of sound power levels emitted by noise sources using sound pressure

Directive 2000/14/EC (amended through Directive 2005/88/EC) – Noise emissions in the environment outer**Directive 2006/42/EC** - on machines - placing machines on the market**Direction 2014/30/EU** - on electromagnetic compatibility (HG 487/2016 on electromagnetic compatibility, updated 2019);**Directive 2014/35/EU, HG 409/2016** - regarding low-voltage equipment**Directive 2011/65/EC, amended by 2015/863/EU, Annex 2** - on restrictions on the use of certain hazardous substances in electrical and electronic equipment (ROHS)**Other Standards or specifications used:**

- **SR EN ISO 9001** - Quality Management System
- **SR EN ISO 14001** - Environmental Management System
- **SR ISO 45001: 2018** - Occupational Health and Safety Management System.

Note: the technical documentation is owned by the manufacturer.

Clarification: This declaration is in accordance with the original.

Validity period: 10 years from the date of approval.

Place and date of issuance: **Craiova, 05.12.2023**Year of application of the CE marking: **2023**No. reg: **1523/05.12.2023****Authorized person and signature:**Ing. Stroe Marius Catalin
General Manager of Ruris Impex SRL
