EN

BATTERY Electric chainsaw DAC 2524e

CONTENT

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 INFORMATION

2.1 SYMBOLS ON THE MACHINE

The following symbols are used in this manual and/or on the device:

	Read the user manual!
	Use protective boots or shoes!
	Use protective helmets!
	Use protective gloves!
	Use the chainsaw with both hands
	Wear protective equipment.
	Warning! Careful!
	Watch out for recoil.
	Do not operate with one hand
	Do not expose to rain.
	CE mark

Before using the chainsaw, read and follow all warnings, cautions and instructions in this manual.

NOTE: The following safety information is not intended to cover all possible conditions and situations. this can happen. Read the entire user manual Failure to follow instructions and safety information can result in serious injury or death.

GENERAL SAFETY RULES

SAVE THESE SAFETY INSTRUCTIONS.

WARNING: Do not operate the chainsaw until you have read this instruction manual and are familiar with the safety, operation, and maintenance instructions.

WORK AREA SAFETY

- Keep the work area clean and well lit.
- Do not use power tools in explosive atmospheres, such as in the presence of liquids, gases or fuel vapors. Power tools create sparks that can ignite fuel gases or vapors.
- Keep children and bystanders away. All visitors and pets must be kept a safe distance from the work area.
- Do not allow children or untrained persons to use this machine.
- Do not expose power tools to rain or moisture. If water gets into a power tool, it will increase the risk of electric shock.
- Do not handle the tool with wet hands.
- Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction.
- Always wear goggles and a protective mask.
- Clip long hair above shoulder level to prevent it from getting caught in moving parts.
- Do not expose the machine to rain, store it indoors.
- Do not operate in low light conditions.
- Keep all parts of your body away from any moving part of the machine.
- Wear long pants, safety boots and gloves. Avoid loose clothing and jewelry that can get caught in moving parts of the machine.
- Do not force the machine.
- Do not use the equipment barefoot or with sandals or inappropriate footwear. Wear protective footwear.

- Maintain a firm posture and balance when using the chainsaw.
- Do not use the tool if the switch is not functional.
- Keep all bystanders, children and pets at least 50 meters away. Do not use this unit when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- Keep all parts of your body away from moving parts and all hot surfaces of the tool.
- Check the work area before each use. Remove all objects such as stones, broken glass, nails, wire or string that can be thrown or caught in the machine.
- Use only original spare parts and accessories from the manufacturer. Use of any other part may create a hazard or cause damage to the product.
- Battery powered tools must not be plugged into an electrical outlet; so they are always in working condition. Be aware of potential hazards when not using your cordless tool or when changing accessories. Following this rule will reduce the risk of electric shock, fire or serious personal injury.
- Remove or disconnect the battery before servicing or cleaning the machine.
- Do not dispose of batteries in fire, the cells may explode. Consult local regulations for possible special disposal instructions.
- Do not open or damage batteries. Released electrolyte is corrosive and may irritate eyes or skin. May be toxic if swallowed.
- Do not place battery tools or their batteries near fire or heat. This will reduce the risk of explosion.
- Do not crush, drop or damage the battery. Do not use a battery or charger that has been dropped or hit hard.
- Do not point the tool at people or pets.
- When not in use, the tool should be stored indoors in a dry, locked area out of the reach of children.
- Handle the tool with care. Keep the tool clean for high performance. Follow the instructions for proper maintenance.
- To reduce the risk of electric shock, do not expose the machine to rain, do not use it on wet surfaces. Store it indoors.
- Keep these instructions. Refer to them frequently and use them to train others who may use this machine.
- Keep children away from the work area and under the supervision of a responsible adult.

- Do not allow children to operate the tool.

PERSONAL SECURITY

DO NOT operate the chainsaw with one hand! One-handed operation poses a risk of serious injury to the operator, bystanders or bystanders. The chain saw is designed for use with both hands.

Use safety footwear, well-fitting clothing, safety glasses, and eye, ear, and head protection.

DO NOT allow other people to be near you when starting the chain saw or while cutting. Do not allow bystanders or animals to enter the work area.

DO NOT begin cutting before securing a clear work area, stable footing, and an established retreat path from the downed tree.

Keep all parts of your body away from the chain saw during operation.

Before starting the engine, check that the electric chain saw is not touching other objects.

DO NOT use the chainsaw if it is damaged, improperly adjusted, or incompletely assembled and without proper attachment. Check that the chain saw stops when the lever is released.

Use extreme caution when cutting underbrush and small saplings, as thin material can be caught in the blade and thrown towards you or throw you off balance.

When cutting stressed branches, pay attention to the recoil, to avoid hitting when the tension in the wood fibers is released.

Handles must always be dry, clean and free of oil or fuel mixture.

Use the chain saw only in well-ventilated areas.

DO NOT use the chain saw unless you have been trained.

Any interventions on the electric chainsaw that are not mentioned in the safety and maintenance instructions in the user manual must only be carried out by qualified personnel in an authorized RURIS service.

When transporting the chainsaw, use the blade guard.

DO NOT use the chain saw near flammable liquids or gases, both indoors and outdoors. Danger of explosion and/or fire.

USE THE CORRECT TOOL: cut wood only. Do not use the electric chain saw for purposes other than those for which it was designed. For example, do not use the chain saw when cutting plastic, masonry and other building materials.

Those using a chainsaw for the first time should be given practical training by an experienced user in the use of the chainsaw and protective equipment.

Do not attempt to hold the chainsaw with one hand. Reaction forces cannot be controlled and you risk losing control of the chainsaw. Danger of the blade and chain slipping or kicking back on the branch or log.

Beware of dust and toxic aerosols (such as cutting dust or oil aerosols from chain lubrication). Protect yourself properly.

USE AND MAINTENANCE

- Familiarize yourself with the tool. Read the manual carefully, learn about its applications and limitations, and specific potential hazards associated with this machine.
- Check for misaligned or jammed moving parts, broken parts, and any other defects that could affect the operation of the tool. If damaged, repair the power tool before using it.
- Do not force the power tool. Use the power tool correctly for your application.
- Disconnect the battery from the power tool before making adjustments, changing accessories, or storing power tools.
- Check the operation of the tool before using it.
- Keep the cutting blade sharp and clean

- Do not use the tool if it does not have a legible warning label.
- Use the power tool in accordance with these instructions, taking into account the working conditions. Using the power tool for operations other than those intended could result in a hazardous situation.

WARNING: When transporting or servicing the unit, always disconnect the battery.

3. TECHNICAL DATA

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Motor	Electric, brushless
Battery	Li-Ion 20V 4 Ah (not included in the product)
Total Power	Pw = 80 Wh
Rail length	10" (250mm)
Maximum cutting length	245 mm
Chain	3/8 1.3mm
Handle vibrations	4.5 m/s^2, 5 m/s^2. K=1.5 m/s^2
Oil tank capacity	220 ml
Weight	3.12 kg

4. OVERVIEW

1. Saw chain
2. Guide blade
3. Chain brake lever / hand guard
4. Front handle
5. Unlock button
6. Trigger button
7. Rear handle
8. Oil tank cap
9. Guide blade guard
10. Claw support
11. Rotary lock knob
12. Wheel for chain tensioning

The battery benefits from the "α UP-Innovation RURIS" function. This function helps the battery when it reaches the critical discharge threshold. Ruris came up with an innovation in the system of cells inside the battery, through which the battery can be recharged after a long period of time in which it has been discharged. Thus, RURIS users can enjoy the reliability and innovation of RURIS.

After storage, charging is recommended at an interval of 6 months - 1 year

5. KICKBACK SAFETY MEASURES

KICKBACK can occur if the TIP or END of the blade touches any object, or if the wood tightens and catches the chain in the cut.

Contact with the tip can sometimes produce an extremely rapid reaction, throwing the blade up and back towards the operator.

LOCKING the chain along the BOTTOM of the blade can PULL the saw forward toward the operator.

LOCKING the chain along the TOP of the blade can quickly PUSH the saw back toward the operator.

Any of these reactions can cause the saw to run out of control, causing serious injury.

A basic understanding of recoil can reduce or eliminate the surprise effect. Surprise is one of the causes of accidents.

While operating the chainsaw, hold the saw firmly with both hands, with the right hand on the rear handle and the left hand on the front handle. Grip firmly with your fingers around the handles of the chainsaw. The firm grip helps reduce kickback and keep you in control of the saw. Don't let him go.

Check that there are no obstacles in the area where you are cutting. Do not allow the tip of the blade to come into contact with trunks, branches, or any other obstructions that may be struck while using the chainsaw.

Don't stretch too far or cut above shoulder level.

Follow the manufacturer's instructions for chain sharpening and maintenance.

Use only replacement blades and chains specified by the manufacturer or equivalent.

NOTE: Low recoil chains are the ones that fall under recoil performance.

WARNING: Kickback can cause the chainsaw to run dangerously out of control and cause serious injury or death to the operator or bystanders. Be alert at all times. Kickback or kickback are the main hazards when using a chainsaw and the main cause of most accidents.

Be careful at:

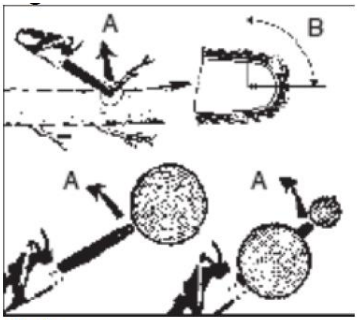


Fig 2

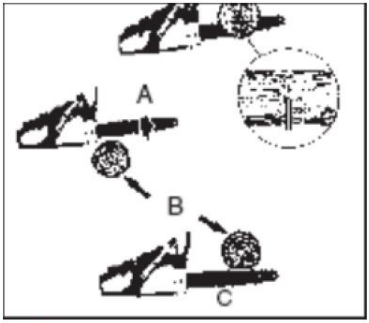


Fig 3

Rotation recoil (Fig. 2)

A = recoil path, B = recoil effect area

Push (lock recoil) and pull reactions (Fig. 3)

A = pull, B = solid objects, C = push

6. INSTALLATION GUIDE

Wear gloves when handling the blade and chain; these pieces are sharp.

Do not touch or adjust the chain with the engine running. The chain is very sharp; Always wear gloves when performing chain maintenance to avoid injury.

Using the chain and blade (Fig. 4-5)

Disconnect the chainsaw battery.

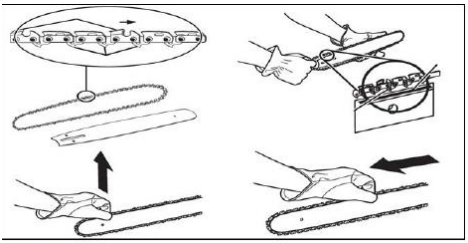
Turn the lock knob on the chain cover counterclockwise and remove the knob and sleeve.

Remove the chain cover.

Stretch the chain in the form of a loop and straighten the twisted areas. The cutting teeth must be pointed in the direction of rotation of the chain. If they are facing the other way, turn the loop.

Fig. 4

Place the chain drive spurs in the bar groove as shown.



Position the chain so that there is a loop on the back of the blade.

Hold the chain in place on the blade and place the loop around the sprocket.

Fig. 5

Secure the blade flush with the mounting surface so that the blade pins are on the long slot of the blade.

NOTE: When placing the bar on the bar pins, make sure the adjusting pin is inserted into the hole in the bar for chain tensioning.

Install the chain cover.

Refit the sleeve and chain cover locking bolt; Turn the knob clockwise to tighten the drive pinion cover. The blade must still be free to move for tension adjustment.

Loosen the chain completely by turning the tension wheel clockwise until the chain is firmly seated on the bar with the drive spurs in the bar groove.

Lift the tip of the guide blade to check for bending.

Release the tip of the guide bar and turn the chain tension wheel half a turn clockwise. Repeat the procedure until there is no more bending.

Fig. 6

Hold the tip of the guide bar and tighten the chain cover lock bolt. The chain is properly tensioned when there is no more bending on the bottom of the guide bar, it sits securely and can be turned by hand without resistance or binding.

NOTE: If the chain is too tight, it will not turn. Loosen the chain cover lock knob slightly and turn the chain tensioner wheel counterclockwise a quarter turn. Raise the tip of the guide bar and tighten the chain cover lock bolt. Make sure the chain rotates without locking.

Lubricating oil for the chain. (Fig. 6)

Before starting the chainsaw, the tank must be filled with RURIS M-POWER chain oil.

Never use waste oil to lubricate the chain.

To supply the chain oil tank of the chainsaw, unscrew the supply plug. Avoid getting contaminants into the oil during fueling. The oil level can be checked through the level glass.

7. USER GUIDE

Make sure that :

- Fully charge the battery before first use.
- Fill the tank with oil for lubricating the chain.
- Check that the cutting equipment is properly mounted and secured.
- Prolonged exposure to noise pollution can lead to permanent hearing damage. Therefore, always use approved hearing protection devices.

7.1 STARTING AND STOPPING THE CHAINSAW

WARNING Position your body to the left of the saw line. Never hold the saw or chain between your legs or lean over the saw line.

Starting the chainsaw

Check that the chain cover locking bolt is securely seated in the chain cover.

Make sure there are no objects or obstacles near the blade or chain that could come into contact with them.

Attach the battery to the chainsaw port (Fig. 7).

Press the release button (5) and press the trigger button (6) (Fig. 8).

Fig 7

Fig. 8

Hold down the trigger button, release the lock button and continue to press the trigger button to keep the chainsaw running non-stop.

Stopping the chain saw.

NOTE: It is normal for the chain to continue moving for a few moments after releasing the trigger button.

To stop the chain saw, release the trigger button.

After releasing the trigger button, the lock button will automatically return to the lock position.

7.2 ACTUATION OF THE CHAIN BRAKE

Before each use, check the proper operation of the chain brake (Fig. 9). Engage the chain brake by rotating your left hand around the front handle, pushing the chain brake lever/hand guard towards the blade with the back of your hand as the chain rotates rapidly. Keep both hands on the saw handles (1) at all times.

Fig. 9

Return the chain brake to the RUN position by grasping the top of the chain brake lever / hand guard and pulling toward the front handle (2).

8. GENERAL INSTRUCTIONS FOR CUTTING

felling

Felling is the term for cutting down a tree completely. Small trees up to 15-18 cm (6-7 inches) in diameter are usually felled in a single cut. Larger trees require the cutting of stakes. The stakes determine the direction in which the tree will fall.

Felling trees:

Warning: Before starting to cut, an escape route (A) must be provided and cleared. The escape route must extend backwards and diagonally, opposite the direction of fall, as in Fig. 10 a.

Caution: When felling a tree on sloping ground, the chainsaw operator must remain upstream, as it is very possible for the tree to roll downhill after felling.

Note: the direction of fall (B) is controlled by the plug. Before making a cut, study the position of larger branches and the natural inclination of the tree to determine the direction of the tree's fall.

Warning: Do not fell trees in high or variable wind conditions or if there is danger of damage. Consult a forestry specialist. Do not cut trees if there is a danger of hitting power lines; notify the electricity company before cutting.

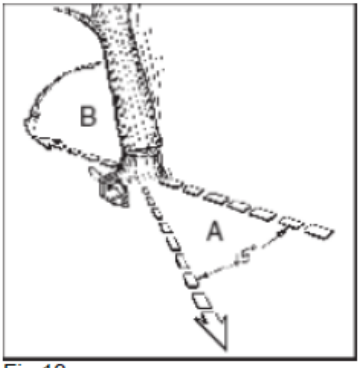


Fig 10a

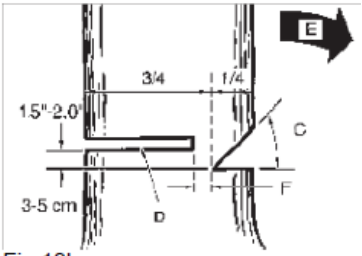


Fig 10b

General recommendations for felling trees:

In general, felling consists of two main cutting operations, tapping (C) and making the felling cut (D). First make the cut from the top of the plug (C) on the side of the shaft facing the direction of fall (E). Be sure not to cut too deep into the trunk.

The plug (C) must be deep enough to create a hinge (F) thick enough and strong enough. The plug must be wide enough to direct the fall of the tree for as long as possible.

WARNING: Do not pass in front of covered trees. Make the felling cut (D) on the opposite side of the shaft and 3 - 5 cm (1.5 - 2.0 inches) above the edge of the plug (C) (Fig. 10 b)

Do not cut through the trunk completely. Always leave a hinge. The hinge guides the shaft. If the trunk is completely cut, the direction of fall is no longer controlled.

Insert a wedge or felling lever into the cut long enough before the tree becomes unstable and begins to move. This prevents the blade from getting stuck in the felling cut if you misjudged the direction of the fall. Before pushing the downed tree, make sure there are no bystanders in its range.

Warning: Before making the final cut, double-check that there are no bystanders, animals, or obstacles in the area.

Knockdown Cut:

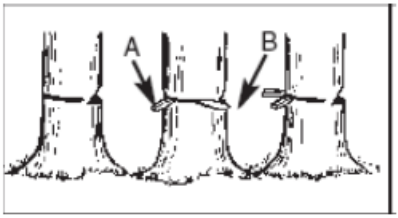


Fig 10c

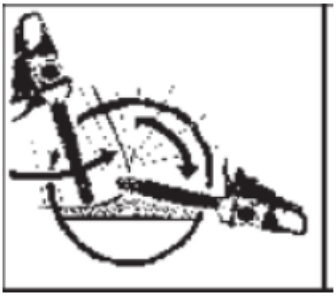


Fig 10d

Use wooden or plastic wedges (A) to avoid catching the blade or chain (B) in the cut. The feathers also have the role of controlling the fall (Fig. 10c)

If the diameter of the cut wood exceeds the length of the blade, make two cuts, as in the figure (Fig. 10d).

WARNING: When the felling cut approaches the hinge, the tree should begin to fall. When the tree begins to fall, remove the saw from the cut, stop the engine, lower the chain saw and leave the area on the escape route (Fig. 10a).

Cleaning of branches

Delimbing is the process of removing branches from a downed tree. Do not remove supporting branches before sectioning (cutting) into pieces (Fig. 11).

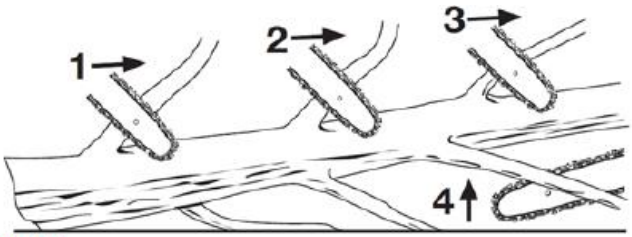


Fig 11

Branches under tension must be cut from the bottom up to avoid bending the chain rail.

WARNING: Do not cut branches while standing on the tree trunk.

Sectioning

Sectioning means cutting a fallen trunk into pieces. Ensure stable footing and sit upstream of the trunk when cutting on sloping ground. If possible, the trunk should be supported so that the end to be cut does not rest on the ground. If the trunk is supported at both ends and must be cut in the middle, make a cut down to the middle of the trunk, then cut underneath. This will prevent the blade and chain from getting caught in the trunk. When sectioning, avoid cutting with the chain into the ground, as this leads to rapid blunting of the chain. When sectioning on a slope, always sit upstream.

Trunk supported along the entire length. Cut from above (top sectioning), avoiding cutting into the ground (Fig. 12 a).

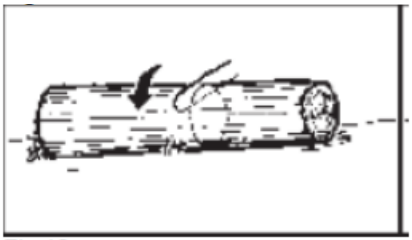


Fig 12a

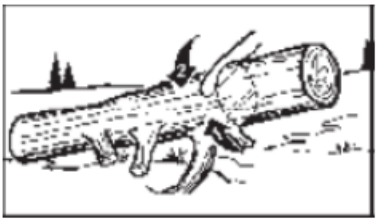


Fig 12b

Trunk supported at one end. Cut from the bottom (bottom section) 1/3 of the trunk diameter first to avoid splitting. Then cut from above (top sectioning) to reach the first cut and avoid bunching (Fig. 12b).

Trunk supported at both ends. First, cut off the top 1/3 of the diameter of the trunk to avoid splitting. Then section from the bottom to reach the first cut and avoid pinching (Fig. 12c).

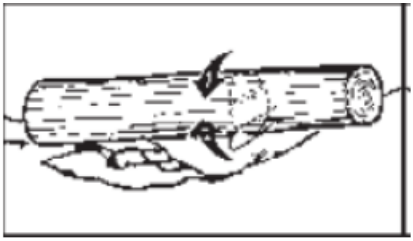


Fig 12c

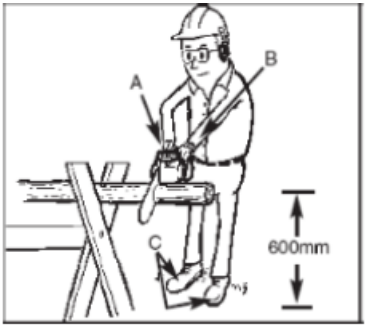


Fig 13

NOTE: The best method of supporting the trunk when sectioning is to use a goat. When this is not possible, the trunk must be raised and supported by the stumps of the branches or with the help of supporting logs. Make sure the cut trunk is firmly supported.

Sectioning with a log goat.

For personal safety and ease of cutting, correct vertical sectioning position is extremely important (Fig. 13).

Vertical cutting:

- Hold the saw firmly with both hands and to the right of your body while cutting.
- Keep your left arm as straight as possible.
- Stand on both feet.

Caution: When sawing, make sure the chain and blade are properly lubricated.

9. CLEANING AND MAINTENANCE

Guide blade tip pinion lubrication:

Caution: The chain rail sprocket is already lubricated. Lack of lubrication of the pinion, the chain rail, will reduce performance and cause seizure and premature damage of the rail.

It is recommended to lubricate the top pinion after 25 hours of use or weekly, whichever comes first. Always carefully clean the pinion at the tip of the guide blade before lubrication.

Warning: protective gloves must be worn when handling the blade and chain.

Push the switch to the OFF position and then disconnect the battery.

Note: To lubricate the top sprocket, it is not necessary to remove the chain. Lubrication can be carried out at the work point.

Guide blade maintenance

Most guide bar problems can be prevented simply by proper chain maintenance. Insufficient lubrication of the guide blade and the use of the saw with the chain too tight contribute to the rapid wear of the blade. To minimize guide blade wear, the following blade maintenance procedures are recommended.

Warning: protective gloves must be worn during maintenance operations. Do not perform maintenance on a hot engine.

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 will consider the following indications for handing over 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 or the journal of the European Union.

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

10. DECLARATIONS OF CONFORMITY

DECLARATION OF CONFORMITY CE

Manufacturer: SC RURIS IMPEX SRL
Blvd. 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.Alexandru Radoi – Production Design Director

Product description: Battery powered chainsaw - equipment used for cutting and shaping wood in construction, woodworking workshops and households.

Product: Battery-powered chainsaw
Product serial number: from xx DAC2524E 0001 to xx DAC2524E 9999 (where xx represents the last two digits of the year of manufacture)
Type: DAC **Model:** 2524E
Motor: Electric, brushless **Total Power:** Pw= 80 Wh
Rail length: 250mm **Battery** : Li-Ion 20V 4 Ah (not included in the product)

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 2011/65/EU of June 8, 2011 on restrictions on the use of certain hazardous substances in electrical and electronic equipment, Directive 2014/30/EU on electromagnetic compatibility (HG 487/2016 on electromagnetic compatibility, updated 2019) we have carried out the attestation compliance of the product with the specified standards and we declare that it complies with the main safety and security requirements, does not endanger 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 ISO 12100:2010** - Machine safety. Basic concepts, general design principles. Basic terminology, methodology. Technical principles

- SR EN 60745-1:2009/A11:2010/ EN 60745-1:2009/A11:2010- Portable power tools. Security. Part 1: General prescriptions

- SR EN EN 60745-2-13:2009/A1:2010/ EN 60745-2-13:2009/A1:2010- Portable power tools. Security. Part 2-13: Particular requirements for chain saws

- SR EN 62841-1:2016 / **EN 62841-1:2015+AC2015-** Portable power tools with motor, transportable tools and machines for garden and lawn. Security. Part 1: General prescriptions

- SR EN 62841-4-1:2020/ EN 62841-4-1:2020- Portable power tools with motor, transportable tools and machines for garden and lawn. Security. Part 4-1: Particular requirements for chain saws

- SR EN 62841-2-10:2017/ EN 62841-2-10:2017- Portable power tools with motor, transportable tools and machines for garden and lawn. Security. Part 2-10: Particular requirements for portable mixers for building materials

- SR EN 61000-4-2:2009/ IEC 61000-4-2:2008- Electromagnetic compatibility (EMC). Part 4-2: Test and measurement techniques. Electrostatic discharge immunity test

- SR EN 62133-1:2017/ IEC 62133-1:2017- Alkaline accumulators and other accumulators with non-acidic electrolyte - Safety requirements for sealed portable accumulators and for batteries made of them, intended for use in portable applications. Part 1: Nickel systems
- SR EN 62133-2:2017/ 62133-2:2017- Alkaline accumulators and other accumulators with non-acidic electrolyte - Safety requirements for sealed portable accumulators and for batteries made of them, intended for use in portable applications. Part 2: Lithium systems
- SR EN 60335-2-29:2005/ EN 60335-2-29:2004- Electrical appliances for household use and similar purposes. Security. Part 2-29: Particular requirements for battery chargers
- SR EN 60335-1:2012/A11:2015/ EN 60335-1:2012/A11:2014- Electrical appliances for household use and similar purposes. Security. Part 1: General prescriptions
- SR EN IEC 62841-4-3:2021/ EN IEC 62841-4-3:2021- Portable power tools with motor, transportable tools and machines for garden and lawn. Security. Part 4-3: Particular requirements for rear-driven lawnmowers
- SR EN 55014-1:2017- Electromagnetic compatibility. Requirements for household appliances, power tools and similar appliances. Part 1: Issue
- SR EN 55014-2:2015 – Electromagnetic compatibility. Requirements for household appliances, power tools and similar appliances. Part 2: Immunity. Product family standard
Directive 2000/14/EC (amended by Directive 2005/88/EC) – Noise emissions in the outdoor environment
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 2011/65/EU of June 8, 2011 - on restrictions on the use of certain hazardous substances in electrical and electronic equipment
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.

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

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, 05.01.2023**
Year of application of the CE marking: **2023**
No. reg: **18/05/01/2023**

Authorized person and signature: Ing. Stroe Marius Catalin
Director General of
SC RURIS IMPEX SRL

DECLARATION OF CONFORMITY EC

Manufacturer: SC RURIS IMPEX SRL
Blvd. 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.Alexandru Radoi – Production Design Director
Product description: Electric chainsaw powered by battery - equipment used for cutting and shaping wood in the field of constructions, woodworking workshops and households

Product: Battery-powered chainsaw
Product serial number: from xx DAC2524E 0001 to xx DAC2524E 9999 (where xx represents the last two digits of the year of manufacture)
Type: DAC **Model:** 2524E
Motor: Electric, brushless **Total Power:** Pw= 80 Wh
Rail length: 250mm **Battery** : Li-Ion 20V 4 Ah (not included in the product)
Measured sound power level: 95 dB(A) Guaranteed sound power level: 98 dB(A)
Acoustic power level is certified by TUV SUD Certification and Testing through report no. 70.403.19.092/22.10.2019 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 2006/42/EC** - on machines - placing machines on the market
- **Directive 2014/30/EU** on electromagnetic compatibility (HG 487/2016 on electromagnetic compatibility, updated 2019);

Directive 2011/65/EU of June 8, 2011 - on restrictions on the use of certain hazardous substances in electrical and electronic equipment

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, 05.01.2023**
Year of application of the CE marking: **2023**
No. reg: **19/05.01.2023**

Authorized person and signature: Ing. Stroe Marius Catalin
General Manager of Ruris Impex SRL