



EN

Battery trimmer DAC 2024e





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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



Before using the trimmer , 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 use this trimmer 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 use the unit in this case.
- Do not handle the plug or 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 away from heat sources or flammable substances.
- 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 stance and balance when using the trimmer .
- 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.
- Do not charge the battery tool in the rain or in a wet place. This rule will reduce the risk of electric shock.
- Use the tool for domestic use only.
- 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.
- 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. The released electrolyte is corrosive and can cause skin and eye irritation. 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 damaged battery or charger.
- 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.
- 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

- All persons, children and pets must remain a safe distance from the work area.
- Do not use the tool when you are tired or under the influence of drugs, alcohol or medication.
- Use the right equipment. Do not use the tool for any work other than that for which it is intended.
- Do not wear loose clothing or jewelry when using the tool.
- Wear glasses with side shields.
- Keep all parts of your body away from any moving parts.
- Avoid accidental start. Make sure the switch is in the off position before connecting the battery or when transporting the tool.
- Do not use the tool on a ladder or on an unstable stand. A stable base on a solid surface allows better control of the power tool.

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.

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.

Battery safety rules

Battery powered tools must not be plugged into an electrical outlet; therefore, they are always in working order. Following this rule will reduce the risk of electric shock, fire or serious personal injury.

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

SPECIFIC TRIMMER SAFETY STANDARDS.

- Use the tool only in daylight or good artificial light.
- When used, the trimmer line can throw stones, pieces of metal and other objects at high speed. The trimmer and its guard are designed to reduce the hazard. However, the following special precautions should be taken: ENSURE that other people and pets are at least 30 meters away.



- Use only original RURIS cutting wire. Do not use other cutting accessories, for example metal wire. Installing other autocutters on this tool can result in serious personal injury.
- Never use the tool without the projection mounted. Make sure it is in good condition.
- Check for damaged parts. Before continuing to use the tool, any guard or other damaged part should be carefully inspected to determine if it will function properly and perform the function for which it was designed.

Check alignment of moving parts, connection of parts, tightness of parts, mounting, and any other condition that may affect tool operation. A guard or other part that is damaged must be properly repaired or replaced by an authorized RURIS service center to avoid the risk of personal injury.

- Never use blades, wire or ropes. The tool is designed to be used with autocut only . Using any other accessory will increase the risk of injury.
- Keep the vents clean and free of debris to prevent the engine from overheating. Clean after each use.
- When not in use, the trimmer must be stored indoors, in a dry place, away from heat sources or flammable substances.

Symbols on the machine

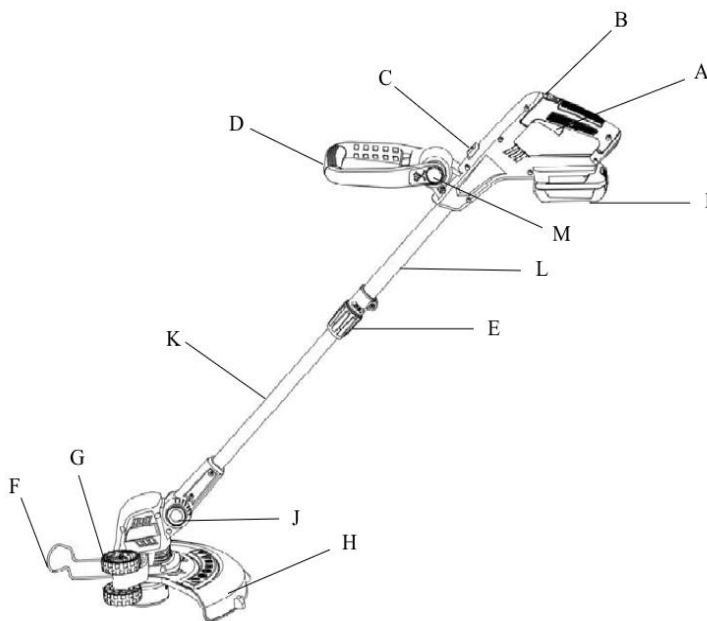
	Read the manual.
	Wear protective footwear.
	Wear hearing protection.



	Wear hand protection equipment.
	Careful! Danger.
	Careful! Debris may be ejected from the outlet.
	Do not expose to rain.
	Before maintenance, remove the battery.



3. GENERAL PRESENTATION OF THE MACHINE



A - Switch	H - Defender
B - Lock button	I – Accumulator (not included)
C - Function switch	J - Angle adjustment knob
D - Front handle	K - Telescopic shaft
E - Locking sleeve	L - Tree
F – Plant protection	M - Front handle adjustment knob
G - Wheel	

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

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

4. TECHNICAL DATA

Motor	Electric, with brushes
Battery	Li-Ion 20V 4 Ah (not included in the product)
Total Power	Pw = 80 Wh
handle	Loop- Rotary
Cutting diameter	250 mm
Handle vibrations	1.87 m/s, K=1.5 m/s
Cutting wire length	4.5m
Wire diameter	1.2mm
Rod tube diameter	25 mm
Weight	2.1 kg

5. INSTALLATION GUIDE

If any parts are damaged or missing, do not use the product until the parts are replaced. Use of this product with damaged or missing parts may result in serious personal injury.

WARNING:

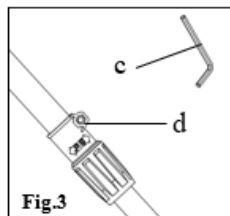
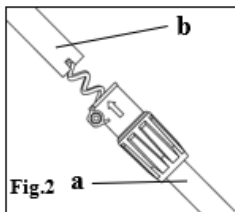
Do not attempt to modify this product or create accessories not recommended for use with this product. Any such constitutes misuse and may result in possible serious personal injury.



Connecting the upper shaft and the telescopic shaft

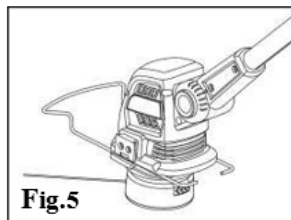
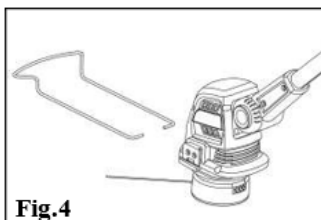
Align the arrow on the locking sleeve with the gap, insert the telescopic shaft (a) into the upper shaft (b) (See fig.2).

Then use the hex key (c) to tighten the screw (d) (See fig.3).

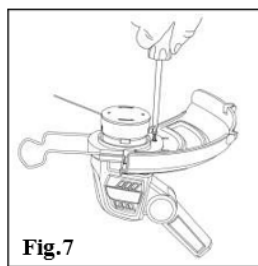
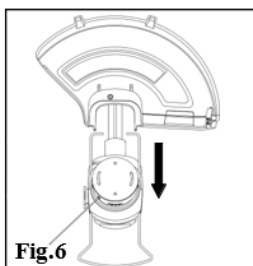


Installation of the protection and the wheel.

Insert the guide wire into the black groove of the motor housing. Note the direction of the guide wire (See fig.4 and fig.5).

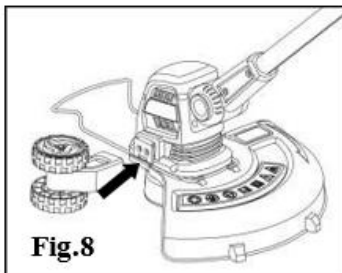


Follow the direction of the arrow on the guard, then fix the guard to the motor housing with the supplied screw. (see fig.6 and fig.7)





Insert the wheel into the black slot in the motor housing (see fig. 8) , making sure it is firmly fixed in the groove. And push the guide wire so that it does not come out.



6. INSTRUCTIONS FOR USE

WARNING: Read and fully understand all instructions and safety information before using the trimmer. Failure to do so may cause serious injury. Do not use this tool if you have any doubts or questions about its safe operation.

Start / stop

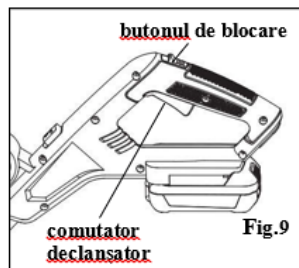
- Connect the battery.
- To start the trimmer, press the lock button at the same time press the trigger switch.

(See figure 9)

- To stop, release the trigger.

WARNING:

The trimmer continues to run for approximately 3 seconds after it has been turned off. Allow the engine to stop completely before putting the tool down.





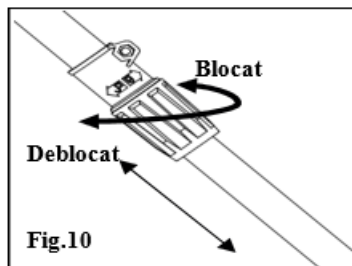
ADJUSTMENTS

WARNING: Disconnect battery before making adjustments.

CUTTING HEIGHT ADJUSTMENT

WARNING: Do not attempt to adjust the telescopic shaft while the cutting line is rotating.

Unscrew the shaft locking sleeve and adjust the length of the telescopic shaft to the most comfortable operating position. Turn the locking sleeve counterclockwise to lock the shaft in place (see fig.10).



FRONT HANDLE ADJUSTMENT

WARNING: Disconnect battery before making adjustments.

Firmly press the adjustment button on the front handle, push the front handle down until you get the desired angle. Then release the adjustment knob.

There are 8 angles, the handle must be adjusted so that the front arm is straight when the trimmer is in the working position.

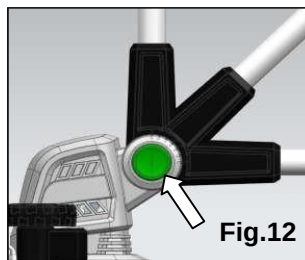
ENGINE HOUSING ANGLE ADJUSTMENT

Press the angle adjustment button on the motor housing, push the shaft back and forth to adjust the motor housing (7 positions).



EDGE TRIM ADJUSTMENT

Change the position of the handle as in figure 13. Press the function switch on the handle and hold the telescopic shaft firmly with one hand and turn the rear handle clockwise with the other hand.





WARNING: Make sure the work area is free of stones, debris or other foreign objects.

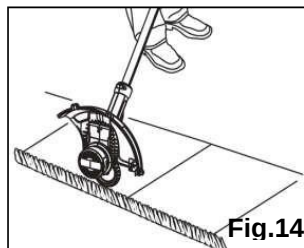
1- Lower the guard to prevent the housing from contacting an object such as a tree trunk or wall and damaging the cutting reel.

2- Start the mower before making contact with the grass.

3- Cut the grass by moving the trimmer from right to left and continue slowly, keeping the machine tilted at an angle of about 30°.

4- Tall grass must be cut in layers always starting from the top. Do not mow wet grass.

5- Be careful of recoil in case of impact with hard objects.

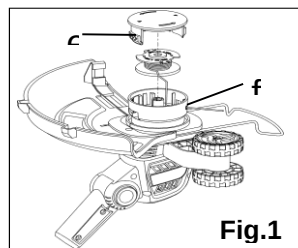
**Fig.13****Fig.14**

Note: Periodically clean the grass between the coil (autocut) and the edge of the protection to prevent damage to the machine.

AUTOCUT ADJUSTMENT AND REPLACEMENT.

WARNING: Disconnect the battery from the tool before making any adjustments. Use only original RURIS thread spools (autocut).

To replace the autocut , press the two clips on the coil cover and gently remove it. Remove the old coil and replace it with a new one.

**Fig.1**

Pass the thread through the hole (f) of the bobbin. Push the spool through the spindle. Make sure it seats completely on the shaft. The line will automatically exit when you restart the tool.

Press the two clips on the coil cover and put it back. Make sure the two clips fit into the two holes. The cap must fit perfectly on the coil.



7. MAINTENANCE

Disconnect the battery before adjusting, inspecting or cleaning the trimmer .

WARNING: Use only identical and original RURIS spare parts. Use of any other part may create a hazard or cause damage to the product.

NOTE: Clean the housing and plastic components with a soft, damp cloth. Do not use solvents or strong detergents on the housing or plastic components. Certain household cleaning products can cause damage and pose a risk of electric shock.

GENERAL INSPECTION

Periodically check that all fixing screws are tight. They can loosen and loosen over time.

STORAGE

Store it in a well-ventilated place, out of the sun, out of the reach of children.

At the end of the season, perform a general cleaning and a thorough inspection of the gear.

ENVIRONMENTALLY SAFE BATTERY DISPOSAL

If the battery breaks or breaks, whether it is leaking or not, please do not recharge or use it.

Take the batteries to a local recycling and/or disposal center that is certified for disposal.



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.

8. TROUBLESHOOTING

Disconnect the battery before making adjustments or assembling accessories.

PROBLEMS	POSSIBLE CAUSES	SOLUTIONS
The engine does not start when the switch is pressed.	Check the battery Check the power button	Recharge the battery Press the start button
Autocut is not powered	Check the drum and replace the coil	Check that the thread is not tangled and stuck in the bobbin. Remove the wire and replace the spool in the line and make sure the mechanism is clean.
Reduced cutting performance	Check the cut line	Check that the cutting line is fully extended. If it is not: Extend the line manually or cycle the trimmer until the line has been extended.



9. DECLARATIONS OF CONFORMITY

DECLARATION OF CONFORMITY CE



Manufacturer : SC RURIS IMPEX SRL

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

Authorized representative: Eng. Stroe Marius Catalin – General Manager

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

Description of the car : The electric **trimmer on the battery** is useful for narrow spaces , as well as for mowing the lawn next to bushes , curbs and joints between pavers, where it is difficult to penetrate with other large equipment.

Serial number : from xx DAC2024e 0001 to xx DAC2024e 9999 (Where xx represents the last two digits of the year of manufacture)

Model: DAC **Type:** 2024e

Motor: Electric, with brushes

Power: Pw = 80 Wh

Cutting diameter: 250 mm **Battery:** Li-Ion 20V 4 Ah (not included in the product)

*We, SC RURIS IMPEX SRL Craiova, producer , in compliance with GD 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 2000/14/EC amended by Directive 2005/88/EC** , HG 1756/2006 - on limiting the level of noise emissions in the environment, **Directive 2014/30/EU on electromagnetic compatibility (HG 487/2016 on electromagnetic compatibility , updated 2019), Directive 2011/65/EU** of June 8, 2011 regarding restrictions on the use of certain hazardous substances in electrical and electronic equipment amended by Directive 2011/65/EU Annex 2, we have certified the conformity of the product with the specified standards and 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 manufacturer's representative , declare on my own responsibility that the product is in accordance with the following European standards and directives:

- **SR EN ISO 12100:2011/ EN ISO 12100:2011** - Machine safety . Basic concepts, general design principles. Basic terminology, methodology. Technical principles
- **SR EN 50636-2-91:2014/ EN 50636-2-91:2014** – Electrical appliances for household use and similar purposes. Security. Part 2-91: Particular requirements for pedestrian-operated and portable lawn mowers and edging machines
- **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 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 60335-1:2012/A2:2019/ EN 60335-1:2012/ A2:2019**- Electrical appliances for household use and similar purposes. Security. Part 2-1: General requirements
- **SR EN 60384-14:2014/ EN 60384-14:2014**- Fixed capacitors for use in electronic equipment - Part 14: Sectional specifications - Fixed capacitors for suppression of electromagnetic interference and connection to the supply network



- **SR EN 60664-1:2008/ IEC 60664-1:2007** - Coordinating the isolation of equipment from low voltage networks . Part 1: Principles, prescriptions and trials
 - **SR EN 61058-1-1:2017/ IEC 61058-1:2016-** Switches for appliances - Part 1: General requirements
 - **SR EN 55014-1:2017/ EN 55014-1:2017-** Electromagnetic compatibility. Requirements for household appliances, power tools and similar appliances. Part 1: Issue
 - **SR EN 55014-2:2015/ EN 55014-2:2015** – Electromagnetic compatibility. Requirements for household appliances, power tools and similar appliances. Part 2: Immunity. Product family standard
 - **SR EN IEC 61000-4-2:2009/ EN 61000-4-2:2009-** Electromagnetic compatibility (EMC). Part 4-2: Test and measurement techniques. Electrostatic discharge immunity test
 - **SR EN 61000-4-3:2006/ EN 61000-4-3:2006** – Electromagnetic compatibility (EMC). Part 4-3: Test and measurement techniques. Immunity tests to radiated radiofrequency electromagnetic fields
 - **SR EN 62233:2008/ EN 62233:2008** – Methods for measuring the electromagnetic fields of household electrical appliances and similar purposes regarding human exposure
 - **SR EN ISO 3744:2011** - Acoustics. Determination of sound power levels emitted by noise sources using sound pressure
- Directive 2000/14/EC** (amended by Directive 2005/88/EC) – Noise emissions in the outdoor environment
- Directive 2006/42/EC** - regarding 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 amended by Directive 2011/65/EU Annex 2

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
- **ISO 45001:2018** - Health and Safety Management System Occupational .

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 : **22/05.01.2023**

Authorized person and signature :

Ing. Stroe Marius Catalin
Director General of
SC RURIS IMPEX SRL



DECLARATION OF CONFORMITY **EC**

Manufacturer : SC RURIS IMPEX SRL

Calea Severinului, no. 10, Bl. 317b, Craiova, Dolj, Romania

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

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Serial number : from xx DAC2024e 0001 to xx DAC2024e 9999 (Where xx represents the last two digits of the year of manufacture)

Model: DAC **Type:** 2024e

Motor: Electric, with brushes **Power:** Pw = 80 Wh

Cutting diameter: 250 mm **Battery:** Li-Ion 20V 4 Ah (not included in the product)

Measured sound power level : **86.2 dB(A)** Guaranteed sound power level: **89 dB(A)**

Power level _ acoustics is certified by TUV Sud Industrie Service GmbH through Certificate no. OR/015231/017 of 20.12.2019 in compliance with provisions Directive 2000/14/CE and SR EN ISO 3744: 2011

*We, SC RURIS IMPEX SRL Craiova, producer , in compliance with GD 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 2000/14/EC amended by Directive 2005/88/EC** , HG 1756/2006 - on limiting the level of noise emissions in the environment, **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 June 8, 2011 on restrictions on the use of certain hazardous substances in electrical and electronic equipment amended by Directive 2011/65 /EU Anxa 2, we certified the conformity of the product with the specified standards and declare that it complies with the main safety and security requirements , does not endanger life , health , work safety and has no negative impact on the environment .*

the manufacturer's representative , declare on my own responsibility that the product is in accordance with the following European standards and directives:

- **SR EN ISO 3744:2011** - Acoustics. Determination of sound power levels emitted by noise sources using sound pressure
- **SR EN ISO 9001** - Quality Management System
- **SR EN ISO 14001** - Environmental Management System
- **ISO 45001:2018** - Health and Safety Management System Occupational .

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Place and date of issuance: **Craiova, 05.01.2023**

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No. reg : **23/05.01.2023**

Authorized person and signature :

Ing. Stroe Marius Catalin

Director General of

SC RURIS IMPEX SRL