

## RURIS DAC 322E

# RURIS DAC 322E Electric Chainsaw User Manual

Model: DAC 322E

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your RURIS DAC 322E Electric Chainsaw. Please read this manual thoroughly before operating the chainsaw to ensure your safety and prolong the life of the tool. Keep this manual in a safe place for future reference.

The RURIS DAC 322E electric chainsaw is designed for construction work or carpentry workshops. It operates on 220V with a 2200W motor. It features a chain brake for emergency stops or chain lock during kickback. The design minimizes vibrations for extended comfortable use.

## 2. SAFETY INFORMATION

Operating a chainsaw can be dangerous if proper safety precautions are not followed. Always prioritize safety to prevent serious injury or death.

### 2.1 General Safety Rules

- **Read the Manual:** Understand all instructions and warnings before use.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, hearing protection, gloves, safety helmet, and sturdy footwear.
- **Work Area:** Keep the work area clear of bystanders, children, and pets. Ensure good lighting and a stable footing.
- **Electrical Safety:** Ensure the power cord is in good condition and suitable for outdoor use. Avoid cutting near electrical lines.
- **Maintain Control:** Always hold the chainsaw firmly with both hands.
- **Kickback Prevention:** Be aware of kickback risks. Avoid cutting with the tip of the guide bar.
- **Maintenance:** Regularly inspect and maintain the chainsaw as described in this manual.
- **Storage:** Store the chainsaw in a dry, secure place, out of reach of children.

### 3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main parts of your RURIS DAC 322E Electric Chainsaw.



Figure 1: Overall view of the RURIS DAC 322E Electric Chainsaw, showing the motor housing, handles, guide bar, and chain.



Figure 2: Side view of the chainsaw, highlighting the chain brake lever and front handle.



**Figure 3:** Detailed view of the chain and guide bar assembly, showing the cutting teeth and chain tensioning mechanism.



**Figure 4:** Close-up of the oil reservoir cap located on the top handle, used for filling chain lubricant.



Figure 5: View of the main rear handle with the trigger switch and a visible oil level indicator window.

## Key Components:

- **Guide Bar:** Supports and guides the saw chain.
- **Saw Chain:** The cutting tool with sharp teeth.
- **Chain Brake:** Safety device that stops the chain rotation.
- **Front Handle:** For stable two-hand operation.
- **Rear Handle:** Contains the trigger switch and power cord connection.
- **Oil Reservoir Cap:** For filling chain lubricant.
- **Oil Level Indicator:** Shows the amount of chain lubricant remaining.
- **Chain Tensioning Screw:** Adjusts the chain tension.

## 4. SETUP

Before first use, or after maintenance, ensure the chainsaw is correctly assembled and prepared.

### 4.1 Guide Bar and Chain Installation

1. Ensure the chainsaw is unplugged from the power source.
2. Remove the chain cover by loosening the retaining nuts.
3. Place the chain around the sprocket and then into the groove of the guide bar. Ensure the cutting edges of the chain teeth are facing in the correct direction (refer to the arrow on the guide bar or motor housing).

4. Fit the guide bar onto the mounting studs, ensuring the chain tensioning pin engages with the hole in the guide bar.
5. Replace the chain cover and hand-tighten the retaining nuts.
6. Adjust the chain tension using the tensioning screw. The chain should be snug against the guide bar but still able to be pulled freely by hand. There should be no slack on the underside of the guide bar.
7. Fully tighten the retaining nuts.

## 4.2 Filling the Chain Lubricant Reservoir

1. Ensure the chainsaw is unplugged and on a stable, level surface.
2. Unscrew the oil reservoir cap (see Figure 4).
3. Fill the reservoir with high-quality chain and bar oil. Do not use waste oil or motor oil.
4. Monitor the oil level using the indicator (see Figure 5).
5. Replace the oil cap securely.

## 5. OPERATING INSTRUCTIONS

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Always follow safety guidelines when operating the chainsaw.

### 5.1 Pre-Operation Checks

- Check chain tension.
- Ensure the oil reservoir is full.
- Inspect the power cord for damage.
- Verify the chain brake is functioning correctly.
- Confirm all covers and fasteners are securely in place.

### 5.2 Starting and Stopping the Chainsaw

1. **Starting:** Ensure the chain brake is disengaged (pulled back towards the front handle). Plug the chainsaw into a suitable 220V power outlet. Press the safety lock-off button (if present) and then squeeze the trigger switch to start the motor.
2. **Stopping:** Release the trigger switch. For emergency stops, push the chain brake lever forward to engage the brake.

### 5.3 Cutting Techniques

- Always maintain a firm grip with both hands.
- Stand in a balanced position.
- Allow the chain to reach full speed before contacting the wood.
- Avoid cutting with the tip of the guide bar to prevent kickback.
- Be aware of falling branches and shifting logs.
- When cutting a limb under tension, make an undercut first to prevent pinching.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your chainsaw.

## 6.1 Chain Sharpening

A sharp chain is crucial for safe and efficient cutting. Sharpen the chain regularly or replace it when dull. Refer to the chain manufacturer's specifications for the correct file size and sharpening angles.

## 6.2 Guide Bar Maintenance

- Clean the guide bar groove regularly to remove sawdust and debris.
- Flip the guide bar periodically to ensure even wear.
- Check for burrs on the guide bar rails and file them smooth if present.

## 6.3 Cleaning and Storage

- Disconnect the chainsaw from power before cleaning.
- Clean the motor housing and air vents with a brush or compressed air.
- Remove sawdust and debris from the chain and guide bar area.
- When storing, ensure the chain is oiled to prevent rust.
- Store the chainsaw in a dry, secure location, away from moisture and extreme temperatures.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your RURIS DAC 322E Electric Chainsaw.

Problem	Possible Cause	Solution
Chainsaw does not start	No power supply Chain brake engaged Damaged power cord	Check power outlet and connection Disengage chain brake Inspect and replace damaged cord
Chain does not move	Chain brake engaged Chain too tight Obstruction	Disengage chain brake Adjust chain tension Clear any debris from guide bar and chain
Poor cutting performance	Dull chain Incorrect chain tension Insufficient chain lubrication	Sharpen or replace chain Adjust chain tension Fill oil reservoir and check oil flow
Chainsaw overheats	Blocked air vents Overloading the motor Dull chain	Clean air vents Reduce cutting load, allow motor to cool Sharpen or replace chain
No chain lubrication	Empty oil reservoir Blocked oil port Incorrect oil type	Fill oil reservoir Clean oil port Use recommended chain and bar oil

## 8. SPECIFICATIONS

Technical data for the RURIS DAC 322E Electric Chainsaw.

Specification	Value

Specification	Value
Manufacturer	RURIS
Item Model Number	322e2015
Power Source Type	Corded Electric
Voltage	220 Volts
Power	2200 Watts
Horsepower (HP)	2200 Watt
Guide Bar Length	40 cm (implied from product title)
Color	Orange
Item Weight	5.99 Kilograms
Product Dimensions	47L x 28W x 20H centimeters
Battery(ies) Included	No
Battery(ies) Required	No
Spare Parts Availability	Information unavailable on spare parts

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about spare parts, please contact RURIS customer service or your authorized dealer. Keep your purchase receipt as proof of purchase.

For more information, you may visit the [RURIS brand page](#).