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## DURATECH DT105036AU

# DURATECH 20V Cordless Reciprocating Saw User Manual

Model: DT105036AU

## 1. INTRODUCTION

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Thank you for choosing the DURATECH 20V Cordless Reciprocating Saw. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your tool. Please read this manual thoroughly before use and keep it for future reference.

This powerful and versatile reciprocating saw is designed for cutting various materials including wood, metal, and plastic, offering convenience with its cordless design and tool-free blade change system.

## 2. SAFETY INSTRUCTIONS

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Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection, hearing protection, and appropriate work gloves. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Safety:** Only use the specified charger for the battery pack. Do not open the battery pack. Protect the battery pack from heat and fire.
- **Blade Safety:** Ensure the blade is securely installed before operation. Always use sharp blades. Do not touch the blade immediately after cutting as it may be hot.
- **Safety Lock:** Utilize the safety lock feature to prevent accidental starting.

## 3. PACKAGE CONTENTS

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Verify that all items are present upon unpacking:

- 1 x DURATECH 20V Cordless Reciprocating Saw

- 1 x 4.0Ah Lithium-Ion Battery Pack
- 1 x Fast Charger
- 4 x Saw Blades (various types for wood and metal)
- 1 x User Manual (this document)
- 1 x Storage Case (43\*29\*14cm)



Image: The complete package contents including the saw, battery, charger, blades, and storage case.

## 4. PRODUCT FEATURES AND COMPONENTS

Familiarize yourself with the parts of your reciprocating saw:

# Cordless Reciprocating Saw



Image: Labeled diagram showing the main components of the reciprocating saw, including the lock-off button, ventilation holes, LED light, saw blade, saw blade holder, tool-free blade change chuck, locking button for sole plate, and battery pack.

- **Lock-Off Button:** Prevents accidental starting.
- **Ventilation Holes:** Ensure proper motor cooling.
- **LED Light:** Illuminates the cutting area for improved visibility in dark environments.
- **Saw Blade Holder:** Secures the saw blade.
- **Tool-Free Blade Change Chuck:** Allows for quick and easy blade replacement without additional tools.
- **Locking Button for Sole Plate:** Adjusts the position of the sole plate.
- **Battery Pack:** Provides cordless power to the saw.
- **Stepless Speed Control Switch (Trigger):** Allows for variable speed control from 0-3000 SPM.
- **Pivot Shoe/Detachable Sole Plate:** Provides stability during cutting and can be adjusted.

## 5. SETUP

## 5.1. Battery Installation and Charging

The saw is powered by a 20V 4.0Ah Lithium-Ion battery. Ensure the battery is fully charged before first use.

1. To install the battery, align the battery pack with the slot at the base of the saw handle and slide it in until it clicks into place.
2. To remove the battery, press the release button on the battery pack and slide it out.
3. To charge the battery, connect the charger to a power outlet and insert the battery pack into the charger. The indicator lights on the charger will show the charging status. A full charge typically takes 100-120 minutes.
4. The battery pack features a remaining capacity display. Press the button on the battery to check the charge level.



Image: Illustration of the 4.0Ah Lithium-Ion battery and fast charger, highlighting the remaining capacity display and indicator lights.

## 5.2. Blade Installation and Removal (Tool-Free)

The tool-free blade change chuck allows for quick and easy blade changes.

1. **To install a blade:** Rotate the chuck counterclockwise. Insert the saw blade fully into the blade holder. Release the

chuck, and the blade will lock automatically. Ensure the blade is securely seated by gently pulling on it.

2. **To remove a blade:** Rotate the chuck counterclockwise. The blade will release, allowing you to pull it out.



Image: Two images demonstrating the tool-free blade change mechanism: one showing the chuck rotation and another showing blade insertion.

## 6. OPERATING INSTRUCTIONS

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### 6.1. Starting and Stopping the Saw

1. To start the saw, first press the **safety lock button** (located on the side of the handle) and then squeeze the **variable speed trigger**.
2. The saw will only operate when both the safety lock and trigger are engaged.
3. To stop the saw, release the variable speed trigger.



Image: Close-up showing the safety lock button and the variable speed trigger on the saw handle.

### 6.2. Variable Speed Control

The saw features a variable speed trigger, allowing you to adjust the cutting speed from 0 to 3000 strokes per minute (SPM). Pressing the trigger further increases the speed. This allows for optimal control when cutting different materials and starting cuts.



## *Variable Speed Control System & Powerful Motor*



0-3000 SPM

22mm Stroke Length

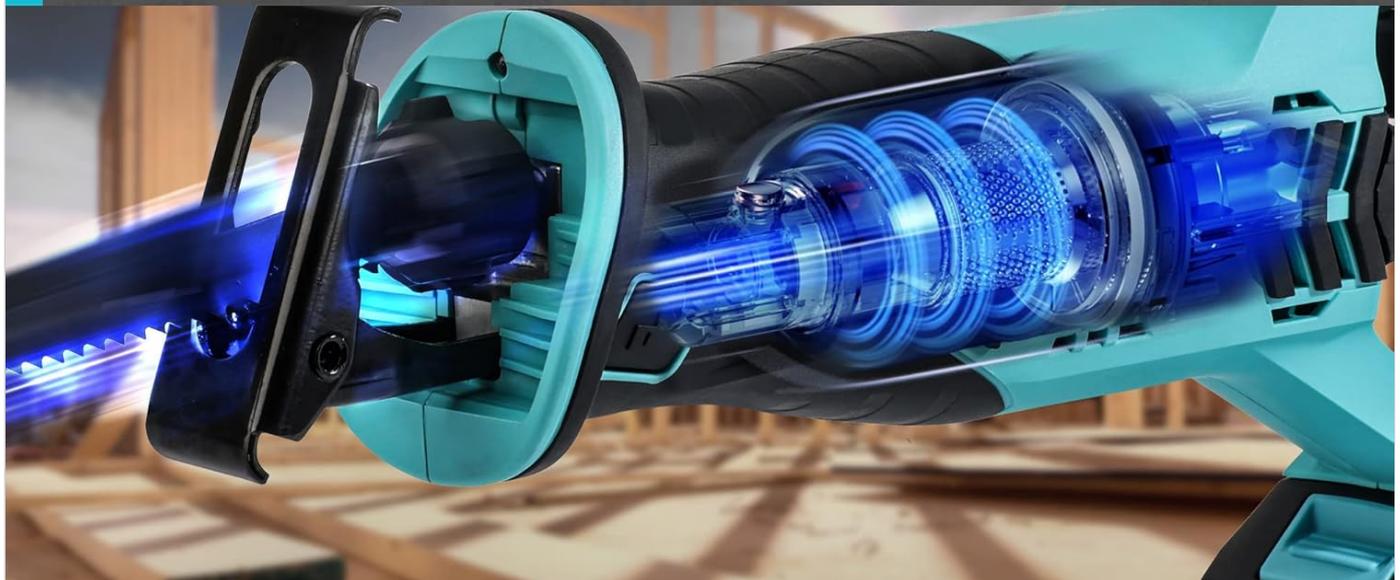


Image: Visual representation of the variable speed control system and powerful motor, indicating 0-3000 SPM and 22mm stroke length.

### 6.3. Adjusting the Sole Plate

The adjustable sole plate can be positioned to achieve different cutting angles and depths. Use the locking button for the sole plate to adjust its position as needed for your specific cutting task.

### 6.4. Cutting Different Materials

This reciprocating saw is suitable for a variety of materials. Always select the appropriate blade for the material you are cutting.

- **Wood Cutting:** Use a coarse-toothed blade for wood. Apply steady pressure and allow the saw to do the work.
- **Metal Cutting:** Use a fine-toothed metal cutting blade. Apply cutting oil to prolong blade life and reduce heat. Use a slower speed for harder metals.
- **Plastic Cutting:** Use a fine-toothed blade. Start with a slower speed to prevent melting the plastic.
- **Branch Pruning:** Use a coarse-toothed blade designed for wood/pruning.

## MULTIPURPOSE

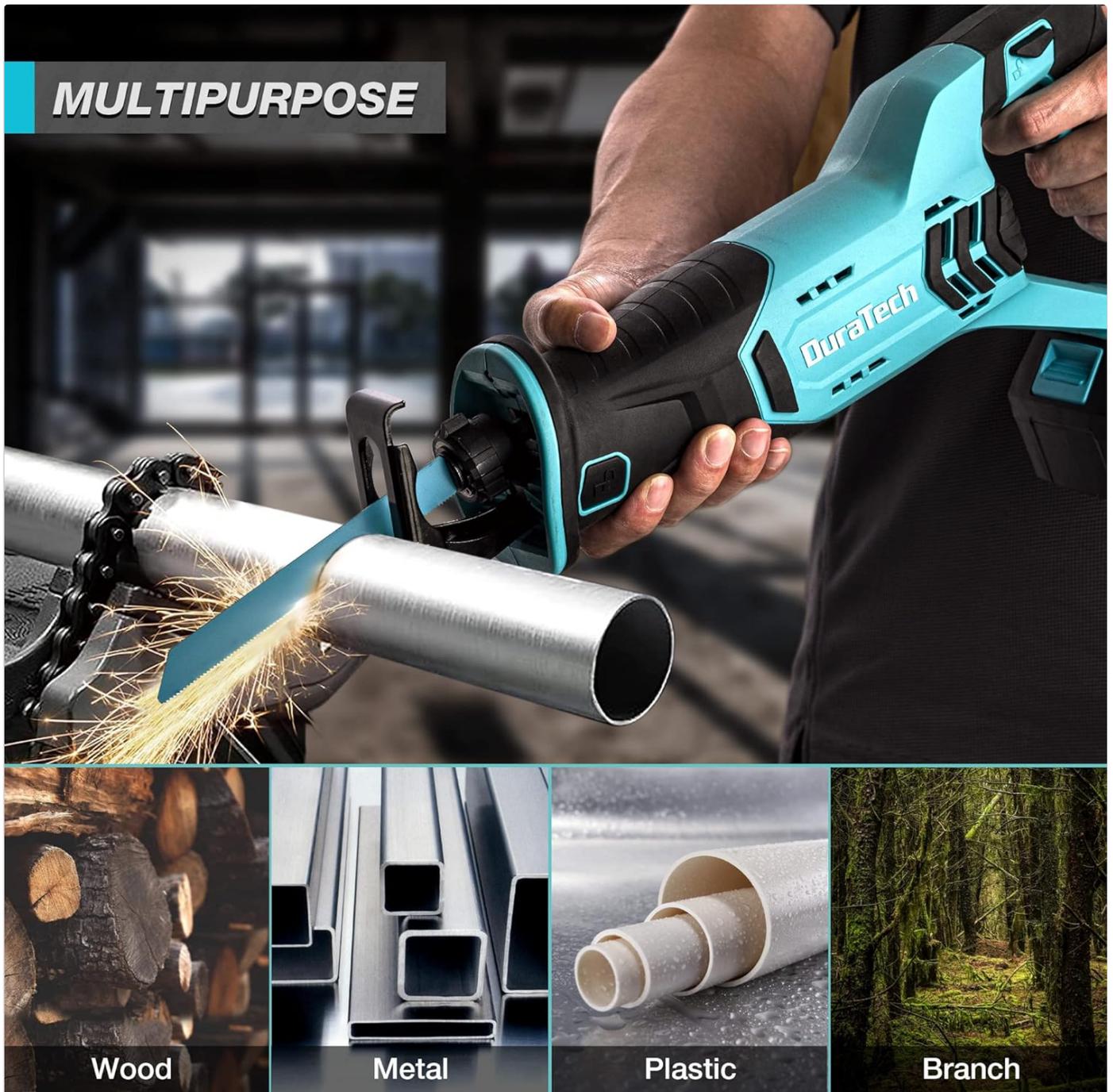


Image: The reciprocating saw shown cutting wood, metal, plastic, and branches, demonstrating its multipurpose capabilities.

Your browser does not support the video tag.

Video: A demonstration of the DURATECH 20V Cordless Reciprocating Saw in action, showcasing its features like tool-free blade change, safety lock, variable speed trigger, and its ability to cut wood, PVC, metal, and branches.

## 7. MAINTENANCE

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

- **Cleaning:** After each use, clean the tool with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure ventilation openings are clear of debris.
- **Blade Care:** Always use sharp blades. Dull blades can cause overheating and inefficient cutting. Replace worn or damaged blades promptly.
- **Battery Storage:** Store the battery pack in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the battery to approximately 50%.
- **General Inspection:** Periodically check for loose screws, damaged cords (if applicable to charger), or any other

signs of wear or damage. Have any issues repaired by qualified personnel.

## 8. TROUBLESHOOTING

| Problem                     | Possible Cause   | Solution  |
|-----------------------------|--|---|
| Saw does not start          | Battery not charged or improperly installed; Safety lock not engaged; Faulty switch. | Ensure battery is charged and correctly inserted. Press the safety lock button before squeezing the trigger. If problem persists, contact customer support. |
| Reduced cutting performance | Dull or incorrect blade; Low battery charge; Overheating.                            | Replace with a sharp, appropriate blade. Recharge the battery. Allow the tool to cool down.   |
| Excessive vibration         | Loose blade; Damaged blade; Loose components.  | Check blade installation. Replace damaged blade. Inspect the tool for loose parts.  |

## 9. SPECIFICATIONS

| Feature                 | Detail   |
|-------------------------|--|
| Model Number            | DT105036AU   |
| Brand                   | DURATECH   |
| Voltage                 | 20 Volts   |
| Battery Type            | Lithium-Ion  |
| Battery Capacity        | 4.0Ah  |
| No-Load Speed           | 0-3000 RPM (Strokes per Minute)  |
| Stroke Length           | 22mm   |
| Cutting Capacity (Wood) | 100mm  |
| Cutting Capacity (Iron) | 6mm  |
| Blade Length            | 23 Centimeters   |
| Weight (with battery)   | 2.35 kg  |
| Dimensions (Saw)        | 34 x 2.9 x 22 cm   |
| Special Features        | Tool-free blade change, LED light, Variable speed trigger, Safety lock |

# SPECIFICATIONS

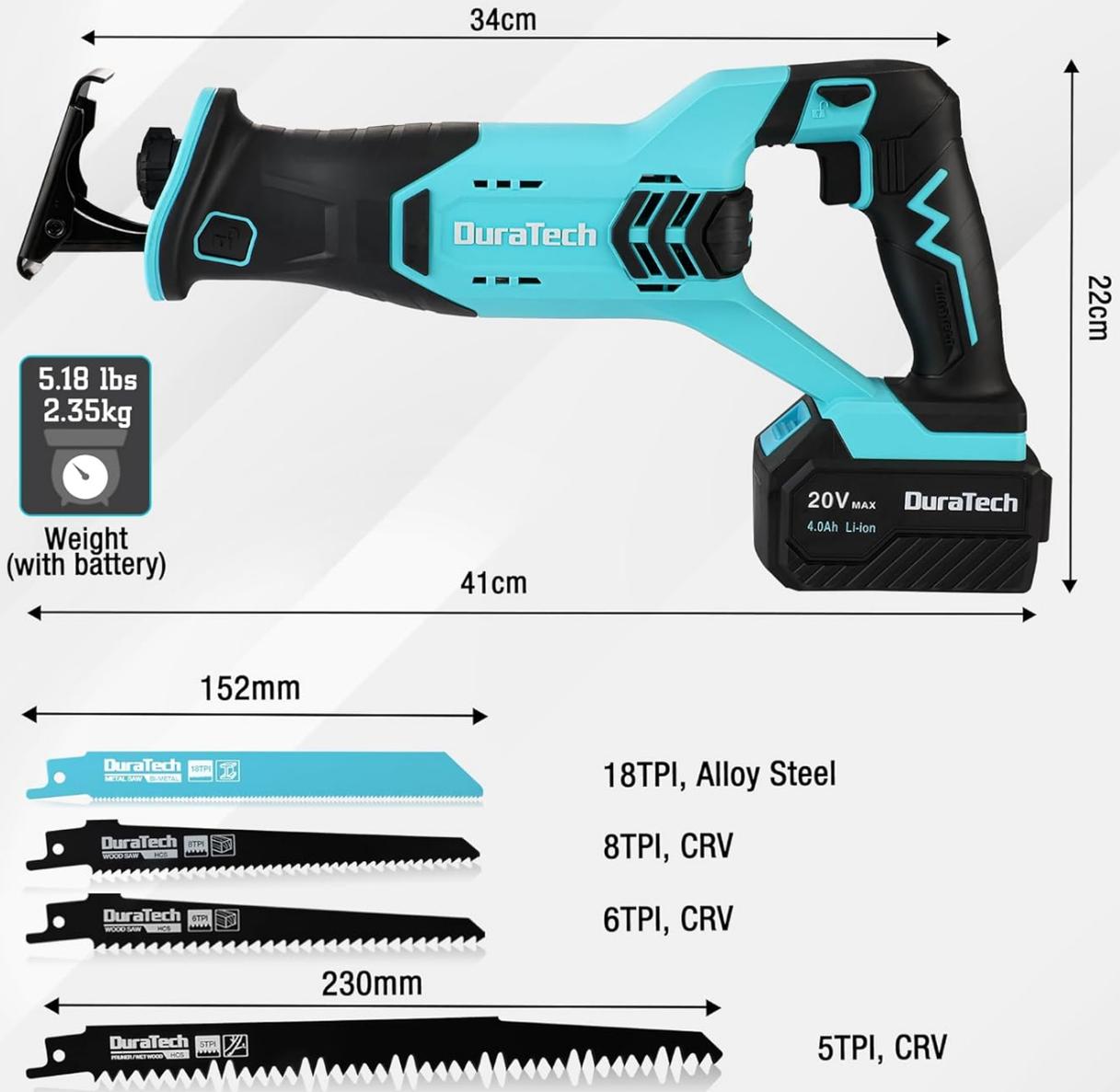


Image: Diagram illustrating the saw's dimensions and the types of blades included, along with their TPI (teeth per inch) and material.

## 10. WARRANTY AND SUPPORT

DURATECH products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the contact information provided on your product packaging or visit the official DURATECH website.

Please retain your proof of purchase for warranty claims.

