Makita DUH523Z

Makita DUH523Z 18V Cordless Lithium-Ion Hedge Trimmer User Manual

Model: DUH523Z

Introduction

Thank you for choosing the Makita DUH523Z 18V Cordless Lithium-Ion Hedge Trimmer. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before use and keep it for future reference.
The Makita DUH523Z is designed for efficient and precise trimming of hedges and bushes, offering cordless freedom and a lightweight, balanced design for comfortable use over extended periods.

Safety Instructions

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

- Read all instructions before operating the tool.
- Wear appropriate personal protective equipment (PPE), including eye protection, gloves, and sturdy footwear.
- Ensure the work area is clear of debris, obstacles, and bystanders.
- Do not operate the hedge trimmer in wet conditions or in the presence of flammable liquids or gases.
- Keep hands and feet away from the cutting blades.
- Remove the battery pack before performing any adjustments, changing accessories, or storing the tool.
- Use only Makita recommended batteries and chargers.
- Store the tool indoors in a dry, secure place out of reach of children.

Setup

Before first use, ensure the battery is fully charged. The Makita DUH523Z is compatible with Makita 18V LXT Lithium-Ion batteries (battery not included).

1. **Battery Installation:** Align the battery pack with the battery port on the tool and slide it in until it clicks into place. Ensure it is securely latched.

2. **Blade Cover Removal:** Carefully remove the blade cover from the cutting blade before operation. Keep the blade cover for safe storage.



Image: Makita DUH523Z Hedge Trimmer. The tool features a long cutting blade and a protective handguard.

Operating Instructions

The Makita DUH523Z is designed for ease of use and efficient trimming.

1. **Starting the Trimmer:** To start the trimmer, depress the safety lock-off button and then squeeze the trigger switch. The blades will begin to move.
2. **Trimming Technique:**
    - Hold the trimmer firmly with both hands.
    - Maintain a stable stance.
    - Move the trimmer smoothly along the hedge, allowing the blades to cut through the branches.
    - For best results, use a sweeping motion, cutting small amounts at a time.
    - Avoid forcing the blades through thick branches; the 15mm cutting diameter is optimal for most hedge material.
3. **Stopping the Trimmer:** Release the trigger switch to stop the blades.



Image: A person wearing safety glasses and gloves is using the Makita DUH523Z hedge trimmer to trim a green bush. The cordless design allows for freedom of movement.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your hedge trimmer.

- **Blade Cleaning:** After each use, remove the battery and clean the blades with a stiff brush to remove sap and debris.
- **Blade Lubrication:** Apply a light coat of machine oil or blade lubricant to the cutting blades to prevent rust and ensure smooth operation.
- **Blade Sharpening:** If the blades become dull, they can be sharpened by a qualified service technician or replaced. The user-replaceable blade feature allows for easy replacement without disassembling the housing.
- **Battery Care:** Store batteries in a cool, dry place. Do not expose them to extreme temperatures.
- **General Cleaning:** Wipe down the tool's exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

Troubleshooting

Problem	Possible Cause	Solution
Trimmer does not start	Battery not inserted correctly or not charged.	Ensure battery is fully charged and properly inserted.
Blades are dull or not cutting effectively	Blades are dirty, dull, or damaged.	Clean and lubricate blades. Sharpen or replace blades if necessary.
Excessive vibration	Damaged blades or internal components.	Inspect blades for damage. If vibration persists, contact Makita service.
Battery capacity warning lamp blinking/solid red	Battery power is low or depleted.	Recharge the battery pack.

Specifications

- **Model:** DUH523Z
- **Voltage:** 18V
- **Max Output:** 210W
- **Blade Length:** 520mm (20.5 inches)
- **Cutting Diameter:** 15mm
- **No Load Speed:** 1,350rpm
- **Net Weight:** 3.3kg (7.28 lbs)
- **Sound Level:** 89 dB
- **Charging Time:** 22 minutes (with compatible charger and battery)
- **Blade Material:** Stainless Steel
- **Product Dimensions:** 36.93 x 7.68 x 7.64 inches

Warranty and Support

For warranty information, service, or to purchase genuine Makita replacement parts, please visit the official Makita website or contact your local authorized Makita service center. Keep your proof of purchase for warranty claims.
Official Makita Website: www.makitatools.com
Makita Store: Visit the Makita Store on Amazon

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