Makita DUR368AZ

Makita DUR368AZ Twin 18V (36V) Li-Ion LXT Brushless Brush Cutter User Manual

Model: DUR368AZ | **Brand:** Makita

Product Overview

The Makita DUR368AZ is a powerful Twin 18V (36V) Li-Ion LXT Brushless Brush Cutter designed for efficient and precise cutting tasks. It features an offset bike-type handle for comfortable operation and a robust brushless motor for consistent performance.



Figure 1: Full view of the Makita DUR368AZ Brush Cutter, showcasing its long shaft, bike-type handle, and battery housing at the rear.

Key features include:

- **Brushless Motor:** Provides increased power and longer tool life.
- **Constant Speed Control:** Maintains rotation speed under load for consistent cutting.
- **3-Speed Settings:** Low, medium, and high speeds to match various applications.
- **350mm Cutting Width:** Equipped with a nylon cutting head for efficient trimming.
- **Reverse Rotation System:** Allows quick clearing of tangled grass and weeds from the trimmer head.
- **Automatic Torque Drive Technology (ADT):** Adjusts speed and torque for optimal performance.
- **Active Feedback Sensing Technology (AFT):** Automatically turns off the motor if blade rotation is suddenly stopped.

- **Two-Stage Safety Trigger Switch:** Ensures safe operation with an electronic power on/off button.

Safety Information

WARNING: Read and understand all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always wear appropriate safety gear, including eye protection and sturdy gloves.
- Never operate the tool without the safety guard in place.
- Be aware of the tool's high speed and cutting width to avoid potential hazards from flying debris.
- Use caution when starting the tool and be mindful of the reverse rotation system.
- Always handle batteries with care and follow the manufacturer's guidelines for charging and storage.
- Always use the two-stage safety trigger switch to ensure safe operation.
- If the blade rotation suddenly stops, the tool will automatically turn off to prevent injuries.

Specifications

Feature	Specification
Brand	Makita
Model Number	DUR368AZ
Power Source	Battery Powered (Twin 18V / 36V Li-Ion LXT)
Item Weight	7.5 Pounds
Cutting Width	350mm (with nylon cutting head)
Max Speed	6500 RPM
Product Dimensions	72.64 x 6.89 x 8.39 inches
Spindle Size	M10 x 1.25 L

Setup and Assembly

The Makita DUR368AZ is designed for quick setup. While assembly is minimal, proper battery installation and handle adjustment are crucial for safe and effective operation.

1. Battery Installation

1. Ensure the brush cutter is turned off and the safety trigger is disengaged.
2. Locate the battery compartments at the rear of the tool.
3. Insert two 18V Li-ion LXT slide-type batteries (not included) into their respective slots until they click securely into place. Ensure they are fully seated.
4. **Note:** The DUR368AZ is not compatible with G-Series batteries. Using non-genuine or incompatible batteries will invalidate the Makita guarantee.



Figure 2: Close-up view of the Makita DUR368AZ's battery housing, where two 18V Li-ion LXT batteries are inserted to power the unit.

2. Handle Adjustment

The brush cutter features an offset bike-type handle for ergonomic use. Adjust the handle position to a comfortable and balanced operating stance before use. Ensure all fasteners are tightened securely after adjustment.



Figure 3: Side view of the Makita DUR368AZ, highlighting the adjustable bike-type handle and the overall balance of the tool.

3. Safety Guard Installation

Ensure the small guard is properly installed over the cutting head. This guard is essential for user safety and increased visibility during operation.

Operating Instructions

1. Starting the Tool

1. Once batteries are installed, press the electronic power on button.
2. Engage the two-stage safety trigger switch to start the motor. The tool features a soft start for smooth initial operation.

2. Adjusting Speed

The DUR368AZ offers three speed settings (low, medium, high) to optimize performance for different cutting conditions. Use the speed selector switch to choose the appropriate speed for the application.

- **Low Speed:** For light trimming and extended battery life.

- **Medium Speed:** For general cutting tasks.
- **High Speed:** For dense brush and demanding applications, delivering up to 6,500 RPM.

3. Using the Reverse Rotation System

If the nylon cutting head becomes tangled with grass or weeds, activate the reverse rotation system. This feature allows the head to spin in reverse, quickly clearing debris without manual intervention.

4. Automatic Torque Drive Technology (ADT)

The ADT system automatically adjusts the motor's speed and torque during operation. This ensures optimum performance by providing more power when needed and conserving energy during lighter loads.

5. Active Feedback Sensing Technology (AFT)

For enhanced safety, the AFT system monitors the blade rotation. If the blade rotation is suddenly forced to stop (e.g., hitting a hard object), the AFT will automatically turn off the motor to prevent kickback and potential injury.

6. Nylon Cord Feeding

The nylon cord is automatically fed out by tapping the cutting head onto the ground while the tool is running. This allows for continuous cutting without manual adjustment of the line.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your Makita DUR368AZ brush cutter.

1. Cleaning

- After each use, clean the tool, especially the cutting head and motor housing, to remove grass, dirt, and debris.
- Use a dry cloth or soft brush. Do not use water or solvents that could damage electrical components.

2. Blade/Nylon Head Changes

The DUR368AZ comes with an on-tool hex wrench for quick and easy blade or nylon cutting head changes. Always ensure the tool is off and batteries are removed before performing any maintenance on the cutting head.

3. Storage

Store the brush cutter in a clean, dry place, out of reach of children. Remove batteries if storing for extended periods.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start	Batteries not inserted correctly or discharged. Safety trigger not fully engaged.	Ensure both 18V batteries are fully charged and securely inserted. Fully engage the two-stage safety trigger switch.
Cutting head stops suddenly	AFT system activated due to obstruction or blade jam.	Turn off the tool, remove batteries, clear any obstruction from the cutting head. Restart the tool.

Nylon cord not feeding	Cord is jammed or depleted.	Tap the cutting head on the ground while running. If still not feeding, turn off and remove batteries, then inspect and clear any tangles or replace the nylon cord.
Reduced cutting performance	Nylon cord worn or incorrect speed setting.	Ensure nylon cord is at optimal length. Select a higher speed setting if cutting dense material.

Warranty and Support

The Makita DUR368AZ comes with a **1-year manufacturer warranty**. An additional **2 years of warranty** can be obtained by registering the product within 30 days of purchase.

Important Warranty Information:

- This guarantee does not apply where non-genuine or recommended parts or accessories are fitted to the tool.
- The use of non-genuine or compatible batteries and chargers with Makita tools will invalidate the Makita guarantee for our tools.

For further support, product registration, or to find authorized service centers, please visit the official Makita website or refer to the contact information provided with your purchase.

You can also visit the Makita Store on Amazon for more product information and accessories.

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