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Makita DLM330Z

Makita DLM330Z 18V LXT Cordless Lawnmower Instruction Manual

Model: DLM330Z

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita DLM330Z 18V LXT Cordless Lawnmower. Please read this manual thoroughly before using the product and keep it for future reference.
The Makita DLM330Z is a versatile 3-in-1 cordless lawnmower designed for cutting, collecting, and mulching. It features an 18V Li-ion LXT slide-type battery system (battery and charger sold separately), a 330mm cutting width, and adjustable cutting heights for various lawn conditions.

General Safety Information

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual handy for quick reference.

- **Read all instructions:** Familiarize yourself with the controls and proper use of the equipment.
- **Wear appropriate attire:** Always wear sturdy footwear, long trousers, and eye protection. Avoid loose clothing that could get caught in moving parts.
- **Clear the area:** Before mowing, remove stones, sticks, wires, and other debris that could be thrown by the blade.
- **Keep bystanders away:** Do not allow children or pets near the mower while it is in operation.
- **Operate in daylight or good artificial light:** Ensure clear visibility of the mowing area.
- **Avoid wet grass:** Do not operate the mower in wet conditions, as this can be slippery and increase the risk of electric shock.
- **Maintain the mower:** Regularly check for damaged parts and ensure all fasteners are tight.
- **Disconnect battery:** Always remove the battery pack before cleaning, adjusting, or performing maintenance.
- **Use genuine parts:** Only use genuine Makita replacement parts and accessories. Use of non-genuine parts may void your warranty and compromise safety.

Product Overview

The Makita DLM330Z is a compact and efficient cordless lawnmower. Key features include:

- 18V LXT Li-ion battery power (battery and charger not included)
- 330mm (13 inch) cutting width
- 3-in-1 functionality: cutting, collecting, and mulching
- 8 cutting height settings (20mm to 75mm)
- Foldable handle for easy storage and transport
- 30-liter grass catcher with level indicator
- Electric brake for enhanced safety
- Child lock key for preventing accidental startup



Figure 1: Front view of the Makita DLM330Z Cordless Lawnmower. This image shows the overall design of the lawnmower, including the handle, motor housing, and grass catcher.

Setup and Assembly

Before first use, some assembly is required. Ensure all components are present and undamaged.

1. **Handle Assembly:**
   Unfold the handle and secure it in the operating position using the easy-to-operate handle lock levers. Each side of the handle can be locked and unlocked with a single action without tools.
2. **Grass Catcher Attachment:**
   Assemble the 30-liter grass catcher if it came disassembled. Attach the grass catcher to the rear of the lawnmower. Ensure it is securely fitted to prevent grass clippings from escaping.



Figure 2: Angled view of the Makita DLM330Z with the grass catcher attached. This illustrates how the grass catcher integrates with the main body of the mower.

3. **Battery Installation:**
   Insert a fully charged 18V Li-ion LXT slide-type battery (not included) into the battery compartment. Ensure the battery is securely latched. The lawnmower features a battery capacity warning lamp.



Figure 3: Close-up view of the battery compartment on the Makita DLM330Z. This shows where the 18V LXT battery is inserted.

Operating Instructions

1. **Adjusting Cutting Height:**
   The cutting height can be adjusted from 20mm to 75mm using the single lever located on the side of the mower. Select the appropriate height for your lawn conditions. For best results, avoid cutting more than one-third of the grass blade length at a time.



Figure 4: Close-up of the cutting height adjustment lever on the Makita DLM330Z. The lever allows selection of 8 different cutting heights.

2. **Starting the Lawnmower:**
   Ensure the child lock key is inserted. Press the lock-off button and then pull the switch lever towards the handle to start the mower. The soft start feature ensures smooth activation. Release the lock-off button once the motor starts.
3. **Mowing Technique:**
   Push the mower at a steady pace. Overlapping each pass slightly will ensure an even cut. For optimal grass collection, ensure the grass catcher is not overfilled. For mulching, remove the grass catcher and ensure the mulching plug (if included) is correctly installed.



Figure 5: The Makita DLM330Z cordless lawnmower being used to cut grass. This demonstrates the mower in its intended operating environment.

4. **Stopping the Lawnmower:**
   Release the switch lever to engage the electric brake and stop the blade quickly. Always remove the child lock key and the battery pack when leaving the mower unattended or before performing any adjustments or maintenance.

Maintenance

Regular maintenance ensures the longevity and safe operation of your lawnmower.

- **Blade Inspection and Cleaning:**
  Regularly inspect the blade for sharpness and damage. A dull or damaged blade can lead to poor cutting performance and excessive battery drain. Clean grass clippings from the blade and cutting deck after each use. **Always remove the battery before inspecting or cleaning the blade.**



Figure 6: Close-up view of the two-tooth cutting blade of the Makita DLM330Z. This shows the blade attached to the underside of the mower deck.

- **Grass Catcher Cleaning:**
  Empty and clean the grass catcher regularly to maintain optimal airflow and collection efficiency.
- **General Cleaning:**
  Wipe down the exterior of the mower with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Avoid spraying water directly onto electrical components.
- **Storage:**
  Store the lawnmower in a dry, secure location. The handle can be folded for compact storage and easy transport.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Mower does not start	Battery not inserted correctly Battery discharged Child lock key not inserted Lock-off button not pressed before switch lever	Ensure battery is fully seated Charge battery or replace with a charged one Insert child lock key Press lock-off button, then pull switch lever
Poor cutting performance	Dull or damaged blade Cutting height too low for grass condition Grass catcher overfilled or clogged	Sharpen or replace blade (refer to maintenance) Increase cutting height Empty and clean grass catcher
Excessive vibration	Damaged or unbalanced blade Loose fasteners	Inspect and replace blade if necessary Check and tighten all screws and bolts

Specifications

Feature	Detail
Model Number	DLM330Z
Power Source	18V Li-ion LXT Battery (not included)
Cutting Width	330 mm (13 inches)
Cutting Height Adjustment	8 positions, 20 mm - 75 mm
Grass Catcher Capacity	30 Liters
Functions	Cutting, Collecting, Mulching
No-Load Speed	4,300 rpm
Weight (without battery)	12.5 kg (27.5 lbs)
Product Dimensions (L x W x H)	53.15" x 14.76" x 38.39" (approx.)

Warranty and Support

Makita offers a 1-year manufacturer warranty on this product. An additional 2 years of warranty coverage can be obtained by registering your product within 30 days of purchase. Please note that this guarantee does not apply if non-genuine or non-recommended parts or accessories are fitted to the tool. The use of non-genuine or incompatible batteries and chargers with Makita tools will invalidate the Makita guarantee for our tools.
For warranty claims, technical support, or to find authorized service centers, please visit the official Makita website or contact Makita customer service.

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