

## MTD Optima 42 E (18AKPJL-600)

# MTD Optima 42 E Electric Lawn Mower User Manual

Model: Optima 42 E (18AKPJL-600)

## INTRODUCTION

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Thank you for choosing the MTD Optima 42 E Electric Lawn Mower. This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your lawn mower. Please read these instructions carefully before using the product and keep them for future reference. This electric lawn mower is designed for efficient grass cutting on small to medium-sized lawns, offering proven technology and user-friendly features.

## SAFETY INSTRUCTIONS

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

- Always wear appropriate personal protective equipment, including safety glasses, sturdy footwear, and hearing protection, when operating the lawn mower.
- Ensure the work area is clear of debris, stones, and other objects that could be thrown by the blades.
- Keep children and pets away from the operating area.
- Never operate the lawn mower in wet conditions or rain to avoid electric shock.
- Inspect the power cord for damage before each use. Do not use if the cord is damaged.
- Disconnect the power supply before cleaning, adjusting, or performing maintenance on the lawn mower.
- Do not modify the lawn mower or use it for purposes other than those specified in this manual.
- Be aware of the power cord's position to prevent accidental cutting or entanglement.

## PACKAGE CONTENTS

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Upon unpacking, ensure all components are present and undamaged. If any parts are missing or damaged, contact your retailer immediately.

- MTD Optima 42 E Electric Lawn Mower Unit
- Grass Collection Box
- Handle Assembly
- User Manual (this document)

## **SETUP AND ASSEMBLY**

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### **1. Handle Assembly**

Unfold the handle assembly and secure it in place using the provided fasteners. Ensure the handle is firmly locked for safe operation. The handle is fully foldable for space-saving storage.

### **2. Grass Collection Box Attachment**

Assemble the grass collection box according to the instructions provided with the box. Once assembled, attach it securely to the rear of the lawn mower. Ensure it clicks into place to prevent detachment during operation.



Figure 1: MTD Optima 42 E Electric Lawn Mower with handle and grass collection box assembled.

### **3. Power Connection**

Connect the lawn mower's power cord to a suitable outdoor extension cord. Ensure the extension cord is rated for outdoor use and has sufficient gauge for the mower's power requirements (1800 W). Always use a residual current device (RCD) for added safety.

## **OPERATING INSTRUCTIONS**

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### **1. Adjusting Cutting Height**

The MTD Optima 42 E features a central cutting height adjustment for easy modification. Locate the height adjustment lever, typically near one of the wheels or centrally on the deck. Move the lever to select your desired cutting height. The adjustable cutting height ranges from 25 mm (minimum) to 85 mm (maximum).



Figure 2: Close-up of the mower deck, showing the cutting height adjustment mechanism.

## 2. Starting the Lawn Mower

Ensure the power cord is securely connected. Press and hold the safety switch, then pull the operating lever towards the handle. The mower will start. Release the safety switch once the mower is running, but keep the operating lever engaged.

## 3. Mowing Techniques

- Mow in overlapping rows to ensure even coverage.
- For best results, avoid cutting more than one-third of the grass blade length at a time.
- Always push the mower forward; do not pull it towards you.
- Be mindful of the power cord's position to prevent accidental cutting.
- The grass collection box has a level indicator; empty it when full to maintain optimal collection performance.

## 4. Stopping the Lawn Mower

Release the operating lever to stop the motor. The blade will cease rotation within a few seconds. Always disconnect the power cord from the mains supply after use and before any adjustments or maintenance.

# MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your MTD Optima 42 E lawn mower.

## 1. Cleaning

- After each use, disconnect the power and clean the underside of the mower deck to remove grass clippings. Use a brush or scraper; do not use water directly on electrical components.
- Clean the grass collection box regularly.
- Wipe down the exterior surfaces with a damp cloth.

## 2. Blade Care

- Periodically inspect the blade for sharpness and damage. A dull or damaged blade can affect cutting performance and put strain on the motor.
- If the blade needs sharpening or replacement, always use genuine MTD replacement parts and follow the instructions in the service manual or consult a qualified technician.
- Always wear heavy-duty gloves when handling the blade.

## 3. Storage

Store the lawn mower in a dry, secure location, away from children and pets. The fully foldable handle

allows for space-saving storage. Ensure the power cord is neatly coiled and stored to prevent damage.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Mower does not start	No power supply; Safety switch not engaged; Operating lever not pulled.	Check power connection and circuit breaker; Ensure safety switch is pressed and operating lever is pulled simultaneously.
Poor cutting performance	Dull or damaged blade; Grass collection box full; Cutting height too low for grass length.	Inspect and sharpen/replace blade; Empty grass collection box; Adjust cutting height.
Excessive vibration	Damaged or unbalanced blade; Loose components.	Inspect blade for damage and balance; Tighten all fasteners. If problem persists, consult a technician.
Motor stops during operation	Overload due to thick grass; Thermal overload protection activated.	Reduce load by raising cutting height or mowing smaller sections; Allow motor to cool down before restarting.

## SPECIFICATIONS

**Model:** Optima 42 E (18AKPJL-600)

**Brand:** MTD

**Power Source:** Corded Electric

**Motor Power:** 1800 W

**Cutting Width:** 42 Centimeters

**Adjustable Cutting Height:** 25 mm (min) to 85 mm (max)

**Material:** Polypropylene

**Color:** Red

**Item Weight:** 18.2 Kilograms

**Product Dimensions (L x W x H):** 78 x 53 x 39 cm

**Assembly Required:** Minimal (handle and grass box assembly)

**Components Included:** Lawn Mower Unit

## WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please refer to the official MTD website or contact your local MTD dealer. Keep your proof of purchase for warranty claims. Specific warranty terms and conditions may vary by region.

**Manufacturer:** MTD

**Model Number:** 18AKPJL-600

**ASIN:** B01BOF2NDG

