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Stihl RME 235

Stihl RME 235 Electric Lawn Mower User Manual

Model: RME 235

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1. INTRODUCTION

Thank you for choosing the Stihl RME 235 Electric Lawn Mower. This manual provides essential information for the safe and efficient operation, maintenance, and care of your new lawn mower. Please read these instructions thoroughly before first use and keep them for future reference. Proper use and maintenance will ensure the longevity and optimal performance of your Stihl RME 235.



Figure 1: Stihl RME 235 Electric Lawn Mower. This image shows the complete lawn mower with its orange and white casing, handle, and grass collection box.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage:

- **Read the Manual:** Familiarize yourself with all controls and proper use of the machine.
- **Personal Protective Equipment:** Always wear sturdy footwear and long trousers. Do not operate the machine barefoot or in open sandals.
- **Clear the Area:** Before mowing, clear the area of stones, sticks, wires, bones, and other foreign objects that could be thrown by the blade.
- **Inspect the Mower:** Before each use, check the power cord for damage. If damaged, have it replaced by a qualified technician.
- **Keep Bystanders Away:** Keep children, pets, and other people away from the mowing area.
- **Avoid Wet Grass:** Do not mow in wet conditions, as this can be hazardous and reduce cutting efficiency.
- **Maintain a Safe Distance:** Always keep hands and feet away from the cutting blade.

- **Disconnect Power:** Always disconnect the power supply before cleaning, adjusting, or performing maintenance on the mower.
- **Slope Operation:** Exercise extreme caution when mowing on slopes. Mow across the face of slopes, never up and down.
- **Storage:** Store the mower in a dry, secure place, out of reach of children.

3. SETUP

3.1 Unpacking and Assembly

Carefully remove all components from the packaging. Ensure all parts listed in the package contents are present.

3.1.1 Handle Assembly

1. Unfold the upper handle section and align it with the lower handle section.
2. Secure the handle sections using the provided quick-release levers or bolts. Ensure they are tightened firmly.
3. Attach the power cable to the handle using the cable clips to prevent it from interfering with operation.

3.1.2 Grass Collection Box Assembly

Assemble the grass collection box according to the diagrams in the separate assembly guide (if provided). Once assembled, hook the grass box onto the rear of the mower chassis.

Compact. Powerful. Easy to Use.

Central Cutting Height Adjustment Lever

Cable Strain Relief System

Lightweight Compact Frame

Durable Alloy Steel Construction

30L Foldable Grass Catcher Box

30L Foldable Grass Catcher Box

SIDE SPECIFICATIONS

- 1200W** Rated Power
- 33 cm** Cutting Width
- 5** Height Settings (25-60 mm)
- Max Lawn Area: 300 m²**
- Weight: 13 kg**
- 3200 RPM** Blade Speed
- Sound Pressure Level: 80 dB(A)**

BENEFITS:

- ✓ Perfect for Small Gardens
- ✓ Easy Storage - Foldable Handlebar
- ✓ Low Noise for Residential Areas
- ✓ Smooth Maneuverability
- ✓ Dense Grass Collection with Airstream Technology

Figure 2: Stihl RME 235 with key features. This image illustrates the mower's compact frame, cable strain relief system, central cutting height adjustment lever, and 30L foldable grass catcher box.

3.2 Connecting to Power

Connect the mower's power cable to a suitable outdoor extension cord. Ensure the extension cord is rated for outdoor use and has sufficient current capacity for the mower's 1200W motor. Always use a residual current device (RCD) for added safety.

4. OPERATING INSTRUCTIONS

4.1 Adjusting Cutting Height

The Stihl RME 235 features a 5-level central cutting height adjustment, ranging from 25 mm to 65 mm. To adjust the cutting height:

1. Ensure the mower is switched off and disconnected from the power supply.
2. Locate the central cutting height adjustment lever on the side of the mower chassis.
3. Pull the lever outwards and move it to the desired height setting. Release the lever to lock it into position.
4. Always ensure all wheels are set to the same height.

4.2 Starting and Stopping the Mower

To start the mower, press and hold the safety button, then pull the switch lever towards the handle. To stop, release the switch lever.

4.3 Mowing Techniques

- Mow in overlapping strips to ensure an even cut.
- For best results, mow when the grass is dry.
- Do not overload the motor by attempting to cut excessively long or wet grass in one pass. Adjust cutting height or make multiple passes if necessary.
- Always walk behind the mower; do not run.



Figure 3: Operating the Stihl RME 235. This image shows a person using the electric lawn mower in a garden, demonstrating typical operation.

4.4 Emptying the Grass Collection Box

The 30-liter grass collection box includes a level indicator. When the indicator signals that the box is full, switch off the mower and disconnect it from the power supply. Carefully remove the grass box and empty its contents. Reattach the box securely before resuming operation.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your lawn mower.

5.1 Cleaning the Mower

- **Always disconnect the power supply before cleaning.**
- After each use, clean the underside of the mower deck and the grass collection box to prevent grass buildup. Use a brush or scraper; avoid using water jets directly on electrical components.
- Wipe down the exterior surfaces with a damp cloth.

5.2 Blade Care

A sharp blade is crucial for a clean cut and efficient operation. Inspect the blade regularly for wear, damage, or dullness. If the blade is damaged or excessively dull, it should be sharpened or replaced by a Stihl authorized

service center. **Never attempt to sharpen or replace the blade without disconnecting the power and wearing appropriate protective gloves.**



Figure 4: Underside of the mower. This image displays the cutting blade and deck, highlighting areas that require regular cleaning and inspection.

5.3 Storage

When not in use, store the mower in a dry, well-ventilated area. The handle can be folded for compact storage. Ensure the mower is clean and dry before storing for extended periods.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Stihl RME 235.

Problem	Possible Cause	Solution
Mower does not start	No power supply; safety switch not engaged; damaged cable.	Check power connection and RCD. Ensure safety button and switch lever are fully engaged. Inspect cable for damage.
Poor cutting performance	Dull or damaged blade; grass box full; cutting height too low for grass condition.	Have blade sharpened or replaced. Empty grass box. Increase cutting height.
Excessive vibration	Unbalanced or damaged blade; debris caught in blade area.	Disconnect power. Inspect blade for damage or debris. Have blade balanced or replaced by a service center.
Motor stops during operation	Overload protection activated; power interruption.	Reduce load (e.g., raise cutting height). Check power supply. Allow motor to cool if it overheated.

If you encounter problems not listed here or if solutions do not resolve the issue, please contact a Stihl authorized

service center.

7. SPECIFICATIONS

Key technical specifications for the Stihl RME 235 Electric Lawn Mower:

Feature	Detail
Model	RME 235
Power Source	Corded Electric
Rated Power	1200 W
Cutting Width	33 cm (13 inches)
Cutting Height Adjustment	5-level, 25 mm - 65 mm
Grass Collection Box Volume	30 Liters
Item Weight	13 kg (28.6 lbs)
Material	Alloy Steel (blade), Durable Polymer (chassis)
Sound Power Level	93 dB(A)
Vibration Level	1.40 m/s ²

STIHL RME 235 Electric Lawn Mower
Compact, Lightweight & Powerful

- 1200W Powerful Electric Motor
- 33 cm Cutting Width
- 5-Level Central Height Adjustment (25–60 mm)
- 30L Grass Collection Box with Fill-Level Indicator
- Lightweight Design – Only 13 kg
- Ideal for Lawns upto 300 m²
- Ideal for Lawns up to 300 m²
- Ideal for Lawns upto 300 m²
- Low Noise Operation – 80 dB(A)
- Durable Alloy Steel Construction

TECHNICAL SPECIFICATIONS

- Rated Power: 1200W
- Power Source: Corded Electric
- Max Lawn Area: 300 m²
- Cutting Height Range: 25–60 mm
- Grass Catcher volume: 30 Litres
- Front Wheels: 140 mm
- Rear Wheels: 170 mm
- Sound Power Level: 93 dB(A)
- Vibration Level: 1.40 m/s²

Figure 5: Technical specifications overview. This image provides a visual summary of the mower's key features and technical data, including power, cutting width, and grass collection capacity.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Your Stihl RME 235 Electric Lawn Mower is covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region. Please refer to the warranty card included with your product or visit the official Stihl website for detailed information. Keep your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, spare parts, or service, please contact your authorized Stihl dealer or visit the official Stihl website. When contacting support, please have your model number (RME 235) and serial number ready.

Official Stihl Website: www.stihl.com