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Model: GE-TM 102 B&S (3400620)

Brand: Einhell

INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your Einhell GE-TM 102 B&S ride-on lawnmower. Please read all instructions carefully before using the machine to ensure proper function and to prevent injury or damage.

The Einhell GE-TM 102 B&S is a self-propelled ride-on lawnmower equipped with a B&S Intek 4175 engine, offering a powerful 12.8 kW output and a wide cutting width of 102 cm. It features a 270-liter grass collection box, two blades, and a cutting height adjustable in 6 positions from 30-90 mm. The mower includes a pedal-operated continuous hydraulic drive, rear discharge, an anti-obstacle bar, and integrated lighting.

1. SETUP AND INITIAL PREPARATION

1.1 Unpacking and Assembly

Carefully remove all components from the packaging. Ensure all parts listed in the packing list are present. Assembly typically involves attaching the steering wheel, seat, and grass collection box. Refer to the detailed assembly diagrams in the separate assembly guide for specific steps.

1.2 Fuel and Oil

The B&S Intek 4175 engine requires unleaded gasoline. Fill the fuel tank according to the markings, avoiding overfilling. Check the engine oil level before first use and regularly thereafter. Use the recommended engine oil type as specified in the engine manual.

1.3 Battery Connection

Although batteries are not included, a 12V battery is required for starting the engine and powering the lights. Connect the battery terminals correctly, ensuring a secure fit. Refer to the battery manufacturer's instructions for initial charging and maintenance.

1.4 Seat and Steering Adjustment

Adjust the operator's seat to a comfortable position that allows full control of the pedals and steering wheel. Ensure the steering

wheel is securely fastened.



Image 1: Dashboard controls including ignition and light switch. This panel is crucial for starting the mower and operating its electrical functions.

2. OPERATING INSTRUCTIONS

2.1 Starting the Engine

1. Ensure the parking brake is engaged.
2. Place the gear selector in neutral.
3. Turn the ignition key to the 'START' position. Release the key once the engine starts.
4. Allow the engine to warm up for a few moments before engaging the blades or driving.



Image 2: Gear selector lever. This lever controls the forward and reverse speeds of the mower.

2.2 Driving and Mowing

- **Engaging Blades:** Once the engine is running, engage the blade lever carefully.
- **Driving:** Release the parking brake. Use the foot pedal for continuous hydraulic drive to control forward and reverse motion.
- **Cutting Height Adjustment:** The cutting height can be adjusted in 6 positions, from 30 mm to 90 mm, using the dedicated lever. Adjust according to grass length and desired finish.
- **Grass Collection:** The 270-liter grass collection box efficiently gathers clippings. Monitor the fill level and empty as needed.



Image 3: Grass collection box. This image shows the large 270-liter grass collection box, which can be easily lifted for emptying.

2.3 Safety Precautions During Operation

- Always wear appropriate safety gear, including eye protection and sturdy footwear.
- Keep children and pets away from the operating area.
- Never operate the mower on steep slopes or uneven terrain where stability is compromised.
- Turn off the engine and remove the key before leaving the operator's seat or performing any adjustments.
- Be aware of the anti-obstacle bar for safety when maneuvering.

3. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your lawnmower. Always turn off the engine, remove the ignition key, and disconnect the spark plug wire before performing any maintenance.

3.1 Cleaning

Clean the mower deck and chassis after each use to prevent grass clippings and debris from accumulating. Use a brush or compressed air. Avoid using high-pressure water directly on electrical components.

3.2 Blade Care

Inspect the cutting blades regularly for sharpness and damage. Dull or damaged blades should be sharpened or replaced by a qualified technician. Always ensure blades are balanced after sharpening.

3.3 Engine Maintenance

- **Oil Change:** Change the engine oil after the first 5 hours of operation, then every 25-50 hours or annually, whichever comes first.
- **Air Filter:** Clean or replace the air filter regularly, especially in dusty conditions, to ensure proper engine performance.
- **Spark Plug:** Inspect and clean the spark plug annually. Replace if worn or fouled.

3.4 Battery Maintenance

Check battery terminals for corrosion and clean as necessary. Ensure the battery is charged, especially during periods of non-use, to prolong its lifespan.

3.5 Storage

For long-term storage, clean the mower thoroughly, drain the fuel tank or add a fuel stabilizer, and disconnect the battery. Store in a dry, protected area.

4. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here or if solutions do not resolve the issue, contact qualified service personnel.

Problem	Possible Cause	Solution
Engine does not start	No fuel; dead battery; spark plug issue; safety switch engaged.	Check fuel level; charge/replace battery; inspect/replace spark plug; ensure parking brake is on and gear is neutral.
Poor cutting performance	Dull blades; incorrect cutting height; engine speed too low.	Sharpen/replace blades; adjust cutting height; ensure engine is running at full throttle.
Excessive vibration	Unbalanced or damaged blades; loose components.	Inspect blades for damage and balance; check all fasteners for tightness.

5. TECHNICAL SPECIFICATIONS

Specification	Value
Manufacturer	Einhell
Part Number	GE-TM 102 B&S
Package Dimensions	113.5 x 106 x 19.8 cm
Item Model Number	3400620
Color	Red
Material	Plastic
Power Source	Battery powered (for starting/accessories)
Voltage	12 Volt
Number of Items in Package	1
Included Components	1 x GE-TM 102 B&S self-propelled lawnmower
Batteries Included?	No
Batteries Required?	Yes (12V for starting)
Item Weight	250 Kilograms
Engine	B&S Intek 4175, 12.8 kW
Cutting Width	102 cm
Grass Collector Volume	270 Liters
Cutting Height Adjustment	6 positions (30-90 mm)
Drive System	Pedal, continuous hydraulic

6. WARRANTY INFORMATION

Your Einhell GE-TM 102 B&S ride-on lawnmower is covered by a manufacturer's warranty. The specific terms and duration of the warranty may vary by region and purchase date. Please refer to the warranty card included with your product or visit the official Einhell website for detailed information regarding warranty coverage, conditions, and claims procedures.

Keep your proof of purchase (receipt or invoice) as it will be required for any warranty claims.

7. CUSTOMER SUPPORT

For technical assistance, spare parts, or service inquiries regarding your Einhell GE-TM 102 B&S lawnmower, please contact Einhell customer support. Contact details can typically be found on the Einhell website or in the documentation supplied with your product.

When contacting support, please have your model number (GE-TM 102 B&S or 3400620) and serial number readily available to expedite assistance.