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RYOBI RY18LT18HTA-120

RYOBI ONE+ RY18LT18HTA-120 Cordless Brushcutter and Hedge Trimmer User Manual

Model: RY18LT18HTA-120
Brand: RYOBI

1. Product Overview

The RY18LT18HTA-120 cordless brushcutter and cordless hedge trimmer combo kit is a versatile solution for various gardening tasks. This practical combo kit provides two powerful tools in one package, designed to help maintain your garden effectively. Both tools are powered by the RYOBI 18V ONE+ battery, which is compatible with over 200 power tools and garden tools, offering extensive application possibilities.
The brushcutter features an adjustable cutting width from 25 to 30 cm, providing flexibility for trimming grass and weeds. Its EasyEdge™ function allows for quick transitions between trimming and edging modes, enhancing efficiency. The hedge trimmer is equipped with a 55 cm long blade and a 24 mm cutting thickness, making it suitable for larger jobs. The Linea handle design ensures advanced ergonomics, combining comfort, a compact design, and ease of use in a well-balanced unit. The kit includes a 2.0 Ah battery and a charger, enabling immediate use without additional purchases.

2. Safety Instructions

Always prioritize safety when operating power tools. Read and understand all instructions before use. Keep this manual for future reference.

General Safety Warnings:

- **Wear Eye Protection:** Always wear appropriate eye protection (safety glasses or goggles) to protect against flying debris.
- **Wear Hearing Protection:** Use ear defenders or earplugs to prevent hearing damage during extended operation.
- **Wear Protective Gloves:** Protect your hands from cuts and abrasions.
- **Secure Clothing:** Do not wear loose clothing or jewelry that could get caught in moving parts. Tie back long hair.
- **Maintain Firm Grip:** Always hold the tool firmly with both hands during operation.

- **Clear Work Area:** Ensure the work area is free of obstacles, children, and pets.
- **Inspect Tool Before Use:** Check for any damaged parts, loose fasteners, or worn blades/lines. Do not use if damaged.
- **Battery Safety:** Use only the specified battery and charger. Do not expose batteries to extreme temperatures or water.
- **Unplug When Not in Use:** Disconnect the battery pack when not in use, before cleaning, or when changing accessories.

3. Components

The RY18LT18HTA-120 combo kit includes the following main components:

- Cordless Brushcutter
- Cordless Hedge Trimmer
- 1 x 2.0 Ah Lithium-ion Battery
- 1 x 1.7 A Charger
- Hedgesweep Debris Collector
- Protective Sheath for Hedge Trimmer Blade



Figure 3.1: Complete RYOBI ONE+ RY18LT18HTA-120 Combo Kit, showing the brushcutter, hedge trimmer, battery, and charger.



Figure 3.2: Front view of the RYOBI ONE+ Hedge Trimmer, highlighting the blade and handle.



Figure 3.3: Side view of the RYOBI ONE+ Brushcutter, showing the motor head and shaft.



Figure 3.4: The RYOBI ONE+ 2.0 Ah battery and its compatible charger.

4. Setup

4.1 Battery Charging

1. Connect the charger to a suitable power outlet.
2. Slide the 2.0 Ah Lithium-ion battery onto the charger until it clicks into place.
3. Observe the charger's indicator lights. A full charge is indicated when the light turns green (refer to charger manual for specific light patterns).
4. Once fully charged, remove the battery from the charger.

4.2 Tool Assembly (if required)

The brushcutter and hedge trimmer may require minor assembly. Refer to the specific diagrams in the included quick-start guide for detailed steps. Ensure all connections are secure before use.

- **Brushcutter:** Attach the guard and auxiliary handle as per instructions. Ensure the cutting line is properly installed.
- **Hedge Trimmer:** Ensure the blade is clean and the protective sheath is removed before operation. Attach the Hedgesweep debris collector if desired.

5. Operating Instructions

5.1 Inserting the Battery

Align the battery with the battery port on the tool (either brushcutter or hedge trimmer) and slide it in until it clicks securely into place.

5.2 Operating the Brushcutter

1. **Starting:** Press the safety lock-off button and then squeeze the trigger to start the motor.
2. **Cutting Technique:** Hold the brushcutter firmly with both hands. Use a sweeping motion to cut grass and weeds. Avoid hitting hard objects.
3. **Adjustable Cutting Width:** The cutting width can be adjusted between 25 cm and 30 cm. Refer to the tool's markings for adjustment points.
4. **EasyEdge™ Function:** To switch from trimming to edging mode, rotate the head of the brushcutter. This allows for precise edging along pathways and flowerbeds.



Figure 5.1: User demonstrating the brushcutter's use for trimming grass in a garden setting.



Figure 5.2: User utilizing the brushcutter for precise lawn edging along a paved path.



Figure 5.3: Close-up view of the EasyEdge™ mechanism on the brushcutter, showing the adjustment lever.



Figure 5.4: User's hand demonstrating the adjustment of the brushcutter head for the EasyEdge™ function.

5.3 Operating the Hedge Trimmer

1. **Starting:** Ensure the protective sheath is removed. Press the safety switch and squeeze the trigger to activate the blades.
2. **Trimming Technique:** Hold the hedge trimmer with both hands using the Linea handle for optimal balance and control. Use a smooth, sweeping motion to cut branches.
3. **Blade Capacity:** The 55 cm blade can cut branches up to 24 mm in thickness. Do not force the blade through thicker branches.
4. **Hedgesweep Debris Collector:** Attach the Hedgesweep to help clear cuttings from the top of the hedge as

you trim.



Figure 5.5: User holding the RYOBI ONE+ Hedge Trimmer, demonstrating the comfortable grip of the Linea handle.



Figure 5.6: User actively trimming a hedge with the RYOBI ONE+ Hedge Trimmer, showcasing its use in a garden.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your tools.

6.1 Cleaning

- Always remove the battery before cleaning.
- Use a dry cloth to wipe down the tool's exterior.
- For the brushcutter, remove any grass or debris from the guard and cutting head.
- For the hedge trimmer, carefully clean the blades after each use to remove sap and debris. Use a stiff brush if necessary.

6.2 Blade Care (Hedge Trimmer)

- Periodically apply a light machine oil or blade lubricant to the hedge trimmer blades to prevent rust and ensure smooth operation.
- Inspect blades for damage or dullness. Sharpen or replace blades as needed by a qualified service center.
- Always store the hedge trimmer with the protective sheath on the blade.

6.3 Battery Storage

- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, ensure the battery is partially charged (around 50%) to maintain its health.

7. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start	Battery not inserted correctly; Battery discharged; Safety switch not engaged.	Ensure battery is fully seated; Charge battery; Fully engage safety switch before pressing trigger.
Brushcutter line not feeding	Line tangled or too short; Spool empty.	Clear tangles and manually feed line; Replace spool.
Hedge trimmer blades jam	Cutting branches too thick; Debris caught in blades.	Do not cut branches exceeding 24mm; Remove battery, then carefully clear debris.
Reduced battery life	Battery not fully charged; Old battery; Extreme operating temperatures.	Ensure full charge; Consider battery replacement; Operate within recommended temperature range.

8. Specifications

Feature	Detail
Manufacturer	Ryobi
Product Dimensions (L x W x H)	106 x 28 x 12.7 cm
Item Weight	6 Kilograms
Battery(ies)	1 Lithium-ion - included
Item Model Number	5133005619
Power Source	Battery Powered
Voltage	18 Volts
Brushcutter Cutting Width	25 - 30 Centimeters (adjustable)
Brushcutter Speed	7500 rpm
Hedge Trimmer Blade Length	55 Centimeters
Hedge Trimmer Cutting Thickness	24 mm
Included Components	1 x 2.0 Ah Lithium-ion battery, 1 x 1.7 A charger, 1 x Hedgesweep debris collector, 1 x protective sheath
Material	Plastic and Metal
Country of Origin	China
Spare Parts Availability (EU)	5 Years

9. Warranty and Support

RYOBI products are designed for durability and performance. For warranty information, please refer to the warranty card included with your product or visit the official RYOBI website. In case of technical issues or questions, please contact RYOBI customer support through their official channels. Keep your proof of purchase for warranty claims.

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