RYOBI RHT25X55R

Ryobi RHT25X55R 25.4 CC Petrol Hedge Trimmer User Manual

1. Product Overview

The Ryobi RHT25X55R is a 25.4 CC petrol hedge trimmer designed for efficient and precise hedge maintenance. It features a Power XT engine with a crankshaft for enhanced durability and performance, alongside eco-friendly engine technology. The ONE+ EasyStart system facilitates effortless starting, eliminating the need for repeated pull-starts. Its 55 cm double-edged diamond ground blade is engineered to maintain sharpness longer, ensuring clean and accurate cuts. With a 28 mm cutting capacity, this tool is capable of effectively trimming tougher branches.

Key Features:

- Power XT engine with crankshaft for durability.
- Eco-friendly engine technology.
- ONE+ EasyStart for simplified starting.
- 55 cm double-edged diamond ground blade.
- 28 mm cutting capacity.
- HedgeSweep attachment for debris removal.
- 5-position rotating rear handle for optimal flexibility.



Figure 1: Ryobi RHT25X55R Petrol Hedge Trimmer, showing the engine unit and the long cutting blade.

2. Safety Information

Always prioritize safety when operating power tools. Read and understand all safety warnings and instructions before use. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, sturdy gloves, and appropriate footwear.
- **Work Area:** Keep the work area clean and well-lit. Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Bystanders:** Keep children and bystanders away while operating the hedge trimmer.
- **Fuel Handling:** Handle fuel in a well-ventilated area, away from sparks or open flames. Store fuel in approved containers.
- **Blade Safety:** Never touch the blades while the engine is running. Ensure the engine is off and the blades have stopped before performing any adjustments or maintenance.
- **Secure Grip:** Always hold the hedge trimmer firmly with both hands.
- **Inspection:** Before each use, inspect the hedge trimmer for any damaged parts, loose fasteners, or fuel leaks. Do not use if damaged.

3. Setup

Before operating your Ryobi RHT25X55R hedge trimmer, ensure it is properly assembled and fueled.

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all listed items, including the 2-stroke oil, wrench, and HedgeSweep attachment, are present.
2. **Fuel Mixing:** This is a 2-stroke engine. Mix unleaded petrol with the provided 2-stroke oil at the ratio specified in the engine manual (typically 50:1 or 25:1, refer to the engine manual for exact specifications). Use a clean, approved fuel container for mixing.
3. **Fueling:** With the engine off and cool, carefully pour the mixed fuel into the fuel tank. Do not overfill. Securely replace the fuel cap.
4. **HedgeSweep Attachment:** If desired, attach the HedgeSweep accessory to the blade guard as per the instructions provided with the attachment. This helps clear cuttings during operation.

4. Operating Instructions

Follow these steps for safe and effective operation of your hedge trimmer.

1. **Starting the Engine (ONE+ EasyStart):**
    - Place the hedge trimmer on a flat, stable surface.
    - Ensure the blade is clear of any obstructions.
    - Prime the engine if necessary (refer to engine manual for priming button location and number of presses).
    - Set the choke to the 'START' or 'COLD START' position.
    - Engage the ONE+ EasyStart system (specific method may vary, typically involves pressing a button or engaging a lever).
    - Once the engine fires, move the choke to the 'RUN' or 'HALF CHOKE' position.
    - Allow the engine to warm up for a few moments before full operation.
2. **Holding the Trimmer:** Grip the front handle and the 5-position rotating rear handle firmly with both hands. Maintain a balanced stance.

3. **Trimming Technique:**
    - Start trimming from the bottom of the hedge and work upwards for vertical cuts.
    - For horizontal cuts, sweep the trimmer in an arc, keeping the blade parallel to the desired cutting line.
    - Avoid cutting branches thicker than the specified 28 mm capacity.
    - Use the HedgeSweep attachment to clear debris as you cut.
4. **Stopping the Engine:** Release the throttle trigger and engage the engine stop switch. Ensure the blades come to a complete stop before setting the tool down.



Figure 2: A user demonstrating proper technique for trimming a hedge with the Ryobi RHT25X55R.



Figure 3: A user maintaining a tall hedge, showcasing the reach and maneuverability of the Ryobi RHT25X55R.

5. Maintenance

Regular maintenance ensures optimal performance and extends the life of your hedge trimmer.

- **Blade Cleaning and Lubrication:** After each use, clean the blades of sap and debris. Apply a light coat of blade lubricant or machine oil to prevent rust and ensure smooth operation.
- **Air Filter:** Periodically inspect and clean the air filter. A clogged air filter can reduce engine performance. Replace if damaged.
- **Spark Plug:** Check the spark plug for wear and proper gap. Replace if necessary.
- **Fuel Filter:** Inspect the fuel filter for blockages. Replace if dirty.
- **General Inspection:** Regularly check all nuts, bolts, and screws for tightness. Inspect fuel lines for cracks or leaks.
- **Storage:** When storing for extended periods, drain the fuel tank or use a fuel stabilizer. Clean the unit thoroughly and store in a dry, secure location out of reach of children.

6. Troubleshooting

This section addresses common issues you might encounter with your hedge trimmer.

- **Engine Fails to Start:**
  - Check fuel level and ensure correct fuel mixture.
  - Verify spark plug is clean and properly gapped.
  - Ensure choke is set correctly for starting.
  - Check for a clogged fuel filter or air filter.
- **Loss of Power During Operation:**
  - Clean or replace the air filter.
  - Check for a dirty spark plug.
  - Ensure blades are clean and lubricated; excessive friction can strain the engine.
  - Avoid cutting material thicker than the recommended capacity.
- **Excessive Vibration:**
  - Inspect blades for damage or bending.
  - Check for loose components or fasteners.
- **Blades Not Cutting Effectively:**
  - Blades may be dull and require sharpening or replacement.
  - Ensure blades are clean and free of sap or debris.

If issues persist after troubleshooting, consult a qualified service technician.

7. Specifications

Feature	Specification
Model Number	RHT25X55R (5133003670)

Engine Displacement	25.4 CC
Power Type	Gas-powered
Blade Length	55 cm
Cutting Capacity	28 mm
Dimensions (L x W x H)	111 x 29 x 20.5 cm
Weight	4.8 kg
Material	Plastic

8. Warranty and Support

For detailed warranty information, service, or to purchase replacement parts, please refer to the warranty card included with your product or visit the official Ryobi website. Keep your proof of purchase for warranty claims.

Contact Ryobi customer support for any further assistance or technical inquiries.

Ask a question about this manual

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