Kingsman 52 CC Gasoline Brush Cutter

Kingsman 52 CC Gasoline Brush Cutter User Manual

Model: 52 CC

1. Important Safety Information

This section outlines critical safety precautions to ensure safe operation and prevent injury or damage.

Safety Warning: This product is a gasoline brush cutter that can generate heat and pose a fire risk. Handle with care and ensure the fuel tank is empty before storage. Use the safety trigger to prevent accidental activation. The debris guard helps deflect debris, but personal protective equipment, such as goggles and gloves, is recommended during use. Refer to the user manual for safe operation and maintenance instructions.

2. Product Overview

The Kingsman 52 CC Gasoline Brush Cutter is a versatile tool designed for various landscaping tasks. It features a powerful 2-stroke engine and an ergonomic design for comfortable use.

Figure 2.1: Complete Kingsman 52 CC Gasoline Brush Cutter with included accessories. This image shows the main unit, fuel mixing bottle, nylon line head, and shoulder harness.

Figure 2.2: Detailed view of included accessories: nylon line head for grass and weeds, three-point blade for small shrubs, shoulder harness, mounting kit, and fuel mixing container.

3. Setup and Assembly

Follow these steps to properly assemble your Kingsman brush cutter before first use.

1. **Assemble Handlebar and Cutting Shaft:** Securely attach the bicycle-style handlebar to the main cutting shaft. Ensure all fasteners are tightened.
2. **Install Cutting Head:** Choose between the nylon line head or the three-point blade. Attach the selected cutting head to the shaft, ensuring it is firmly secured.
3. **Check Spark Plug and Fuel Tank:** Verify the spark plug is correctly seated. Prepare the fuel mixture as described in the Operating section and fill the fuel tank.
4. **Adjust Choke:** Locate the choke lever and set it to the appropriate position for starting (usually 'closed' or 'start' when cold).
5. **Power Button:** Ensure the power button is in the 'ON' position.
6. **Pull Starter Cord:** Firmly pull the starter cord to ignite the engine.

Figure 3.1: Visual guide for assembly and quick start steps, including fuel mixture ratios.

4. Operating Instructions

Proper operation ensures efficiency and extends the life of your brush cutter.

4.1 Fuel Mixture

The Kingsman brush cutter uses a 2-stroke gasoline engine. It requires a specific fuel-to-oil mixture to operate correctly and prevent damage.

- **Mixture Ratio:** Gasoline 25:1 (25 parts gasoline to 1 part 2-stroke oil).
- Always use fresh, high-quality unleaded gasoline and a reputable 2-stroke engine oil.
- Mix the fuel in the provided container or a separate, approved fuel can before pouring into the brush cutter's tank.

Fuel Mixing Ratios

Mixture (L)	Gasoline (ml)	Oil (ml)
1 L	1000 ml	40 ml
500 ml	500 ml	20 ml
200 ml	200 ml	8 ml

4.2 Starting the Engine

Refer to the quick start guide in Section 3 for the sequence of operations.

4.3 Usage

The Kingsman brush cutter is ideal for cutting grass, weeds, and small shrubs. Its bicycle-style handle provides enhanced comfort and control, especially when working in difficult-to-reach areas or for extended periods.

Figure 4.1: Close-up of the ergonomic bicycle handle and the integrated safety trigger, designed to prevent accidental activation.

Figure 4.2: The brush cutter in operation, demonstrating its use for clearing overgrown areas. Note the user wearing protective gear.

5. Maintenance

Regular maintenance is crucial for the longevity and optimal performance of your brush cutter.

- **Cleaning:** After each use, clean the cutting head, debris guard, and engine housing to remove grass, dirt, and debris.
- **Fuel Storage:** Always empty the fuel tank before storing the brush cutter for extended periods to prevent fuel degradation and carburetor issues.
- **Spark Plug:** Periodically inspect and clean the spark plug. Replace if worn or fouled.

- **Air Filter:** Check and clean the air filter regularly to ensure proper engine breathing and prevent overheating.
- **Work Cycle:** Adhere to the recommended work cycle of 20 minutes of operation followed by 20 minutes of rest to prevent engine overheating and wear.

6. Troubleshooting

This section provides solutions for common issues you might encounter.

Problem	Possible Cause	Solution
Engine does not start	No fuel or incorrect fuel mixture	Check fuel level and ensure correct 25:1 gasoline/oil mixture.
Engine does not start	Spark plug fouled or loose	Clean or replace spark plug; ensure it is tightened.
Engine does not start	Choke setting incorrect	Adjust choke to the correct starting position.
Loss of power during operation	Clogged air filter	Clean or replace the air filter.
Loss of power during operation	Overheating	Allow the engine to cool down. Adhere to the 20 min work / 20 min rest cycle.

7. Specifications

Detailed technical specifications for the Kingsman 52 CC Gasoline Brush Cutter.

Feature	Specification
Engine Type	2-Stroke Gasoline Engine
Displacement	52 CC
Power Output	2.5 HP
Fuel Tank Capacity	1.2 Liters
Fuel Mixture	Gasoline 25:1 (2-stroke oil)
Net Weight	7.8 kg
Dimensions (LxWxH)	189 x 28 x 28 cm
Work Cycle	20 minutes work / 20 minutes rest

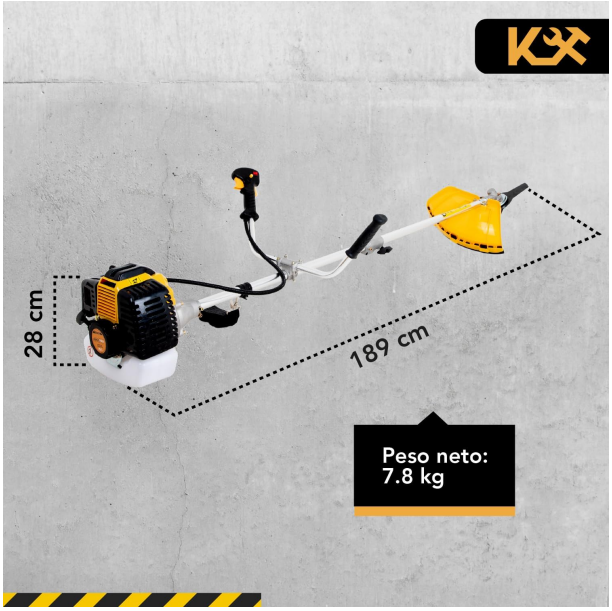

Figure 7.1: Illustration of the brush cutter's dimensions (189 cm length, 28 cm height) and net weight (7.8 kg).

Figure 7.2: Comprehensive technical data table, summarizing key specifications.

8. Warranty and Support

Information regarding product warranty and how to obtain support.

8.1 Warranty Information

Kingsman offers a **3-month warranty** for factory defects, effective from the date of product delivery. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact the seller or refer to the Kingsman official website for support channels.

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