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Stihl FS 3001

STIHL FS 3001 Petrol Brushcutter User Manual

Model: FS 3001

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and care of your STIHL FS 3001 Petrol Brushcutter. Please read this manual thoroughly before first use and keep it for future reference. Proper use and maintenance will ensure optimal performance and extend the life of your brushcutter.

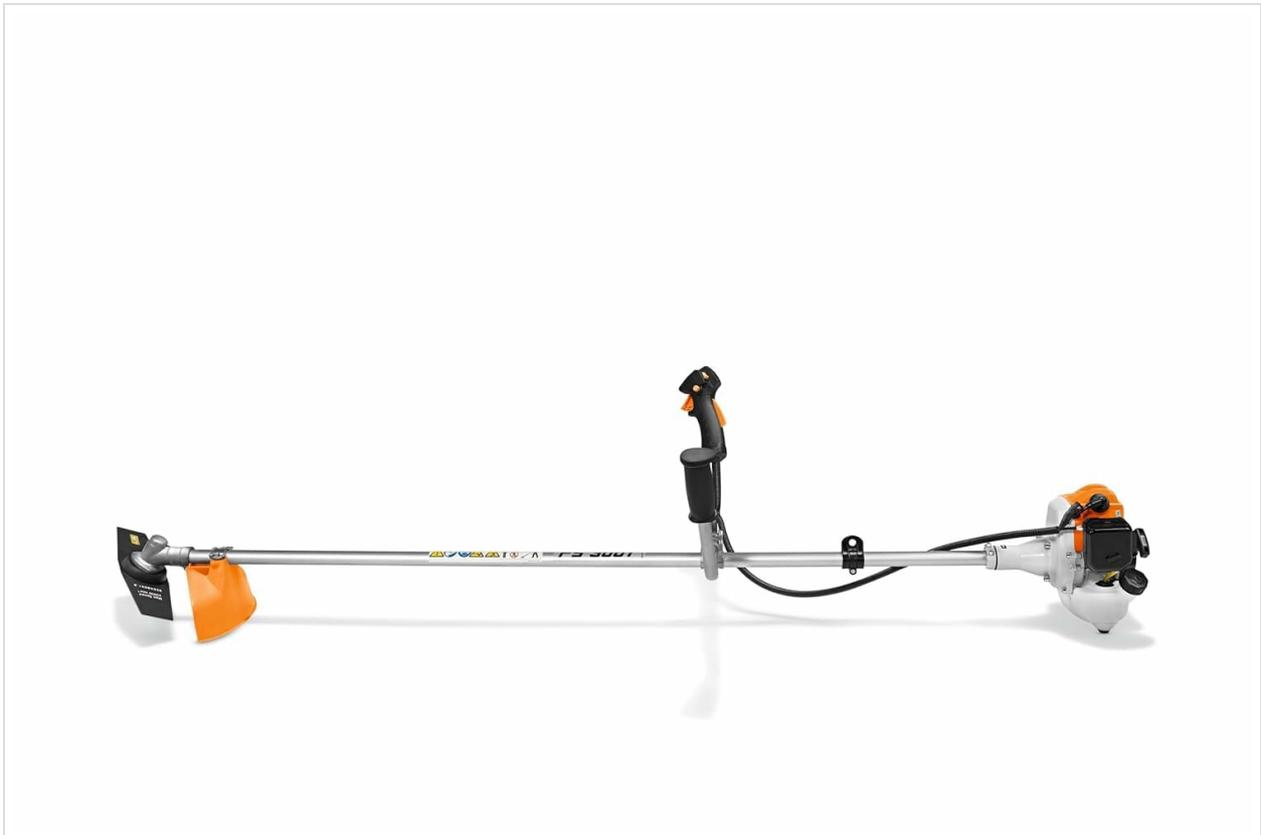


Figure 1: STIHL FS 3001 Petrol Brushcutter. This image shows the complete brushcutter unit, including the engine, shaft, handle, and cutting head with a protective guard.

2. SAFETY INFORMATION

Always prioritize safety when operating power tools. Failure to follow safety instructions can result in serious injury or death.

2.1 Personal Protective Equipment (PPE)

- **Head Protection:** Wear a safety helmet with a face shield or safety glasses to protect against flying debris.
- **Ear Protection:** Use ear defenders or earplugs to prevent hearing damage from engine noise.
- **Hand Protection:** Wear sturdy work gloves for grip and protection.
- **Leg Protection:** Wear long, heavy-duty trousers or chaps.
- **Foot Protection:** Wear non-slip safety boots with steel toes.

2.2 General Safety Guidelines

- **Read the Manual:** Understand all controls and safety features before operation.
- **Work Area:** Ensure the work area is clear of bystanders, children, and pets. Maintain a safe distance from others.
- **Fuel Handling:** Handle fuel in a well-ventilated area, away from ignition sources. Do not smoke while refueling.
- **Inspection:** Before each use, inspect the brushcutter for loose parts, damaged components, or fuel leaks.
- **Stable Footing:** Always maintain firm footing and balance during operation.
- **Avoid Fatigue:** Do not operate the brushcutter when tired or under the influence of alcohol or medication.



Figure 2: An operator wearing appropriate safety gear, including a helmet with face shield, ear protection, and gloves, while using the STIHL FS 3001 brushcutter in a field. This highlights the importance of safety precautions.

3. PRODUCT OVERVIEW

The STIHL FS 3001 is a powerful petrol brushcutter designed for efficient mowing of larger green areas. It

combines a robust engine with user-friendly features for effective vegetation management.

3.1 Key Features

- **Engine:** STIHL 2-STROKE engine with 25.5 cm³ displacement.
- **Power Output:** 0.75 kW/hp for effective cutting.
- **Lightweight Design:** Weighs 5.5 kg for comfortable handling.
- **One-Hand Control Module:** Easy-to-use control with multifunction switch.
- **Interchangeable Cutting Attachments:** Compatible with metal 2-fly cutting blade and nylon trimmer plate.
- **Deflector:** Protects operators from flying debris.
- **Solid Straight Shaft:** Designed for durability and tackling tough grass.





Figure 3: The STIHL FS 3001 brushcutter, showcasing its ergonomic design and overall structure. This image provides a clear view of the engine, shaft, and handle configuration.

4. SETUP

Before operating your brushcutter, ensure it is properly assembled and prepared for use.

4.1 Assembly

The STIHL FS 3001 is designed for minimal assembly. Ensure all components, such as the cutting head, deflector, and handle, are securely attached according to the detailed instructions provided in the separate assembly guide or quick start manual. Verify all bolts and fasteners are tightened.

4.2 Fueling

1. Ensure the engine is off and cool before refueling.
2. Mix fresh, high-quality petrol with STIHL 2-stroke engine oil at the recommended ratio (typically 50:1, but refer to the engine oil packaging for exact specifications).
3. Carefully pour the fuel mixture into the fuel tank (capacity: 0.75 L), avoiding spills.
4. Securely close the fuel cap.

- Ergonomic Design.
- Saving Time & Effort.
- Easy-to-use Auto Cut Function.
- Compact & Robust Brush Cutter for Multifunctional Use in Agriculture.



Figure 4: A close-up view of the STIHL FS 3001 engine and fuel tank, indicating the fuel tank capacity of 0.75 liters. This image helps in identifying the fuel tank for refueling.

4.3 Adjustments

- **Handle Position:** Adjust the handle to a comfortable working position that allows for good balance and control.
- **Harness:** Fit the shoulder harness to distribute the weight of the brushcutter evenly across your body, reducing fatigue.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your STIHL FS 3001 brushcutter.

5.1 Starting the Engine

1. Place the brushcutter on a firm, level surface.
2. Engage the choke (if applicable) and set the throttle to the starting position.
3. Press the primer bulb several times until fuel is visible.
4. Pull the starter cord firmly until the engine fires.

5. Once the engine starts, disengage the choke and allow it to warm up for a few moments.

5.2 Operating Techniques

- Hold the brushcutter firmly with both hands, maintaining control.
- Swing the cutting head in a smooth, sweeping motion, cutting from right to left for optimal efficiency.
- Avoid hitting hard objects like rocks, fences, or trees, as this can damage the blade and cause kickback.
- For dense vegetation, take smaller passes.

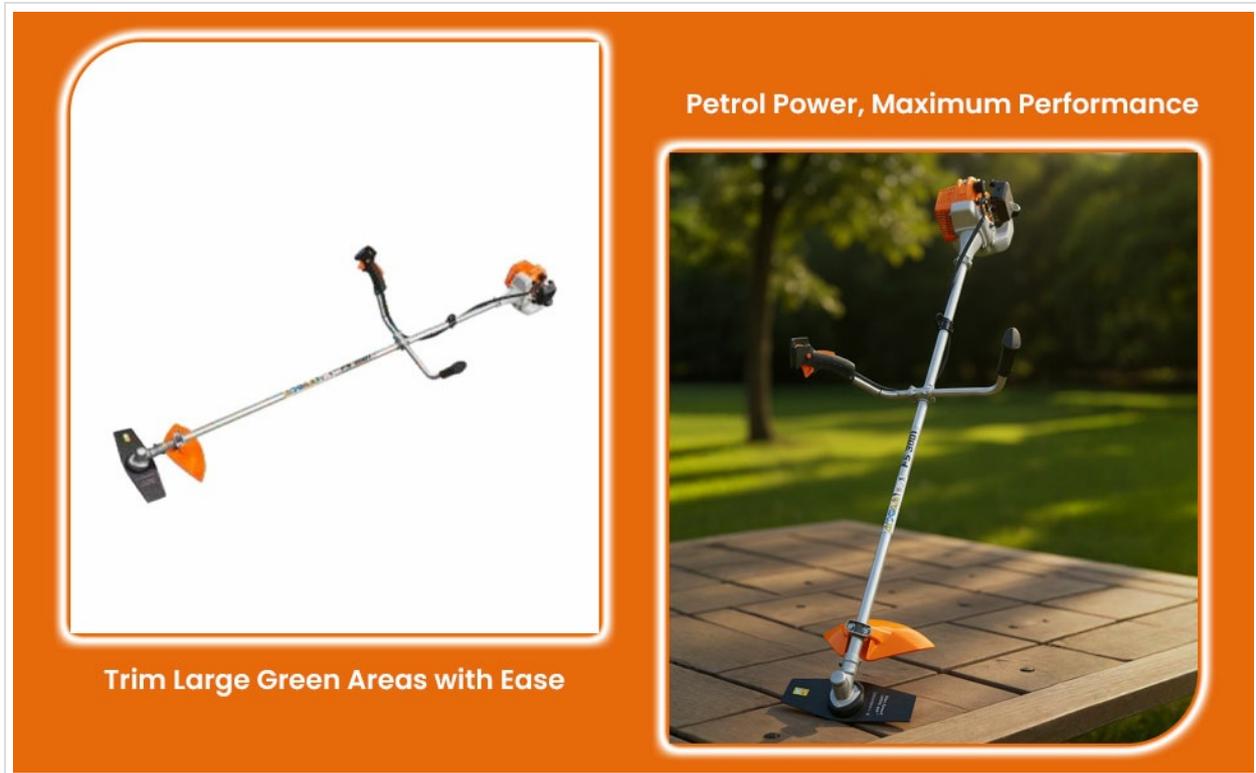


Figure 5: An individual operating the STIHL FS 3001 brushcutter to clear tall grass in a large green area. This demonstrates the brushcutter's use in practical applications.

5.3 Stopping the Engine

To stop the engine, release the throttle and press the stop switch. Ensure the cutting attachment has come to a complete stop before setting the machine down.

5.4 Official Product Video

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Video 1: This video provides a visual guide to the STIHL FS 3001 brushcutter, demonstrating its compact engine, safety features like the deflector, one-hand control module, and lightweight design. It also shows the brushcutter in operation, highlighting its efficiency in cutting grass.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your brushcutter.

6.1 Cleaning

- After each use, clean the cutting head, deflector, and engine cooling fins to remove grass, dirt, and debris.

- Ensure the air intake is clear.

6.2 Cutting Attachment

- Inspect the cutting blade or trimmer line for wear or damage. Replace as needed.
- Sharpen metal blades regularly to maintain cutting efficiency.

6.3 Air Filter

Check and clean the air filter regularly. A clogged air filter can reduce engine performance and increase fuel consumption. Replace if damaged.

6.4 Spark Plug

Inspect the spark plug for wear and proper gap. Replace if necessary, typically annually or as recommended by the manufacturer.

6.5 Storage

When storing the brushcutter for extended periods, drain the fuel tank or use a fuel stabilizer. Clean the machine thoroughly and store it in a dry, secure location away from children.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your STIHL FS 3001 brushcutter.

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect choke setting, fouled spark plug, clogged fuel filter	Check fuel level, adjust choke, clean/replace spark plug, clean/replace fuel filter
Loss of power during operation	Clogged air filter, incorrect fuel mixture, dull cutting attachment	Clean/replace air filter, use correct fuel mixture, sharpen/replace cutting attachment
Excessive vibration	Damaged or unbalanced cutting attachment, loose components	Inspect and replace cutting attachment, tighten all fasteners

8. SPECIFICATIONS

Detailed technical specifications for the STIHL FS 3001 Petrol Brushcutter.



Figure 6: An infographic detailing key product specifications for the STIHL FS 3001, including engine displacement, power, fuel tank capacity, fuel type, number of strokes, and weight.

Specification	Value
Brand	Stihl
Model Number	FS 3001
Engine	STIHL 2-STROKE
Displacement	25.5 cm ³
Power Output	0.75 kW/hp
Maximum RPM (with Blade)	11,000 Nm
Fuel Tank Capacity	0.75 L
Power-to-Weight Ratio	7.3 kg/kW
Weight	5.5 kg
Power Source	Gas Powered
Product Dimensions	100L x 20W Centimeters
Country of Origin	Germany
UPC	886661976379

9. WARRANTY AND SUPPORT

The STIHL FS 3001 Petrol Brushcutter typically comes with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact STIHL

customer service directly. An optional 1-year extended warranty may be available from third-party providers like Onsitego.

For technical support, spare parts, or service, please contact your authorized STIHL dealer or the manufacturer's customer support line. Always use genuine STIHL spare parts to ensure compatibility and maintain product integrity.