

[Manuals.plus](#) /

› [Fuxtec](#) /

› FUXTEC FX-AF152 Thermal Tiller User Manual

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FUXTEC FX-AF152 Thermal Tiller User Manual

Model: FX-AF152

1. SAFETY INFORMATION

Read all safety warnings and instructions carefully before operating the FUXTEC FX-AF152 thermal tiller. Failure to follow these instructions may result in serious injury.

- Always wear appropriate personal protective equipment, including gloves and safety glasses, when operating the tiller.
- Keep children and pets away from the operating area while the machine is running.
- Refuel the tank only when the engine is off and cool. Use fresh gasoline and oil mixture as specified for 2-stroke engines.
- Never leave the machine running unattended.
- Operate the tiller only outdoors in well-ventilated areas.
- Ensure all guards and safety devices are in place and functioning correctly before use.

2. PRODUCT OVERVIEW

The FUXTEC FX-AF152 thermal tiller is a compact and powerful tool designed for domestic gardening tasks, particularly for loosening compact soils and working in narrow areas.



Figure 1: FUXTEC FX-AF152 Thermal Tiller

Key Features:

- Powerful 2-stroke engine (51.6 cm³) for effective soil cultivation.

- Working depth of 70 mm and width of 23 cm, ideal for precise work in flowerbeds and pathways.
- Star-shaped tines ensure consistent soil penetration.
- Ergonomic and non-slip handle for safe and comfortable operation.
- Lightweight design (approx. 14 kg) for easy maneuverability.
- Quick access to maintenance components (air filter, fuel tank, spark plug).



Figure 2: Key components of the FUXTEC FX-AF152, including the start/stop switch, throttle lever, 2-stroke 51.6 cm³ engine, 0.9 L fuel tank, and 70mm working depth.

3. SETUP AND ASSEMBLY

The FUXTEC FX-AF152 tiller requires some assembly before its first use. Follow these steps carefully.

3.1. Handle Assembly

1. Attach the lower handle bar to the main unit using the provided bolts and knobs. Ensure they are securely tightened.

2. Connect the upper handle bar to the lower handle bar, aligning the holes and securing with the remaining bolts and knobs.
3. Route the control cables along the handle and secure them with cable ties to prevent snagging.

3.2. Wheel Assembly

1. Attach the transport wheels to the designated mounting points at the rear of the tiller.
2. Secure the wheels with the provided pins or fasteners, ensuring they are firmly in place for stability during transport.

3.3. Fueling Instructions

The FX-AF152 uses a 2-stroke engine. It requires a specific mixture of gasoline and 2-stroke engine oil.

- **Fuel Mixture:** Use unleaded gasoline (93# or higher) mixed with 2-stroke engine oil at a ratio of 25:1 (25 parts gasoline to 1 part oil).
- Always mix the fuel in a separate, approved fuel container before pouring it into the tiller's fuel tank. Shake the mixture well.
- Ensure the engine is off and cool before refueling. Avoid spilling fuel.

Video 1: General assembly and fueling guide for a compact 52cc thermal tiller. Note: Specific steps may vary slightly for the FUXTEC FX-AF152.

4. OPERATING INSTRUCTIONS

Follow these steps to safely operate your FUXTEC FX-AF152 thermal tiller.

4.1. Starting the Engine

1. Ensure the fuel tank is filled with the correct gasoline/oil mixture.
2. Press the carburetor primer bulb 5-6 times until fuel is visible in both tubes.
3. Close the choke lever (damper) for cold starts. For warm starts, the choke may not be necessary.
4. Turn the flame failure switch (ON/OFF switch) to the 'ON' position.
5. Pull the rope starter smoothly and firmly until the engine starts. If the engine does not start after 5 pulls, remove the spark plug, pull the rope starter 3-4 times, then reinsert the spark plug and try again.
6. Once the engine starts, gradually open the choke lever (damper) as the engine warms up.

4.2. Tilling Techniques

The FX-AF152 is designed for precise soil cultivation.

- **Shallow Tilling (Mode A):** For light weeding or surface soil preparation, allow the tiller to move forward with minimal downward pressure. This mode is effective for removing withered weeds and preparing the topsoil.
- **Deep Tilling (Mode B):** For deeper soil penetration, apply gentle downward pressure on the handles. The tines will dig deeper into the soil, ideal for preparing seedbeds or breaking up compacted earth. Remove any large stones from the soil beforehand to prevent violent rebounds.
- Work in overlapping passes to ensure even cultivation of the entire area.

Video 2: Demonstrates starting and operating a compact thermal tiller in different modes for surface and deep tilling. This video is a general guide and may not show the exact FUXTEC FX-AF152 model.

4.3. Stopping the Engine

To stop the engine, release the throttle lever and move the flame failure switch to the 'OFF' position.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your FUXTEC FX-AF152 tiller.

- **Cleaning:** After each use, clean the tines and housing to remove soil, debris, and plant residue. Use a brush or cloth. Do not use high-pressure water directly on the engine.
- **Air Filter:** Regularly check and clean the air filter. A clogged air filter can reduce engine performance. Replace if damaged.
- **Spark Plug:** Inspect the spark plug periodically. Clean or replace it if it is fouled or worn.
- **Fuel System:** If storing the tiller for an extended period, drain the fuel tank or use a fuel stabilizer to prevent fuel degradation.
- **General Inspection:** Check all bolts, nuts, and fasteners for tightness. Inspect cables and controls for wear or damage.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your tiller.

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect fuel mixture, clogged fuel filter, faulty spark plug, choke not set correctly.	Check fuel level and mixture. Clean/replace fuel filter. Inspect/replace spark plug. Adjust choke.
Loss of power during operation	Clogged air filter, incorrect fuel mixture, dull tines, engine overheating.	Clean/replace air filter. Verify fuel mixture. Inspect tines for wear. Allow engine to cool.
Excessive vibration	Loose components, damaged tines, debris wrapped around tines.	Check all fasteners. Inspect/replace damaged tines. Clear any debris.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact FUXTEC customer support.

7. SPECIFICATIONS

Technical data for the FUXTEC FX-AF152 Thermal Tiller.

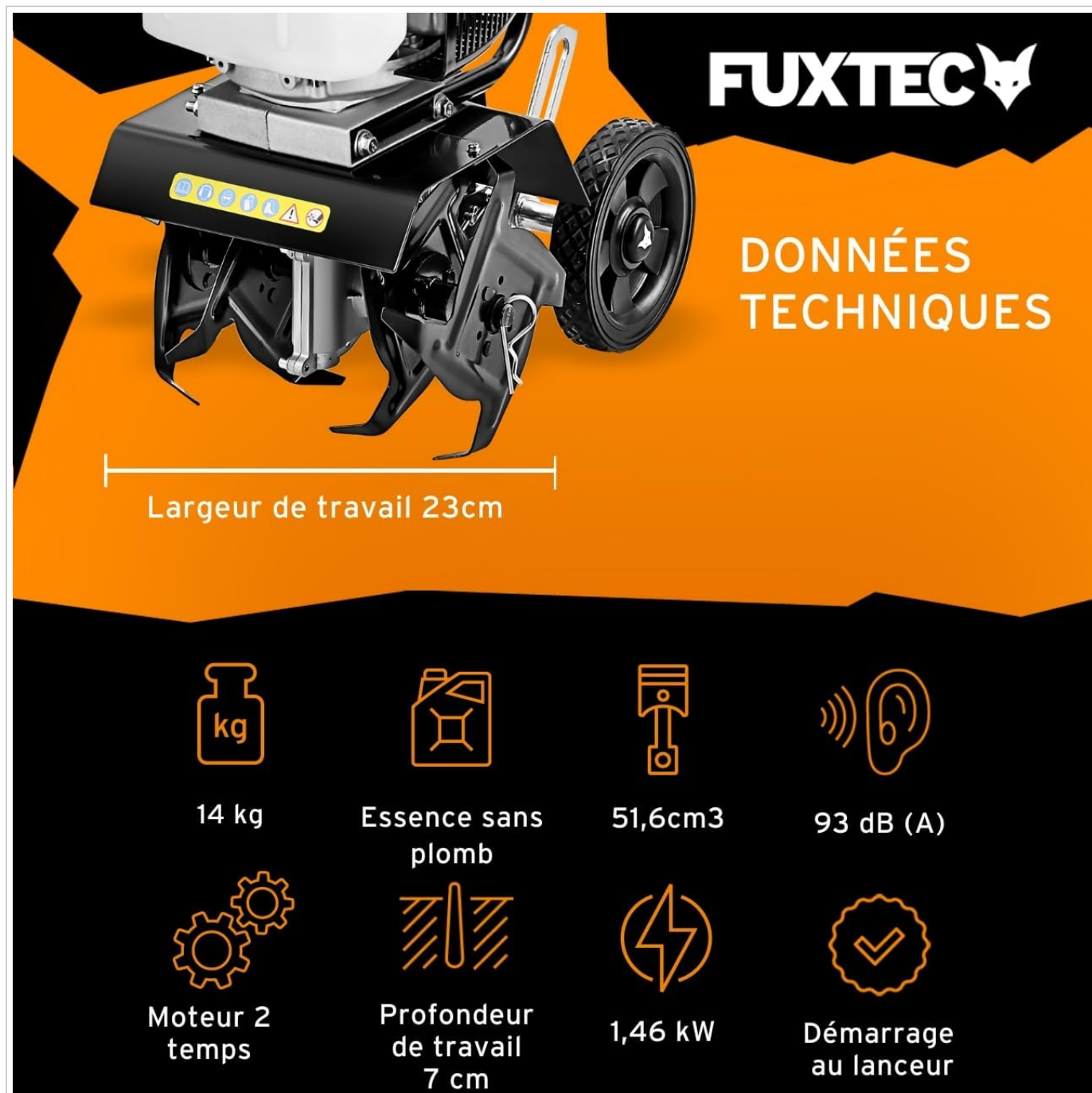


Figure 3: Technical specifications overview for the FUXTEC FX-AF152.

Specification	Value
Manufacturer	FUXTEC
Model Reference	FX-AF152
Engine Type	2-stroke, Gasoline
Engine Displacement	51.6 cm ³
Power	1.46 kW
Working Width	23 cm
Working Depth	70 mm
Product Dimensions (L x W x H)	7 x 23 x 7 cm

Specification	Value
Product Weight	14 kg (approx. 16.15 kg packaged)
Color	Black

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about spare parts, please contact FUXTEC customer service directly. Keep your purchase receipt and product model number (FX-AF152) handy when contacting support.

FUXTEC is a European company based in Herrenberg, Germany, committed to providing high-quality products and customer satisfaction.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question