

Fuxtec FX-EB152

Fuxtec FX-EB152 Thermal Earth Auger

USER MANUAL

Brand: Fuxtec | Model: FX-EB152

Introduction

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your Fuxtec FX-EB152 Thermal Earth Auger. The FX-EB152 is a powerful tool designed for various applications in horticulture, forestry, gardening, and landscaping, including drilling holes for fence posts, foundations, and tree planting. It features a 3.0 HP, 52 cm³ engine with an Easy Starter system for convenient starting, a robust steel tubular frame, and contactless ignition.

Please read this manual thoroughly before operating the device to ensure proper use and to prevent injury or damage. Keep this manual for future reference.

Safety Information

Operating power tools can be dangerous if proper safety precautions are not followed. Always prioritize your safety and the safety of others.

- **Read the Manual:** Familiarize yourself with all controls and safety warnings before use.
- **Personal Protective Equipment (PPE):** Always wear appropriate safety gear, including safety glasses, hearing protection, sturdy gloves, and non-slip footwear. Avoid loose clothing that could get caught in moving parts.
- **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 open flames or sparks. Do not smoke while refueling. Use the correct fuel mixture (1:40 gasoline to oil ratio).
- **Secure Grip:** Always maintain a firm grip on the handles with both hands during operation. Be prepared for sudden jolts or kickbacks.
- **Inspect Before Use:** Before each use, inspect the auger for any damaged or loose parts. Ensure the auger bit is securely attached.
- **Emergency Stop:** Know how to quickly stop the engine in an emergency.

- **Avoid Obstacles:** Be aware of underground pipes, cables, or rocks that could cause kickback or damage the auger.

Product Components

The Fuxtec FX-EB152 Thermal Earth Auger comes with the following main components:

- Main Engine Unit with Easy Starter
- Steel Tubular Frame with Handles
- Auger Bit (100mm diameter)
- Auger Bit (150mm diameter)
- Auger Bit (200mm diameter)
- Fuel Mixing Can

The main unit includes the engine, fuel tank, throttle control, and the gearbox with an innovative oil control window. The robust steel frame provides stability and handles for two-person operation, if needed.



Image: Close-up of the Fuxtec FX-EB152 engine and control handles, showing the throttle and safety switch.



Image: The Fuxtec FX-EB152 earth auger displayed with its three included auger bits (100mm, 150mm, and 200mm).

Setup

1. **Unpacking:** Carefully remove all components from the packaging. Check for any shipping damage.
2. **Handle Assembly:** Attach the handles to the main engine unit using the provided hardware. Ensure all bolts are tightened securely.
3. **Auger Bit Attachment:** Select the desired auger bit (100mm, 150mm, or 200mm). Insert the auger bit shaft into the drill holder on the gearbox and secure it with the retaining pin and clip. Ensure it is firmly seated and cannot detach during operation.
4. **Fuel Preparation:** The FX-EB152 uses a 2-stroke engine. Prepare a fuel mixture of gasoline and 2-stroke engine oil at a ratio of 1:40 (e.g., 25ml oil per 1 liter of gasoline). Use the provided mixing can for accurate measurement.
5. **Fueling:** With the engine off and cool, carefully pour the prepared fuel mixture into the fuel tank. Do not overfill. Wipe up any spilled fuel immediately.

6. **Gearbox Oil Check:** Verify the gearbox oil level using the innovative oil control window. If necessary, top up with appropriate gearbox oil. Refer to the maintenance section for oil specifications.

Operating Instructions

1. Starting the Engine (Easy Starter):

- Place the auger on a flat, stable surface.
- Ensure the auger bit is not touching the ground or any obstacles.
- Set the choke lever to the "START" or "CLOSED" position (if cold engine).
- Press the primer bulb several times until fuel is visible in the return line.
- Pull the starter cord slowly until resistance is felt, then pull sharply and quickly. Repeat until the engine fires.
- Once the engine fires, move the choke lever to the "RUN" or "OPEN" position.
- Allow the engine to warm up for a few moments before applying throttle.

2. Drilling:

- Hold the auger firmly with both hands. For larger bits or tough soil, two operators may be required.
- Position the auger bit over the desired drilling spot.
- Slowly engage the throttle to begin rotating the auger bit.
- Apply steady, downward pressure as the bit penetrates the soil. Avoid excessive force.
- If the auger encounters resistance (e.g., a rock or root), release the throttle immediately to prevent kickback.
- Periodically lift the auger slightly to clear soil from the hole and allow the bit to cool.

3. Stopping the Engine:

- Release the throttle to allow the engine to idle.
- Press the engine stop switch to turn off the engine.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your Fuxtec FX-EB152. Always perform maintenance with the engine off and cool.

- **Cleaning:** After each use, clean the auger bit and the main unit to remove soil, debris, and fuel residue. Use a damp cloth and mild detergent. Do not use high-pressure washers.
- **Air Filter:** Regularly inspect and clean the air filter. A clogged air filter can reduce engine performance. Clean with compressed air or replace if heavily soiled.
- **Spark Plug:** Check the spark plug periodically for wear and carbon buildup. Clean or replace as needed to ensure reliable starting and engine operation.
- **Gearbox Oil:** Monitor the gearbox oil level using the oil control window. Ensure the high-quality ventilation valve is clear. Change the gearbox oil according to the manufacturer's recommendations or if it appears dirty.
- **Fuel System:** If storing the auger for an extended period, drain the fuel tank or use a fuel stabilizer to prevent fuel degradation.
- **Auger Bits:** Inspect auger bits for wear or damage. Sharpen or replace dull blades for efficient drilling.
- **Lubrication:** Lubricate moving parts as indicated in the full product manual (not provided here).
- **FUXTEC Oils:** For optimal and durable operation, FUXTEC recommends using original FUXTEC oils.

Troubleshooting

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect choke setting, fouled spark plug, clogged fuel filter, old fuel.	Check fuel level and mixture. Adjust choke. Clean/replace spark plug. Clean/replace fuel filter. Use fresh fuel.
Engine runs poorly or lacks power	Clogged air filter, incorrect fuel mixture, fouled spark plug, carburetor issues.	Clean air filter. Ensure correct 1:40 fuel mixture. Clean/replace spark plug. Consult a service technician for carburetor issues.
Auger bit not rotating	Auger bit not properly attached, gearbox issue, engine not at sufficient RPM.	Check auger bit attachment. Increase engine speed. If problem persists, consult service.
Excessive vibration	Loose auger bit, damaged auger bit, loose engine components.	Check auger bit for secure attachment and damage. Inspect all fasteners.

For issues not listed here or if troubleshooting steps do not resolve the problem, please contact Fuxtec customer support.

Specifications

- **Model Number:** FX-EB152
- **Engine Type:** 2-stroke, Air-cooled
- **Engine Displacement:** 52 cm³
- **Maximum Power:** 3.0 HP
- **Fuel Mix Ratio:** 1:40 (Gasoline:2-stroke oil)
- **Ignition System:** Contactless (CDI)
- **Starting System:** Easy Starter
- **Included Auger Bits:** 100mm, 150mm, 200mm diameter
- **Maximum Chuck Size:** 200 mm
- **Material:** Steel
- **Product Dimensions (L x W x H):**83 x 57 x 28 cm
- **Item Weight:** 20 Kilograms
- **Maximum Torque:** 3 Newton Meters
- **Number of Speeds:** 1

Warranty Information

Fuxtec products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Fuxtec website. Keep your proof of purchase for any warranty claims.

Support

Should you require technical assistance, spare parts, or have any questions regarding your Fuxtec FX-EB152

Thermal Earth Auger, please contact Fuxtec customer service. As a European company based in Germany, Fuxtec ensures long-term availability of spare parts and offers a technical hotline and customer service.

For more information, visit the official Fuxtec website or refer to the contact details provided in your product packaging.