

Metabo 600131000

Metabo SXE 425 TurboTec Eccentric Sander User Manual

Model: 600131000

1. SAFETY INSTRUCTIONS

Always observe the following basic safety precautions when operating the Metabo SXE 425 TurboTec Eccentric Sander to prevent electric shock, fire, and/or serious injury.

- **Read all instructions:** Familiarize yourself with the controls and proper use of the tool.
- **Work area safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical safety:** Do not expose power tools to rain or wet conditions. Do not abuse the cord.
- **Personal safety:** Always wear eye protection, dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions.
- **Tool use and care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Dust extraction:** Always use the integrated dust bag or connect to an external dust extraction system to minimize dust exposure.
- **Maintenance:** Have your power tool serviced by a qualified repair person using only identical replacement parts.

2. PRODUCT OVERVIEW

The Metabo SXE 425 TurboTec is a high-performance eccentric sander designed for efficient and precise sanding of various materials. Its robust construction and advanced features ensure durability and superior finish.



Figure 2.1: Overview of the Metabo SXE 425 TurboTec Eccentric Sander, showing its ergonomic design and attached dust collection bag.

2.1 Components

- **Sanding Pad:** 125 mm diameter, multi-hole design for efficient dust extraction, with hook and loop fastening for abrasive sheets.
- **Vario (V)-Electronics:** Speed control dial for material-specific working speeds.
- **TurboBoost Switch:** Activates additional power reserves for maximum material removal.
- **Removable Auxiliary Handle:** Provides additional grip and control.
- **Dust Bag:** Easy-to-empty textile dust bag for working without an external vacuum cleaner.
- **Dust Extraction Port:** For connecting to a universal vacuum cleaner.
- **Power Cord:** Durable power supply cable.

2.2 Technical Specifications

Feature	Specification
Model Number	600131000
Sanding Pad Diameter	125 mm
Rated Input Power	320 W
No-Load Speed	4200-11000 RPM
Voltage	240 Volts
Weight	2 Kilograms
Power Source	AC/DC
Dimensions (L x W x H)	39 x 20.5 x 17.5 cm

3. SETUP

3.1 Attaching the Sanding Pad

Ensure the tool is unplugged before attaching or changing sanding sheets. The sanding pad features a hook and loop (Velcro) fastening system for quick and easy abrasive sheet changes.

1. Align the holes on the abrasive sheet with the holes on the sanding pad.
2. Press the abrasive sheet firmly onto the sanding pad to ensure a secure attachment.



Figure 3.1: The multi-hole sanding pad designed for optimal dust extraction and easy abrasive sheet attachment.

3.2 Connecting Dust Management

Effective dust management is crucial for a clean work environment and extended abrasive life. The SXE 425 TurboTec offers two options:

- **Textile Dust Bag:** Attach the provided textile dust bag to the dust extraction port. Ensure it is securely fitted. Empty the bag regularly for optimal performance.
- **External Dust Extraction:** For maximum dust collection, connect a universal vacuum cleaner to the dust extraction port. This is recommended for prolonged use or when working with fine dust.



Figure 3.2: The sander in use with an external dust extraction system, demonstrating efficient dust collection during operation.

3.3 Power Connection

Connect the power cord to a suitable 240V AC/DC power outlet. Ensure the power outlet is grounded and meets local electrical safety standards.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To turn the sander on, press the power switch. To turn it off, release the power switch. For continuous operation, some models may feature a lock-on button.



Figure 4.1: Detail of the power switch, indicating its location for easy access during operation.

4.2 Speed Adjustment (Vario-Electronics)

The Vario-Electronics feature allows you to pre-select the sanding speed using the adjustment dial. This ensures optimal results for different materials and applications.

- Lower speeds are suitable for polishing or delicate materials.
- Higher speeds are ideal for rapid material removal on robust surfaces.

4.3 TurboBoost Function

Activate the TurboBoost switch to engage additional power reserves for maximum material removal. This function is particularly useful for aggressive sanding tasks or when a quick finish is required.



Figure 4.2: The TurboBoost button, which provides a temporary increase in power for demanding sanding tasks.

4.4 Sanding Techniques

For best results, hold the sander firmly with both hands (using the auxiliary handle if attached) and apply even, moderate pressure. Move the sander in overlapping circular or elliptical patterns across the workpiece. Avoid tilting the sander or applying excessive pressure, as this can lead to uneven sanding or damage to the workpiece.



Figure 4.3: Proper handling and technique for effective sanding, ensuring a smooth and consistent finish.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Metabo SXE 425 TurboTec sander. Always unplug the tool before performing any maintenance.

5.1 Cleaning

- After each use, clean the tool's ventilation slots to prevent dust buildup, which can lead to overheating. Use compressed air or a soft brush.
- Wipe down the exterior of the tool with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Empty the dust bag regularly. If using an external dust extraction system, ensure its filter is clean.

5.2 Sanding Pad Replacement

The sanding pad is a wear part and may need replacement over time if it becomes damaged or loses its hook and loop effectiveness. Refer to the official Metabo service manual for detailed instructions on replacing the sanding pad, or contact an authorized service center.

5.3 Storage

Store the sander in a dry, secure location, out of reach of children. Protect it from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Metabo SXE 425 TurboTec sander. For problems not listed here, contact Metabo customer support or an authorized service center.

Problem	Possible Cause	Solution
Sander does not start.	No power supply; faulty power cord/plug; defective switch.	Check power outlet and cord. If problem persists, seek professional service.
Reduced sanding performance.	Worn abrasive sheet; clogged sanding pad holes; full dust bag/clogged extraction.	Replace abrasive sheet. Clean sanding pad. Empty dust bag or clear extraction system.
Excessive vibration or noise.	Damaged sanding pad; loose components; internal mechanical issue.	Inspect sanding pad for damage. Ensure all attachments are secure. If noise persists, contact service.
Overheating.	Blocked ventilation slots; continuous heavy load.	Clean ventilation slots. Allow tool to cool down. Avoid prolonged heavy use without breaks.

7. WARRANTY AND SUPPORT

Metabo products are manufactured to the highest quality standards. For information regarding warranty coverage, service, or spare parts, please refer to the warranty card included with your product or visit the official Metabo website. Keep your purchase receipt as proof of purchase.

For technical assistance or to locate an authorized service center, please contact Metabo customer support.

Official Metabo Website: www.metabo.com

Customer Service: Refer to your regional Metabo contact information.

ASK A QUESTION ABOUT THIS MANUAL

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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.

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