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Metabo 601086420

User Manual

Metabo WE 17-125 Quick RT Angle Grinder

Model: 601086420 | Brand: Metabo

1. Product Overview

The Metabo WE 17-125 Quick RT is an extremely powerful angle grinder designed for professional use. It features a compact and comfortable rat tail design, boasting 14.5 amps and 1,700 input watts. This tool is equipped with advanced features including Anti-Vibration technology, a lock-on switch, and electronic controls for soft start and speed stabilization, ensuring efficient and safe operation.



Figure 1: Metabo WE 17-125 Quick RT Angle Grinder, showcasing its compact design and side handle.

Key Features:

- 14.5 amp, 4.5/5" angle grinder with electronics
- 11,000 revolutions per minute
- Locking trigger for continuous operation
- Rat tail design for enhanced comfort and control
- Electronic features including speed stabilization, soft start, and overload protection

2. Safety Information

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools. Read and understand all instructions before use.

General Safety Rules:

- **Eye Protection:** Always wear safety goggles or safety glasses with side shields.
- **Hearing Protection:** Use ear protection during operation to prevent hearing damage.
- **Respiratory Protection:** Wear a dust mask, especially when grinding materials that produce fine particles.
- **Proper Attire:** Do not wear loose clothing, ties, or jewelry that can get caught in moving parts. Secure long hair.
- **Work Area:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Secure Workpiece:** Always clamp or secure the workpiece to a stable surface to prevent movement during operation.
- **Avoid Kickback:** Maintain a firm grip on the tool and be aware of potential kickback, especially when working with edges or corners.
- **Power Source:** Ensure the power source matches the tool's requirements (120 Volts).
- **Unplug When Not in Use:** Always unplug the tool from the power source before making any adjustments, changing accessories, or storing it.

3. Setup and Assembly

Attaching the Side Handle:

The side handle provides additional control and stability during operation. It can be screwed into either side of the gear housing, depending on user preference and application. Ensure it is tightened securely before use.

Installing/Changing Grinding Discs:

1. Ensure the angle grinder is unplugged from the power source.
2. Press and hold the spindle lock button to prevent the spindle from rotating.
3. Use the provided spanner wrench to loosen and remove the locking nut.
4. Remove the old grinding disc and clean the inner flange and spindle.
5. Place the new grinding disc onto the inner flange, ensuring it is seated correctly.
6. Replace the locking nut and tighten it firmly with the spanner wrench while holding the spindle lock button.
7. Verify the disc is securely attached and the guard is properly positioned for the task.



Figure 2: Proper method for changing the grinding disc, ensuring the tool is unplugged and the spindle lock is engaged.

4. Operating Instructions

Powering On and Off:

Connect the angle grinder to a 120-volt power outlet. To start the tool, depress the locking trigger. For continuous operation, engage the lock-on switch. To turn off, release the trigger or disengage the lock-on switch. The soft start feature ensures a smooth power-up, reducing sudden jolts.

Grinding Techniques:

Hold the grinder firmly with both hands, utilizing the side handle for maximum control. Apply light, even pressure to the workpiece. Allow the tool's speed stabilization electronics to maintain consistent RPMs under load. Avoid excessive pressure, which can lead to overheating or premature disc wear. The Anti-Vibration technology helps reduce user fatigue during extended use.

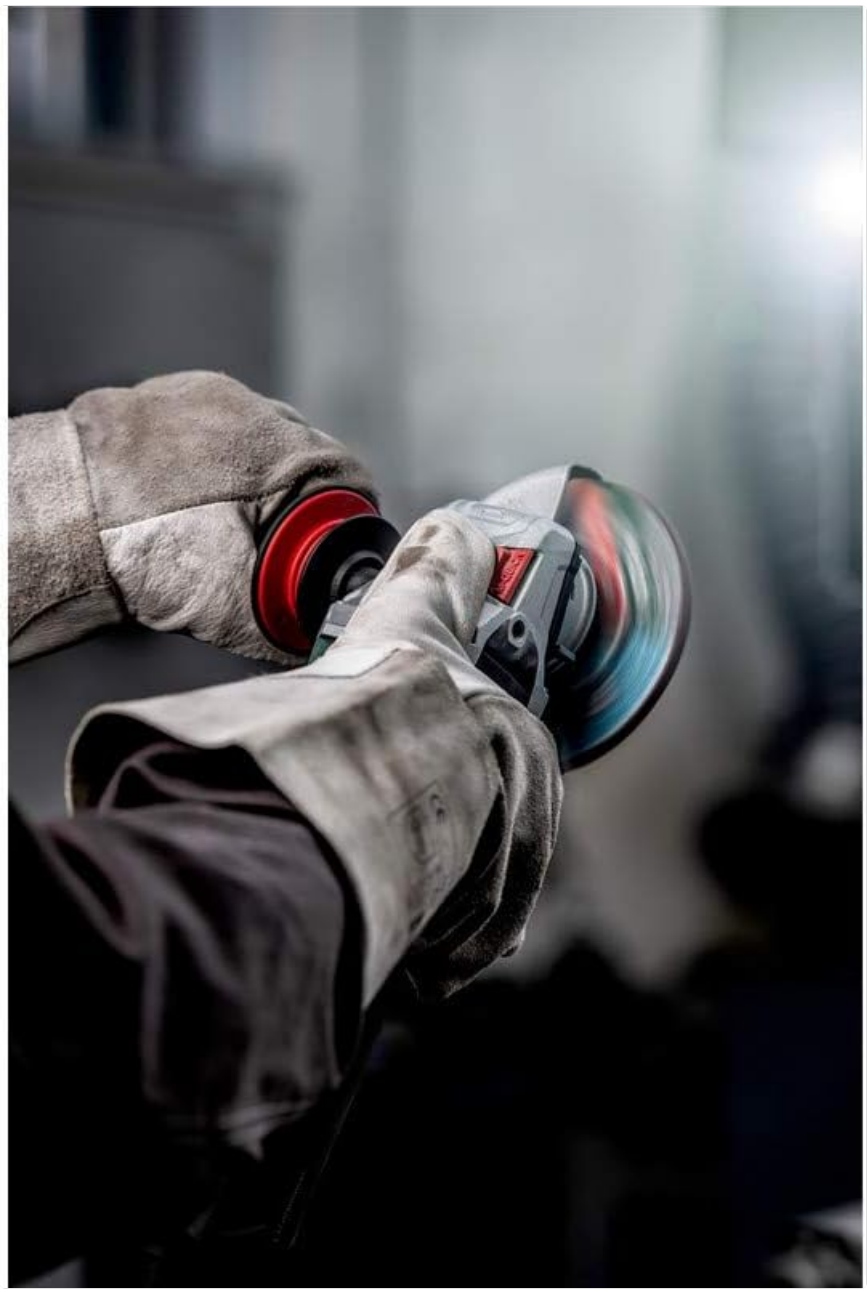


Figure 3: Demonstrating the Metabo angle grinder in active use, highlighting proper grip and spark management.

Note: No official product videos from a "Seller" were available for embedding based on the provided data. Please refer to the written instructions and diagrams for operational guidance.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Metabo angle grinder. Always unplug the tool before performing any maintenance.

Cleaning:

- Periodically clean the ventilation openings to prevent overheating. Use compressed air to blow out dust and debris.
- Wipe down the exterior of the tool with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

Carbon Brush System:

This model features a new carbon brush system designed for 2x longer lifetime. While designed for extended durability, regular inspection of the carbon brushes is recommended. If the tool experiences reduced power or intermittent operation,

consult a qualified service technician for brush inspection and replacement.

Storage:

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

6. Troubleshooting

Before attempting any repairs, ensure the tool is unplugged from the power source. For issues not listed below, contact Metabo customer support or a qualified service center.

Problem	Possible Cause	Solution
Tool does not start.	No power supply; Faulty power cord/plug; Overload protection activated.	Check power outlet and connections; Inspect cord for damage; Allow tool to cool down and reset.
Reduced power or intermittent operation.	Worn carbon brushes; Excessive debris in motor; Dull or incorrect grinding disc.	Have carbon brushes inspected/replaced by service technician; Clean tool thoroughly; Replace grinding disc.
Excessive vibration.	Damaged or unbalanced grinding disc; Loose components.	Replace grinding disc; Check all fasteners and tighten as necessary.

7. Technical Specifications

Specification	Value
Brand	Metabo
Model Number	601086420
Power Source	Corded Electric
Voltage	120 Volts
Wattage	1700 watts
Amperage	14.5 Amps
Maximum Rotational Speed	11,000 RPM
Item Weight	6 Pounds
Product Dimensions	17.5 x 4 x 4 inches
Material	Metal
Color	Green
Included Components	Tool, inner flange, locking nut, side handle, type 27 wheel guard

8. Warranty and Support

Warranty Information:

The Metabo WE 17-125 Quick RT angle grinder comes with a 3-year limited warranty. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the official Metabo warranty documentation included with your product or visit the official Metabo website.

Customer Support:

For technical assistance, spare parts, or service inquiries, please contact Metabo customer support. You can find contact information on the official Metabo website or in the packaging materials.
Visit the official Metabo Store for more products and information:Metabo Store

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