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Yato YT-82200

Yato YT-82200 Polisher Machine 150 mm User Manual

Model: YT-82200

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your Yato YT-82200 Polisher Machine. Please read this manual thoroughly before using the device to ensure proper handling and to prevent injury or damage.



Figure 1: Yato YT-82200 Polisher Machine 150 mm. This image shows the polisher machine with a polishing pad attached, ready for use.

2. SAFETY INFORMATION

Always prioritize safety when operating power tools. Failure to follow safety instructions can result in electric shock, fire, and/or serious injury. Keep this instruction manual for future reference.

- **Read all instructions:** Before operating the polisher, read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool.
- **Wear appropriate personal protective equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask when operating the polisher.
- **Secure the workpiece:** Ensure the material being polished is stable and secured to prevent movement during operation.
- **Maintain a clean work area:** Cluttered or dark areas invite accidents.
- **Avoid accidental starting:** Ensure the switch is in the off-position before connecting to power, picking up, or carrying the tool.
- **Use the correct power supply:** The polisher operates on 220-240 V mains voltage at 50Hz.
- **Inspect the tool before use:** Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation.

3. PRODUCT COMPONENTS

The Yato YT-82200 Polisher Machine package typically includes the following items:

- 1 x Yato YT-82200 Polisher Machine
- Polishing pads (quantity may vary)
- Instruction Manual



Figure 2: Polisher machine and included accessories stored in its carrying case.

4. SPECIFICATIONS

Key technical specifications for the Yato YT-82200 Polisher Machine:

Specification	Value
Model Number	YT-82200
Power Source	Corded Electric
Mains Voltage	220-240 V
Mains Frequency	50 Hz
Maximum Power	720 Watts

Specification	Value
No Load Speed	2100 - 5000 RPM (Revolutions Per Minute)
Diameter of Disk	150 mm
Power Cable Length	5 meters
Item Weight	1 kg
Dimensions (LxWxH)	49 x 8 x 22.5 cm

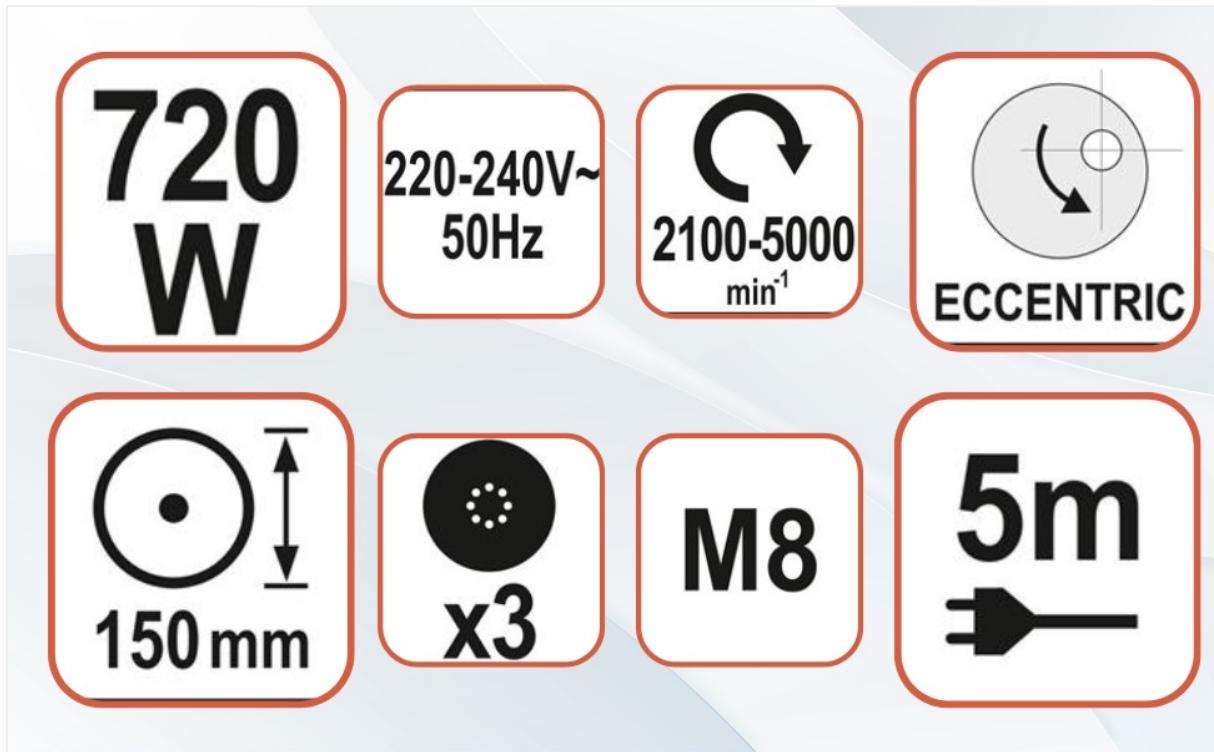


Figure 3: Visual representation of key technical specifications including power, voltage, speed, eccentric motion, disk diameter, and cable length.

5. SETUP

- Unpack:** Carefully remove the polisher and all accessories from the packaging. Inspect for any damage that may have occurred during shipping.
- Attach Polishing Pad:** Ensure the polisher is unplugged. Align the desired polishing pad with the backing plate on the polisher. Press firmly to secure the pad.
- Power Connection:** Connect the 5-meter power cable to a suitable 220-240V, 50Hz power outlet. Ensure the power switch on the tool is in the 'OFF' position before plugging in.

6. OPERATING INSTRUCTIONS

The Yato YT-82200 Polisher Machine is designed for machining surfaces made of metal, stone, and wood, and is ideal for tasks such as car polishing, floor waxing, and paint removal.

- Prepare the Surface:** Clean the surface to be polished, waxed, or have paint removed. Ensure it is free from loose dirt and debris.
- Apply Compound/Wax:** Apply a small amount of polishing compound or wax directly to the polishing pad or the surface.

3. **Start the Polisher:** Hold the polisher firmly with both hands. Place the polishing pad flat against the surface. Turn the power switch to the 'ON' position.
4. **Adjust Speed:** Use the adjustable speed control to set the desired RPM (2100 - 5000 RPM) based on the task and material. Lower speeds are generally used for spreading compounds, while higher speeds are for finishing.
5. **Polish the Surface:** Move the polisher in a consistent, overlapping pattern across the surface. The weight of the polisher is designed to allow operation without excessive pressure from the operator, reducing fatigue. The high spindle torque facilitates easy spreading of polishing paste and wax on large surfaces.
6. **Finish:** Once the desired result is achieved, turn the polisher off and lift it from the surface.



Figure 4: The polisher being used for various applications including floor waxing, paint removal, and car polishing.

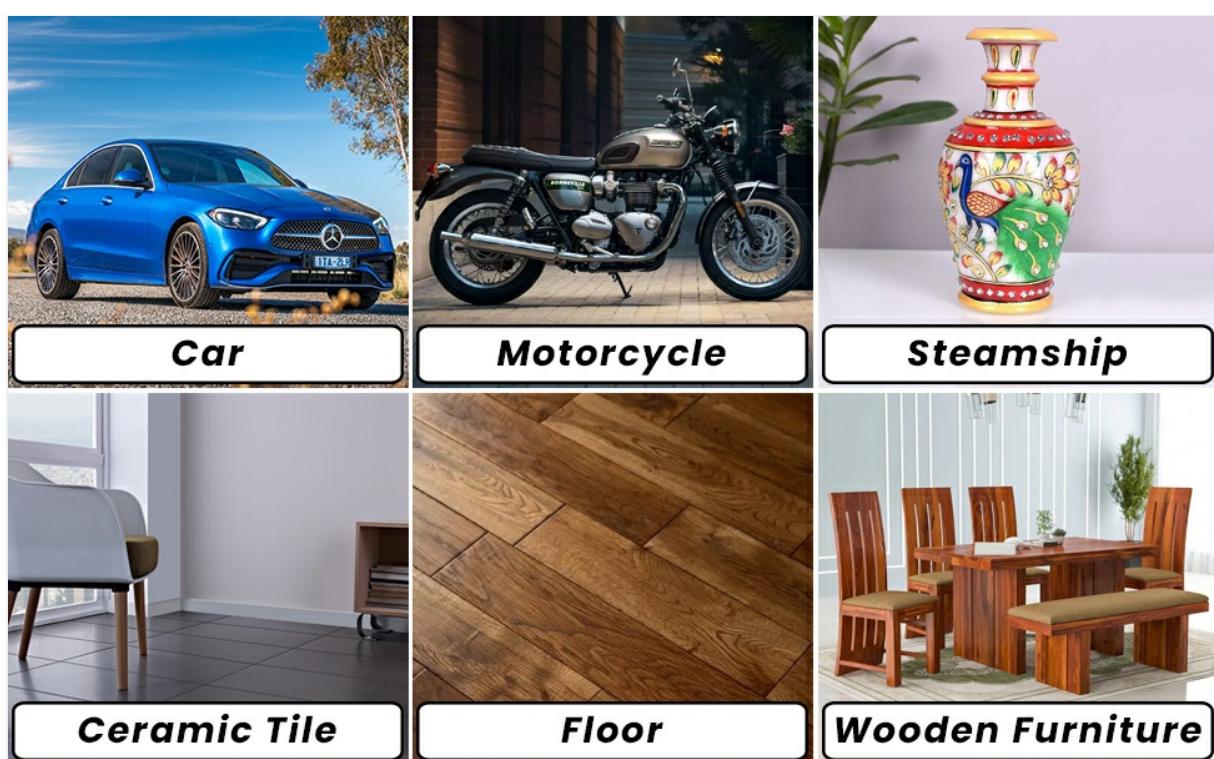


Figure 5: The polisher is suitable for a wide range of surfaces and items such as cars, motorcycles, ceramic tiles, floors, and wooden furniture.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your polisher.

- **Cleaning:** After each use, unplug the tool and clean the exterior with a soft, damp cloth. Remove any residue from the polishing pad and backing plate.
- **Brush Inspection:** Periodically check the carbon brushes for wear. Replace them if they are worn down to the wear limit.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage, cuts, or fraying. Replace damaged cords immediately.
- **Storage:** Store the polisher in a dry, secure location, out of reach of children. The thickened copper winding is designed for long-lasting work, but proper storage further extends its life.

8. TROUBLESHOOTING

If you encounter issues with your Yato YT-82200 Polisher Machine, refer to the following common troubleshooting steps:

- **Tool does not start:**
 - Check if the power cord is securely plugged into a working outlet.
 - Ensure the power switch is in the 'ON' position.
 - Verify the power outlet is supplying electricity (test with another device).
- **Reduced power or inconsistent speed:**
 - Check for excessive load on the motor; reduce pressure.
 - Inspect carbon brushes for wear and replace if necessary.
 - Ensure the speed adjustment dial is set correctly.
- **Excessive vibration or noise:**
 - Ensure the polishing pad is correctly attached and not damaged.
 - Check for any loose components or foreign objects.

For issues not resolved by these steps, please contact customer support.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Yato YT-82200 Polisher Machine, please contact Yato Tools (Shanghai) Co. Ltd. or your authorized dealer. Keep your purchase receipt as proof of purchase.