

Holzmann TS250

Holzmann TS250 400V Table Saw User Manual

Model: TS250 | Brand: Holzmann

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Holzmann TS250 400V Table Saw. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

The Holzmann TS250 is an easy-to-use circular saw, ideal for beginners in wood cutting. It offers excellent value for money and is designed as a compact machine suitable for small workshops.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or death.

- **Read the Manual:** Read and understand all instructions before operating the saw.
- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask. Avoid loose clothing or jewelry.
- **Work Area:** Keep the work area clean, well-lit, and free of clutter. Ensure adequate ventilation.
- **Electrical Safety:** Ensure the machine is properly grounded. Do not operate in damp or wet conditions. Disconnect power before making adjustments or maintenance.
- **Blade Safety:** Ensure the blade is sharp, clean, and correctly installed. Never operate without the blade guard in place.
- **Material Handling:** Use push sticks or push blocks for narrow cuts. Never reach over or behind the spinning blade.
- **Emergency Stop:** Familiarize yourself with the location of the emergency stop button.

3. COMPONENTS AND FEATURES

The Holzmann TS250 table saw is designed with several key components for precision and ease of use.



Figure 3.1: Front view of the Holzmann TS250 Table Saw, showing the main table, blade guard, and dust collection hose connection.

Figure 3.2: Side view of the Holzmänn TS250 Table Saw, illustrating the rip fence, sliding table, and additional table extension.

- **Cast Iron Table:** Provides a stable and durable work surface (635 x 420 mm).
- **Table Extension:** Welded extension for larger workpieces, expanding the table to 635 x 1000 mm.
- **Blade Adjustment Wheels:** For precise control over blade height and inclination (0 to 45°).
- **Cutting Guide with Micro-Adjustable Stop:** Ensures accurate and repeatable cuts.
- **Aluminum Rip Fence:** With quick anchoring for secure material positioning.
- **Dust Collection Ports:** 100 mm main port and 25 mm at the blade guard for efficient dust extraction.
- **Sliding Carriage:** Included for cross-cutting operations.

4. SETUP AND ASSEMBLY

Before operating your table saw, ensure it is properly assembled and set up in a suitable location.

1. **Unpacking:** Carefully unpack all components. Verify that all parts listed in the packing list are present.
2. **Location:** Place the saw on a firm, level surface capable of supporting its weight (107 kg net weight). Ensure ample space around the machine for safe operation and material handling.
3. **Assembly:**
 - Attach the table extension to the main cast iron table.
 - Install the 254 mm blade, ensuring it is securely fastened and oriented correctly.
 - Mount the blade guard and connect the 25 mm dust collection hose to it.
 - Install the aluminum rip fence and the sliding carriage.
 - Connect the main 100 mm dust collection hose to a suitable dust extractor (not included).
4. **Electrical Connection:** Connect the saw to a 400V, 50Hz power supply. Ensure the circuit is adequately rated for the 2200W motor.
5. **Initial Checks:** Before first use, check all fasteners for tightness. Ensure the blade rotates freely and the adjustment mechanisms operate smoothly.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your Holzmänn TS250 table saw.

1. **Preparation:**
 - Wear all required PPE.
 - Clear the work area of any obstructions.
 - Ensure the dust collection system is active.
2. **Blade Adjustment:**
 - Use the adjustment wheels to set the desired blade height. For through cuts, the blade should extend approximately 3-6 mm above the workpiece.
 - Adjust the blade inclination for bevel cuts (0-45°).
3. **Rip Cutting:**
 - Position the aluminum rip fence to the desired ripping width (up to 750 mm). Secure it firmly.
 - Place the workpiece flat on the table, against the fence.
 - Turn on the saw. Allow the blade to reach full speed before cutting.

- Feed the workpiece slowly and steadily into the blade, maintaining firm contact with the table and fence. Use a push stick for the last portion of the cut.

4. Cross Cutting (using Sliding Carriage):

- Place the workpiece on the sliding carriage, ensuring it is stable.
- Adjust the cutting guide with micro-adjustable stop for precise length.
- Turn on the saw.
- Push the sliding carriage smoothly through the blade to make the cut.

5. **After Cutting:** Turn off the saw and wait for the blade to come to a complete stop before removing cut pieces or making adjustments.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Holzmann TS250 table saw.

- **Disconnect Power:** Always disconnect the saw from the power supply before performing any maintenance or cleaning.
- **Cleaning:**
 - Regularly clean sawdust and debris from the table, blade area, and motor housing.
 - Ensure dust collection ports are clear.
- **Blade Care:**
 - Inspect the blade for sharpness and damage before each use. Replace dull or damaged blades.
 - Clean resin and pitch buildup from the blade using a suitable blade cleaner.
- **Lubrication:** Periodically lubricate moving parts such as blade height and tilt mechanisms according to the manufacturer's recommendations.
- **Inspections:** Regularly check all nuts, bolts, and screws for tightness. Inspect the power cord for damage.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your table saw.

Problem	Possible Cause	Solution
Saw does not start	No power supply; Emergency stop engaged; Thermal overload tripped	Check power connection; Reset emergency stop; Allow motor to cool and reset overload.
Blade binds or smokes	Dull or dirty blade; Incorrect blade alignment; Feeding too fast; Wood pinching	Replace or clean blade; Check and adjust blade alignment; Reduce feed rate; Ensure workpiece is not binding.
Inaccurate cuts	Fence not parallel to blade; Blade not square to table; Loose components	Adjust fence parallelism; Adjust blade squareness; Tighten all fasteners.
Excessive vibration	Damaged or unbalanced blade; Loose mounting bolts; Unstable base	Replace blade; Tighten mounting bolts; Ensure saw is on a stable, level surface.

8. TECHNICAL SPECIFICATIONS

Specification	Value
Manufacturer	Holzmann
Model Number	TS250
Power Supply	400 Volts, 50 Hz
Motor Power S1 (100%)	2200 Watts
Blade Diameter	254 mm
Blade Bore	30 mm
Blade Speed	4000 rpm
Cutting Capacity at 90°	80 mm
Cutting Capacity at 45°	65 mm
Blade Inclination	0 to 45°
Ripping Width (against guide)	750 mm
Cast Iron Table Dimensions	635 x 420 mm
Table Dimensions with Extension	635 x 1000 mm
Dust Suction Outlet Diameter	100 mm (main) and 25 mm (blade guard)
Net Weight	107 kg
Included Components	254 mm blade, aluminum carriage, rip fence, eccentric clamp, extension
Certification	CE

9. WARRANTY AND SUPPORT

The Holzmann TS250 400V Table Saw comes with a **2-year warranty**, excluding wear parts. For warranty claims, technical support, or spare parts, please contact your authorized Holzmann dealer or the point of purchase. Please have your model number (TS250) and purchase date available when contacting support.

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