

MechMaxx ELTD22

MechMaxx ELTD22 Electric Hydraulic Double Scissor Lift Table Instruction Manual

Model: ELTD22

Manufacturer: MechMaxx

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and effective use of your MechMaxx ELTD22 Electric Hydraulic Double Scissor Lift Table. Please read all instructions carefully before assembly, operation, or maintenance. Keep this manual for future reference.

The MechMaxx ELTD22 is a stationary electric hydraulic double scissor lift table designed for industrial and commercial applications. It features a robust construction, a powerful UL certified motor, and a high lifting capacity to facilitate material handling tasks efficiently and safely.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or death.

- Always ensure the lift table is placed on a stable, level surface capable of supporting the unit's weight plus the maximum load.
- Do not exceed the maximum weight capacity of 2200 lbs (1000 kg).
- Keep hands, feet, and clothing clear of the scissor mechanism during operation.
- Ensure the area around the lift table is clear of personnel and obstructions before operating.
- Never stand or ride on the lift table platform.
- Disconnect power before performing any maintenance or inspection.
- Regularly inspect all components for wear, damage, or loose fasteners. Do not operate if damaged.
- The lift table is equipped with a safety guard. If the safety frame presses against obstructions during descent, the hydraulic pump will automatically lock, and the platform will stop.
- Only qualified personnel should perform electrical connections and repairs.

3. PRODUCT FEATURES

- **High Capacity:** Equipped with a 1.5 HP 110V motor and a heavy-duty hydraulic pump, supporting a weight capacity of 2200 lbs.
- **Extended Lift Height:** Achieves a raised height of 70.1 inches, facilitating access to various working levels.
- **Spacious Platform:** Features a platform size of 51.2 inches x 32.3 inches, providing ample space for materials.
- **Enhanced Safety:** Includes a safety guard mechanism where the hydraulic pump locks and the platform stops descending if an obstruction is detected.
- **Versatile Application:** Ideal for warehouses, manufacturing plants, and distribution centers for handling, assembly, inspection, and maintenance tasks.

4. SPECIFICATIONS

Specification	Value
Model Number	ELTD22 (310004)
Manufacturer	MechMaxx
Weight Capacity	2200 lbs (1000 kg)
Raised Height	70.1 inches
Platform Size	51.2 inches x 32.3 inches
Lowered Height	12 inches
Motor	1.5 HP 110V, UL Certified
Product Dimensions	51.2 x 32.3 x 70.1 inches (fully raised)
Item Weight	606 pounds

5. SETUP INSTRUCTIONS

1. **Unpacking:** Carefully remove the lift table from its packaging. Inspect for any shipping damage. Report any damage to the carrier immediately.
2. **Positioning:** Place the lift table on a firm, level, and stable surface. Ensure adequate clearance around the table for operation and maintenance.
3. **Electrical Connection:** Connect the lift table to a grounded 110V power outlet. Ensure the power supply matches the motor specifications.
4. **Install Lifting Eye Bolts:** For initial lifting and positioning, install the provided lifting eye bolts into the designated holes on the platform. These are for transport and initial setup only.
5. **Remove Shipping Supports:** The lift table may come with shipping supports or pins to secure the scissor mechanism during transit. Carefully remove these once the table is in its final position and before initial operation.

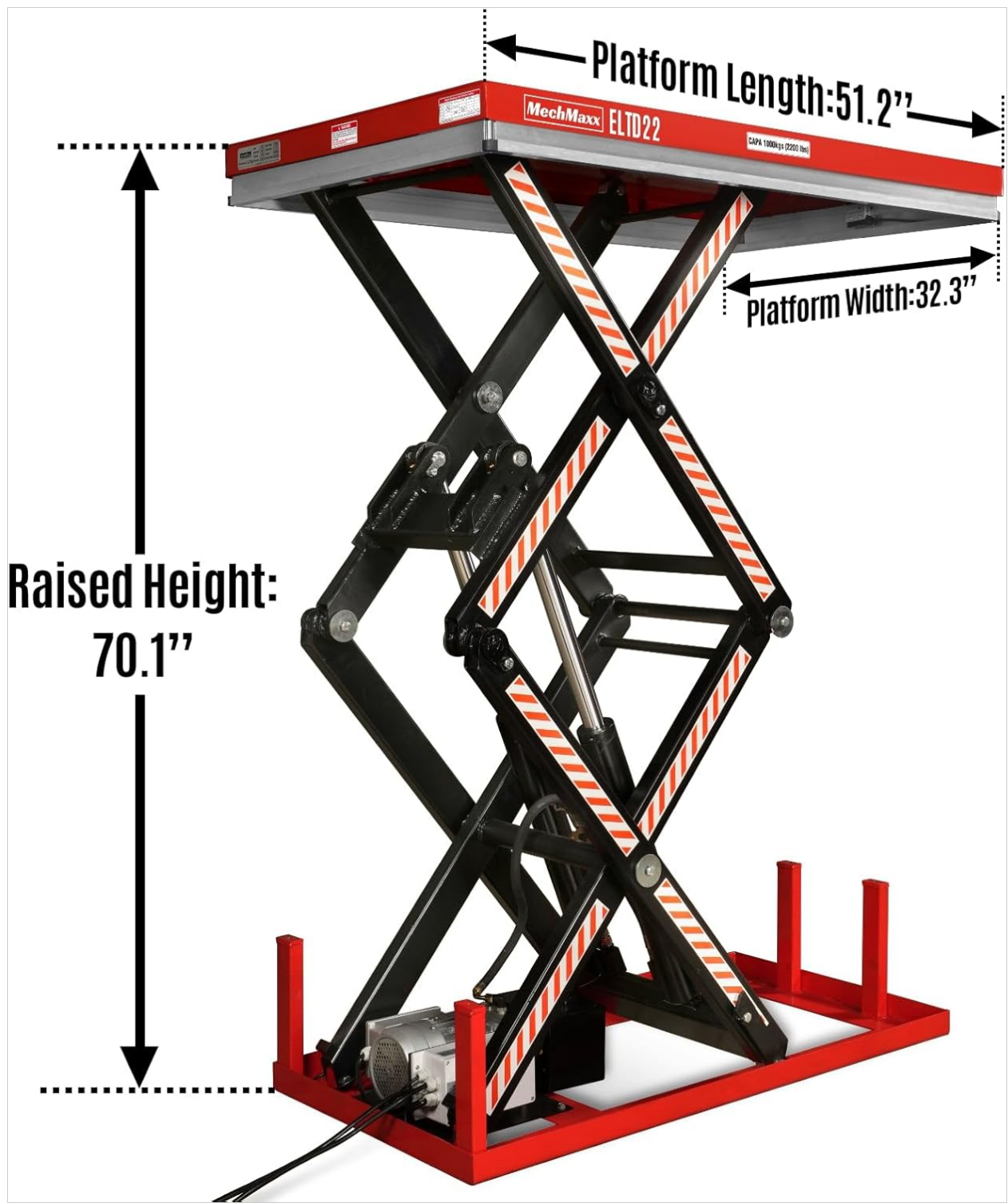


Figure 5.1: MechMaxx ELTD22 Double Scissor Lift Table with key dimensions including platform length (51.2"), platform width (32.3"), and raised height (70.1").



Figure 5.2: MechMaxx ELTD22 Double Scissor Lift Table in its lowered position (12" height) with the wired remote control visible.



Figure 5.3: Close-up view of the lifting eye bolts installed on the platform, used for safe handling during setup.

6. OPERATING INSTRUCTIONS

The MechMaxx ELTD22 lift table is operated via a wired remote control. Familiarize yourself with the controls before use.

1. **Power On:** Ensure the lift table is properly connected to a power source.
2. **Emergency Stop:** The remote control features a prominent red emergency stop button. Press this button to immediately halt all operations. To reset, twist the button clockwise until it pops out.
3. **Lifting the Platform:** Press and hold the "Up" arrow button on the remote control. The platform will begin to rise smoothly. Release the button to stop the platform at any desired height.
4. **Lowering the Platform:** Press and hold the "Down" arrow button on the remote control. The platform will begin to descend. Release the button to stop the platform.

5. **Safety Frame:** The lift table is equipped with a safety frame under the platform. If this frame encounters an obstruction during descent, the lowering action will automatically stop. Remove the obstruction before resuming operation.

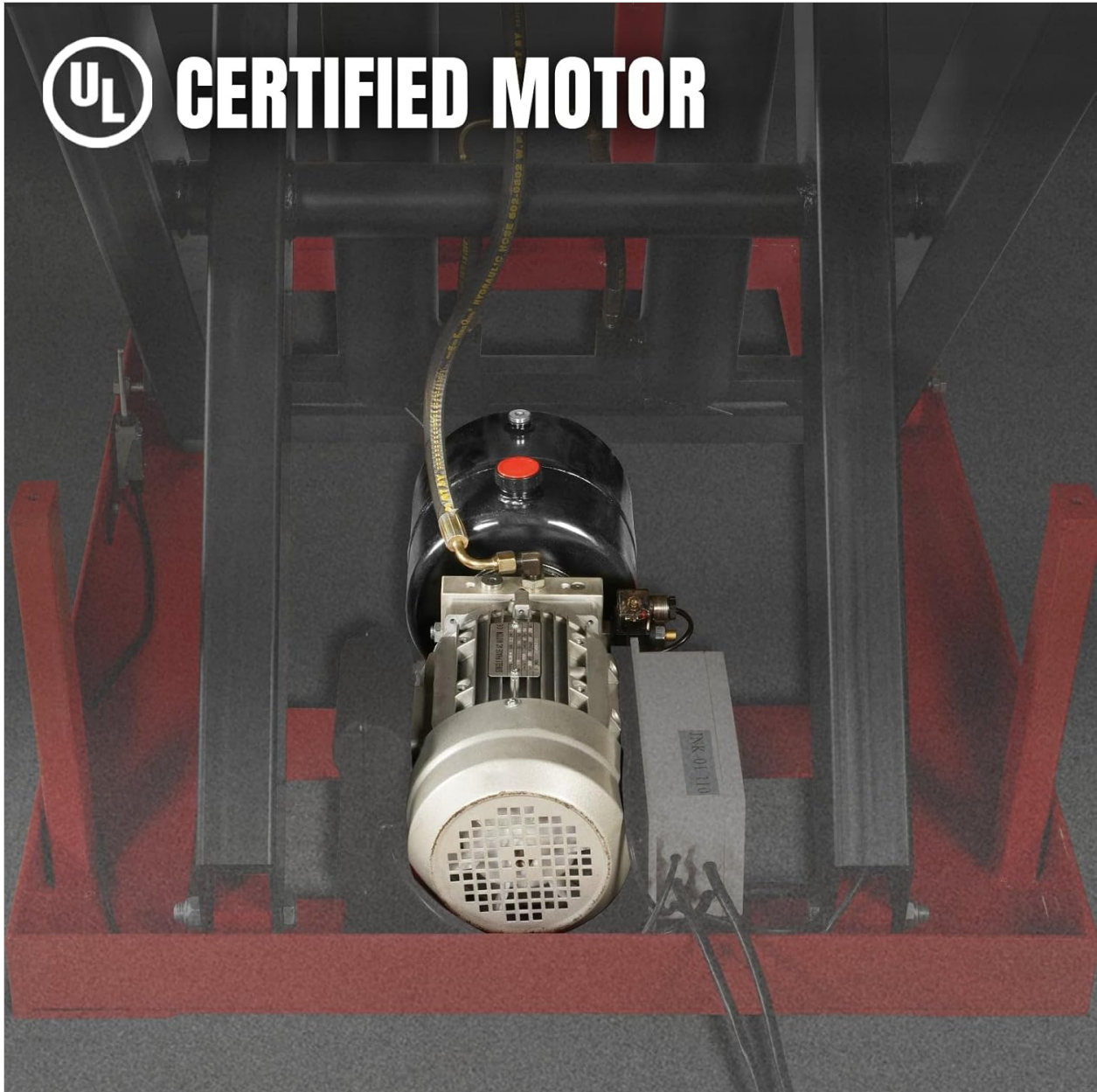


Figure 6.1: The UL Certified Motor, ensuring compliance with safety standards for electrical components.



Figure 6.2: Detailed view of the hydraulic pump and motor assembly, responsible for the lifting mechanism.



Figure 6.3: Close-up of the robust double scissor mechanism and hydraulic cylinders that provide stable and powerful lifting.



Figure 6.4: The safety frame located beneath the platform, designed to detect obstructions and prevent crushing during descent.

Operation Video

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Video 6.1: This video demonstrates the basic lifting and lowering operations of the MechMaxx ELTD22 Electric Hydraulic Double Scissor Lift Table, including the use of the remote control and the safety features.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your lift table.

1. **Daily Inspection:** Before each use, visually inspect the lift table for any signs of damage, leaks, or loose components. Check the functionality of the remote control and emergency stop button.
2. **Lubrication:** Periodically lubricate all pivot points and moving parts of the scissor mechanism with appropriate grease. Refer to the lubrication points shown in the diagrams.
3. **Hydraulic Fluid Check:** Check the hydraulic fluid level regularly. Ensure it is within the recommended range. Use only specified hydraulic fluid. Consult the manufacturer for the correct type.
4. **Electrical System:** Inspect all electrical wiring and connections for wear or damage. Ensure the power cord is intact and free from cuts or abrasions.
5. **Fasteners:** Check all bolts, nuts, and other fasteners for tightness. Tighten any loose fasteners to the recommended torque specifications.
6. **Cleaning:** Keep the lift table clean and free from debris, especially around the scissor mechanism and motor housing.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Lift table does not operate	No power supply; Emergency stop engaged; Faulty remote control; Motor issue	Check power connection; Release emergency stop; Inspect remote control cable; Contact support
Platform lowers slowly or unevenly	Low hydraulic fluid; Air in hydraulic system; Leaking hydraulic cylinder/hose	Check and refill hydraulic fluid; Bleed air from system (consult manual); Inspect for leaks and repair
Platform stops during descent	Safety frame activated by obstruction	Remove obstruction from beneath the platform
Unusual noise during operation	Lack of lubrication; Loose components; Motor or pump issue	Lubricate moving parts; Tighten fasteners; Contact support for motor/pump inspection

9. WARRANTY AND SUPPORT

MechMaxx offers customer support for inquiries and assistance with your ELTD22 Electric Hydraulic Double Scissor Lift Table. For any issues not covered in this manual or for parts and service, please contact MechMaxx customer support.

The product is subject to a 30-day easy returns policy. Please refer to your purchase documentation for specific warranty terms and conditions.

Contact Information: Refer to your purchase receipt or the MechMaxx official website for the most current customer support contact details.

