

MechMaxx ELT88

MechMaxx ELT88 Stationary Hydraulic Lift Table User Manual

Model: ELT88 | Brand: MechMaxx

1. IMPORTANT SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating the MechMaxx ELT88 Hydraulic Lift Table. Failure to follow these instructions may result in serious injury or property damage. Keep this manual for future reference.

- **Maximum Capacity:** Do not exceed the maximum weight capacity of 8800 lbs (4000 kg). Overloading can cause structural failure and severe injury.
- **Stable Surface:** Ensure the lift table is placed on a flat, level, and stable surface capable of supporting the combined weight of the lift table and its maximum load.
- **Clearance:** Maintain adequate clearance around the lift table during operation to prevent obstructions and pinch points.
- **Safety Guard:** 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. Always ensure the area beneath the platform is clear before lowering.
- **Authorized Personnel:** Only trained and authorized personnel should operate or perform maintenance on the lift table.
- **Electrical Safety:** Ensure the power supply matches the motor specifications (3 HP 110V). Inspect power cords and connections regularly for damage.
- **Emergency Stop:** Familiarize yourself with the emergency stop button on the control pendant.
- **Maintenance:** Perform regular maintenance checks as outlined in this manual to ensure safe and efficient operation.

2. PRODUCT OVERVIEW

The MechMaxx ELT88 is a robust stationary hydraulic lift table designed for industrial applications such as warehouses, manufacturing plants, and distribution centers. It facilitates the safe and efficient handling, assembly, manufacturing, inspection, and maintenance of heavy loads by lifting them to ergonomic working heights.

Key Features:

- **High Weight Capacity:** 8800 lbs (4000 kg)
- **Generous Platform Size:** 66.9 inches x 47.2 inches
- **Adjustable Height:** Raised height up to 43.3 inches, lowered height 9.8 inches.
- **Powerful Motor:** Equipped with a 3 HP 110V UL Certified motor and heavy-duty hydraulic pump.
- **Safety Guard:** Automatic lock and stop function if obstructions are detected during descent.

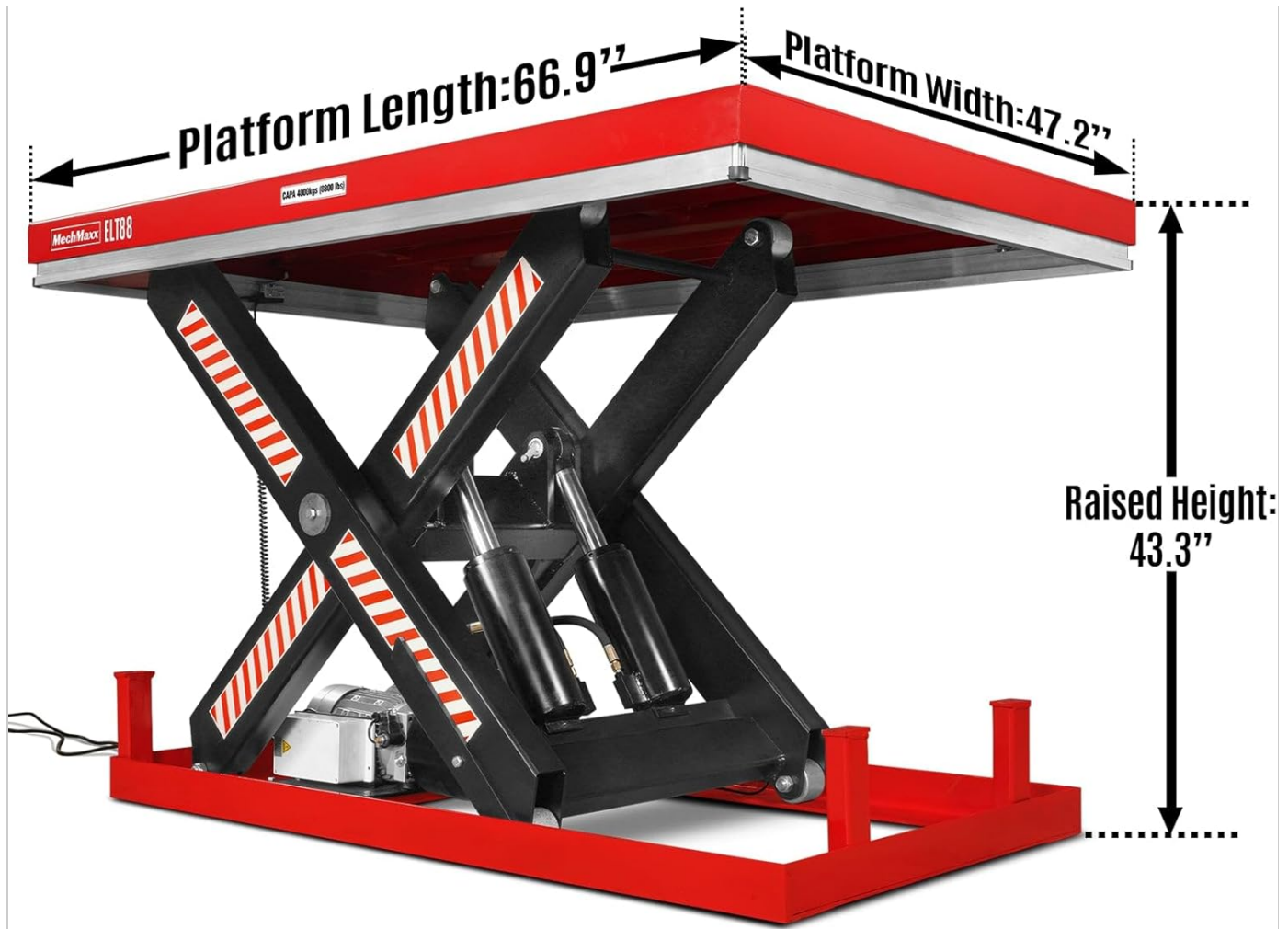


Image 2.1: The MechMaxx ELT88 Hydraulic Lift Table showing platform length (66.9"), platform width (47.2"), and raised height (43.3").



Image 2.2: The MechMaxx ELT88 Hydraulic Lift Table in its lowered position, indicating a lowered height of 9.8".



Image 2.3: Close-up view of the lifting eye bolts on the MechMaxx ELT88 platform, used for safe transportation and positioning.

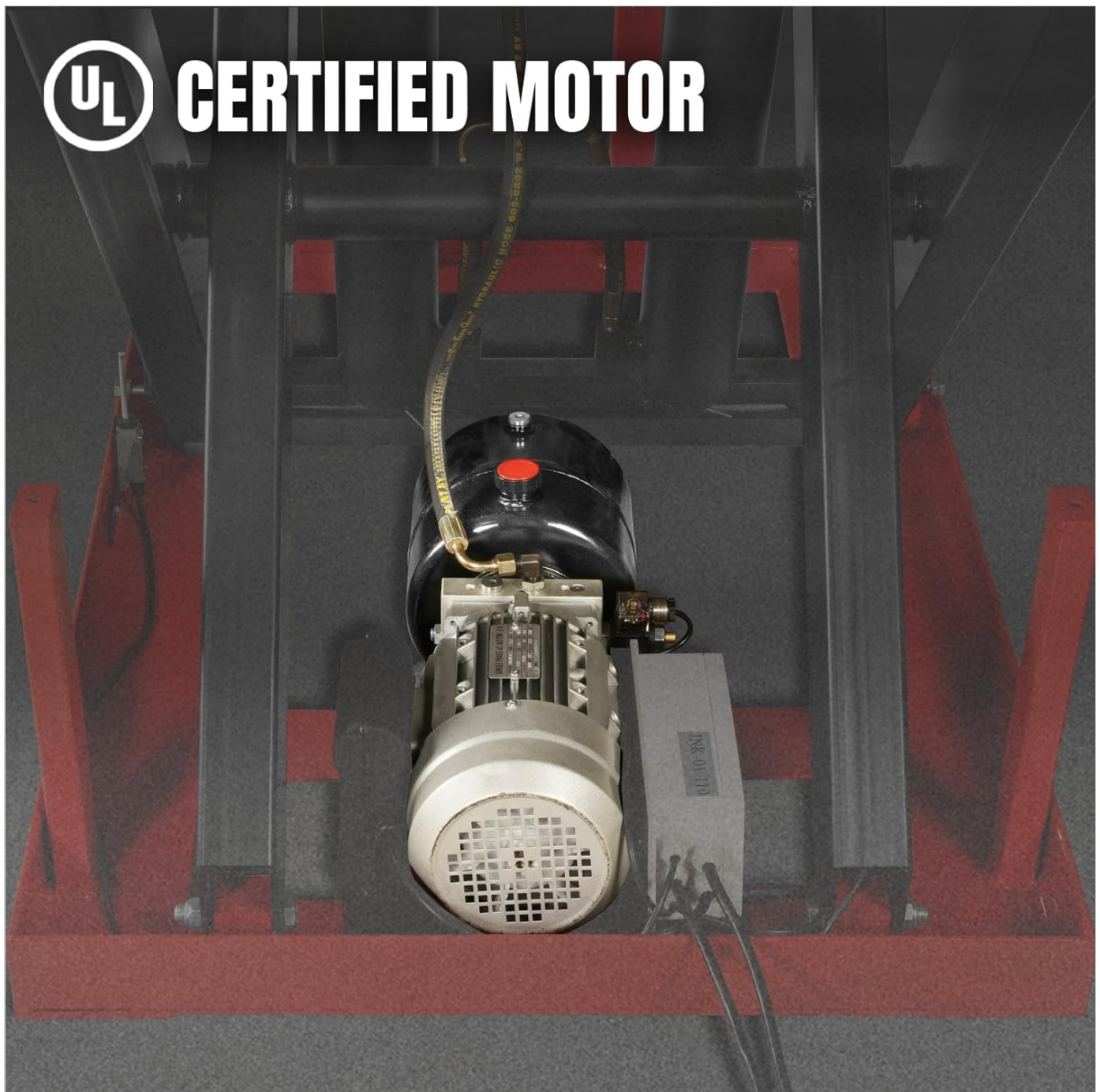


Image 2.4: The UL Certified motor and hydraulic pump assembly located beneath the lift table platform.



Image 2.5: Detail of the safety frame mechanism, which stops the table's descent if an obstruction is encountered.

3. SETUP AND INSTALLATION

Proper setup is crucial for the safe and effective operation of your MechMaxx ELT88 Hydraulic Lift Table.

1. **Unpacking:** Carefully unpack the lift table and inspect for any shipping damage. Report any damage to the carrier

immediately.

2. **Placement:** Position the lift table on a solid, level, and stable floor. Ensure there is sufficient space around the table for operation and maintenance.
3. **Lifting Eye Bolts:** Use the provided lifting eye bolts (refer to Image 2.3) to safely move and position the lift table using appropriate lifting equipment. Securely fasten the eye bolts into the designated holes on the platform.
4. **Electrical Connection:** Connect the lift table to a dedicated 110V power outlet. Ensure the electrical supply meets the requirements of the 3 HP motor.
5. **Initial Inspection:** Before first use, check all hydraulic connections for leaks and ensure all fasteners are tight. Verify that the safety guard mechanism operates freely.

4. OPERATING INSTRUCTIONS

The MechMaxx ELT88 Hydraulic Lift Table is operated via a wired control pendant.

1. **Power On:** Ensure the lift table is properly connected to a power source.
2. **Placing Load:** Carefully place the item to be lifted onto the center of the platform. Ensure the load is stable and does not exceed the 8800 lbs capacity.
3. **Raising the Platform:** Press and hold the "Up" button on the control pendant to raise the platform to the desired height. Release the button to stop the platform.
4. **Lowering the Platform:** Before lowering, ensure the area beneath the platform is completely clear of personnel and obstructions. Press and hold the "Down" button on the control pendant to lower the platform. Release the button to stop the platform. The safety guard will activate if an obstruction is met during descent.
5. **Emergency Stop:** In case of an emergency, press the large red "STOP" button on the control pendant to immediately halt all movement.

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Video 4.1: A demonstration of the MechMaxx ELT88 Stationary Hydraulic Lift Table in operation, showing the raising and lowering functions and the use of the control pendant.

5. MAINTENANCE

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

- **Daily Checks:**

- Inspect for any visible damage, loose fasteners, or hydraulic leaks.
- Ensure the control pendant and emergency stop button are functioning correctly.
- Check that the safety guard mechanism is clear and operates freely.

- **Weekly Checks:**

- Clean the platform and moving parts to prevent accumulation of debris.
- Check hydraulic fluid level and top up if necessary (use recommended hydraulic oil).
- Lubricate all pivot points and moving parts as per manufacturer guidelines.

- **Monthly Checks:**

- Inspect all electrical wiring for wear or damage.
- Check the condition of the hydraulic hoses and fittings.
- Verify the stability of the lift table on its foundation.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your MechMaxx ELT88 Hydraulic Lift Table.

| Problem | Possible Cause | Solution |
|----------------------------|---|---|
| Lift table does not raise. | No power supply. Emergency stop engaged. Low hydraulic fluid. Motor malfunction. | Check power connection and circuit breaker. Release the emergency stop button. Check and refill hydraulic fluid. Contact customer support. |
| Lift table does not lower. | Obstruction under platform (safety guard activated). Control pendant malfunction. | Clear any obstructions from beneath the platform. Contact customer support. |
| Slow or erratic lifting. | Low hydraulic fluid. Air in hydraulic system. Overload. | Check and refill hydraulic fluid. Bleed the hydraulic system (consult a technician). Reduce the load. |
| Hydraulic fluid leak. | Loose fittings or damaged hoses. Damaged seals. | Tighten fittings or replace damaged hoses. Contact customer support for seal replacement. |

7. SPECIFICATIONS

| Feature | Detail |
|--------------------------------|---------------------------|
| Model Number | ELT88 |
| Manufacturer | MechMaxx |
| Weight Capacity | 8800 lbs (4000 kg) |
| Platform Dimensions (L x W) | 66.9 inches x 47.2 inches |
| Raised Height | 43.3 inches |
| Lowered Height | 9.8 inches |
| Motor | 3 HP, 110V, UL Certified |
| Item Weight | 1003 pounds |
| Product Dimensions (L x W x H) | 66.9 x 47.2 x 43.3 inches |
| Color | Red |

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact MechMaxx customer service. Refer to your purchase documentation for specific warranty terms and contact details. You can also visit the official MechMaxx store for more information:[MechMaxx Store](#)

