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› Heli Electric Pallet Jack CBD15J-Li3 User Manual

## HELI CBD15J-Li3

# HELI Electric Pallet Jack CBD15J-Li3 User Manual

Model: CBD15J-Li3

## 1. INTRODUCTION

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This user manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your HELI 48" x 27" Full Electric Pallet Jack, Model CBD15J-Li3. This battery-powered lift truck is designed for effortless transportation of palletized goods in warehouses, distribution centers, and other facilities. Its compact design and maneuverability allow for navigation in tight spaces and narrow aisles. Please read this manual thoroughly before operating the equipment.



Figure 1.1: HELI 48" x 27" Full Electric Pallet Jack (Model CBD15J-Li3)

## 2. SAFETY INFORMATION

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Your safety and the safety of others are paramount. Always adhere to the following safety guidelines:

- **Read the Manual:** Understand all instructions and warnings before operation.
- **Authorized Personnel Only:** Only trained and authorized personnel should operate this equipment.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety shoes and gloves.
- **Load Capacity:** Do not exceed the maximum load capacity of 3300 lbs. Overloading can cause instability and damage.
- **Stable Loads:** Ensure loads are stable and centered on the forks before lifting or moving.
- **Clear Path:** Always ensure the path is clear of obstructions, personnel, and other equipment.
- **Emergency Stop:** Familiarize yourself with the emergency stop button and its location.
- **No Riding:** This pallet jack is designed for walkie operation only. Do not ride on the equipment.
- **Battery Safety:** Handle the battery pack with care. Refer to the battery section for specific safety instructions.
- **Maintenance:** Perform regular maintenance as outlined in this manual. Disconnect power before any service.

## 3. COMPONENTS AND FEATURES

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The HELI Electric Pallet Jack is designed for ease of use and durability. Key components and features include:

### 3.1. Main Components

- **Control Handle:** Ergonomically designed for comfortable and intuitive operation.
- **Forks:** Reinforced steel forks for lifting and transporting pallets.
- **Drive Unit:** Houses the motor and drive wheel for propulsion.
- **Battery Pack:** Removable lithium-ion battery for extended operation.
- **Wheels:** Durable PU wheels for smooth movement.

### 3.2. Control Handle Functions



Figure 3.1: Control Handle with Lift, Lower, and Honk Buttons

- **Lift Up Button:** Activates the hydraulic system to raise the forks.
- **Lift Down Button:** Lowers the forks.
- **Honk Button:** Activates the horn for signaling.
- **Emergency Power-off Switch:** Immediately cuts power to the unit in an emergency.

### 3.3. Battery and Display

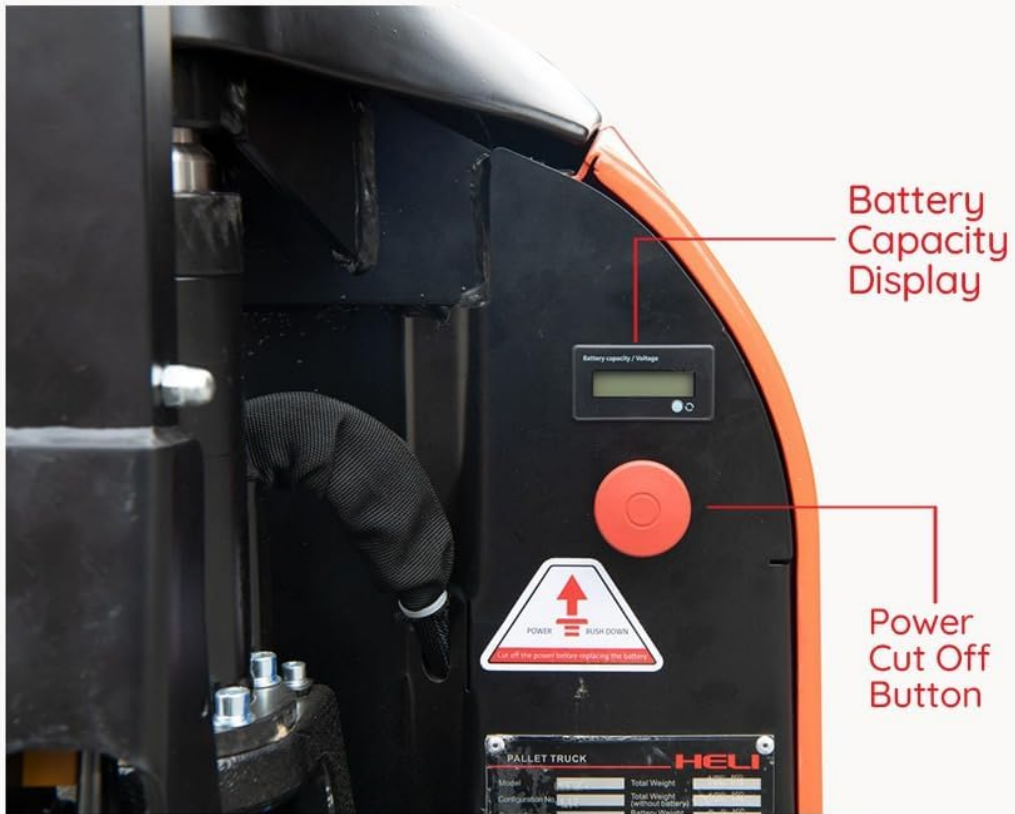


Figure 3.2: Battery Capacity Display and Power Cut Off Button

- **Battery Capacity Display:** Shows the current charge level of the battery.
- **Power Cut Off Button:** A red button for quickly disconnecting power.
- **Removable Battery Pack:** Allows for quick battery changes to minimize downtime.

# REMOVAL BATTERY PACK



Figure 3.3: Removable Battery Pack



Figure 3.4: Battery Compartment Access

## 4. SETUP

Before initial operation, ensure the following setup steps are completed:

1. **Unpacking:** Carefully remove the pallet jack from its packaging. Inspect for any shipping damage.
2. **Battery Installation:** Ensure the lithium-ion battery pack is securely installed in its compartment. Connect the battery cable if it is disconnected.
3. **Initial Charge:** Fully charge the battery before first use. Connect the built-out charger to a suitable power outlet and then to the pallet jack's charging port. The charging indicator will show charging status.
4. **Pre-Operation Check:** Before each use, perform a visual inspection. Check for loose parts, damaged cables, and proper wheel function. Test the lift/lower functions and the emergency stop.

## 5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your HELI Electric Pallet Jack:

1. **Power On:** Insert the key into the ignition and turn it to the 'ON' position. The battery display should

illuminate.

2. **Approach Pallet:** Position the pallet jack squarely in front of the pallet you intend to move.
3. **Insert Forks:** Slowly drive the pallet jack forward, guiding the forks completely under the pallet.
4. **Lift Load:** Press and hold the 'Lift Up' button on the control handle until the pallet is clear of the ground.
5. **Transport Load:** Use the control handle to steer and the throttle to move the pallet jack. Maintain a safe speed and be aware of your surroundings.
6. **Lower Load:** Once at the destination, position the pallet accurately. Press and hold the 'Lift Down' button to gently lower the pallet to the ground.
7. **Remove Forks:** Once the pallet is fully on the ground, slowly reverse the pallet jack to withdraw the forks.
8. **Power Off:** When finished, turn the key to the 'OFF' position and remove it.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pallet jack. The HELI Electric Pallet Jack is designed for easy maintenance, featuring a maintenance-free lithium battery and brushless drive motor.

The advertisement features a red and black HELI DC 15 pallet jack on the left. To its right, several maintenance-free features are listed with corresponding icons: a lithium-ion battery icon for 'Lithium battery, maintenance free', a brushless motor icon for 'Brushless drive motor, maintenance free', a battery icon for '5s Replace Battery', a warning triangle icon for 'Error code display', a headset icon for 'Perfect after-sales and accessory services', and a plug icon for 'Built-out charger is standard'. The top left corner shows the CHICAGO LIFTS logo, and the top right corner shows the HELI LION logo. The background is white with a red border.

**CHICAGO LIFTS** MATERIAL HANDLING EXPERTS

**HELI LION**

# EASY MAINTENANCE

**Lithium-ion** *Lithium battery, maintenance free*

**Brushless drive motor, maintenance free**

**5s Replace Battery**

**Error code display**

**Perfect after-sales and accessory services**

**Built-out charger is standard**

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Figure 6.1: Easy Maintenance Features

## 6.1. Daily Checks

- Inspect for any visible damage, loose connections, or leaks.
- Check the condition of the wheels and forks.
- Verify proper function of all controls, including lift, lower, and horn.
- Test the emergency stop button.
- Check battery charge level and charge if necessary.

## 6.2. Weekly/Monthly Checks

- Clean the exterior of the pallet jack.
- Inspect hydraulic fluid levels (if applicable, refer to specific service manual for details).
- Check for excessive wear on moving parts.
- Ensure all fasteners are tight.

## 6.3. Battery Care

- Charge the battery regularly, ideally after each shift or when the charge level is low.
- Avoid fully discharging the battery to prolong its lifespan.
- If using multiple batteries, ensure proper rotation and charging.
- The battery pack is designed for quick replacement (5s Replace Battery).

## 7. TROUBLESHOOTING

This section provides solutions for common issues you might encounter. For problems not listed here or if solutions do not resolve the issue, contact authorized service personnel.

Problem	Possible Cause	Solution
Pallet jack does not power on.	Battery discharged; Emergency stop engaged; Key not in 'ON' position.	Charge battery; Release emergency stop; Turn key to 'ON'.
Forks do not lift.	Overload; Low battery; Hydraulic issue.	Reduce load; Charge battery; Contact service.
Pallet jack moves slowly or not at all.	Low battery; Obstruction; Motor issue.	Charge battery; Clear obstruction; Contact service.
Error code displayed.	System fault.	Note the error code and consult the detailed service manual or contact support.

## 8. SPECIFICATIONS

Detailed technical specifications for the HELI Electric Pallet Jack Model CBD15J-Li3:

# SPECIFICATIONS

Load Capacity: 3300 – 4400 lbs

Load Center: 24 inches

Operating Type: Walkie

Wheels Type: PU wheels

Max. Lifting Height: 7.9 Inches

Fork Length: 45 inches

Min. turning radius: 53 inches

Travel Speed with/without load: 2.6/2.8 mph



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Figure 8.1: Key Specifications

Specification	Value
Brand	HELI
Model Number	CBD15J-Li3
Load Capacity	3300 - 4400 lbs
Load Center	24 inches
Operating Type	Walkie
Wheels Type	PU wheels
Max. Lifting Height	7.9 inches
Fork Length	45 inches
Min. Turning Radius	53 inches
Travel Speed (with/without load)	2.6 / 2.8 mph
Item Weight	305 pounds
Product Dimensions (L x W x H)	48 x 27 x 45 inches
Color	Black

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or service inquiries, please contact your authorized HELI dealer or the manufacturer's customer support. Keep your purchase receipt and model number (CBD15J-Li3) readily available for faster service.

**Customer Support:** Refer to the contact information provided at the point of purchase or on the official HELI website.