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› Xilin Electric Pallet Truck CBD20W-II LI User Manual

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Xilin Electric Pallet Truck CBD20W-II LI User Manual

Model: CBD20W-II LI | Capacity: 4400 LBS

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Xilin Electric Pallet Truck, model CBD20W-II LI. This powered jack is designed for material handling with a load capacity of 4400 lbs and features 48" x 27" forks.



Figure 1: Xilin Electric Pallet Truck (Model CBD20W-II LI)

The Xilin Electric Pallet Truck is a robust material handling solution, featuring a compact design for maneuverability in tight spaces. It is equipped with a multi-function handle and a portable lithium battery for enhanced productivity.

Key Features:

- Load Capacity: 4400 lbs
- Fork Size: 48" x 27"
- Fork Lowered Height: 3", Lifting Height: 7.3"
- Multi-Function Handle with integrated controls
- Portable 48V/20AH Lithium Battery with quick-change capability
- Emergency Reverse Button and Lifting Overload Protection
- Balance wheels for improved stability

2. SAFETY INFORMATION

Operating this electric pallet truck requires adherence to strict safety protocols to prevent injury and equipment damage. Always read and understand all instructions before operation.

General Safety Guidelines:

- Only trained and authorized personnel should operate the pallet truck.
- Wear appropriate personal protective equipment (PPE), including safety shoes and high-visibility clothing.
- Inspect the pallet truck before each use for any damage or malfunctions.
- Ensure the load does not exceed the rated capacity of 4400 lbs.
- Maintain a clear view of the path of travel and surroundings.
- Avoid sudden starts, stops, or turns, especially with a loaded pallet.

Emergency Features:

- **Emergency Stop Button:** Located on the handle, this red button immediately cuts power to the motor, stopping all movement. Press it in case of an emergency.
- **Emergency Reverse Button:** This feature prevents the operator from being pinned between the truck and an obstacle. When activated, the truck will move away from the operator.
- **Lifting Overload Protection:** The truck is equipped with a system to prevent lifting loads beyond its rated capacity.
- **Electrical Limit Switch:** An electrical limit switch is present at the maximum lifting height to prevent over-extension.
- **Drive Wheel Guards:** Designed to prevent foot injuries during operation.

3. SETUP

Assembly:

The Xilin Electric Pallet Truck requires partial assembly. The handle needs to be installed upon delivery. Refer to the separate assembly guide for detailed instructions on attaching the handle securely.

Battery Installation and Charging:

The pallet truck is powered by a 48V/20AH Lithium-ion battery. Ensure the battery is fully charged before initial use.

- To install or replace the battery, locate the battery compartment.
- Open the compartment cover.
- Carefully insert the battery, ensuring proper connection.
- Close and secure the compartment cover.
- Use the provided 48V/10A built-out charger for recharging.



The pallet jack with a 55.7" turning radius, is designed for efficient operation in tight spaces

Figure 2: Battery Compartment Access

The portable lithium battery can be replaced within 10 seconds, allowing for continuous operation with a spare battery.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the multi-function handle and controls before operating the pallet truck.

Multi-Function Handle:

The ergonomically designed handle integrates all necessary controls for lifting, lowering, and movement.

- **Power On/Off:** Use the one-touch on/off control with push-pull design.
- **Battery Indicator:** A real-time battery level indicator is integrated into the handle for easy monitoring.
- **Accelerator Knob:** Provides easy forward and reverse control. Rotate the knob to control speed and direction.
- **Lift/Lower Control:** One-finger control for lifting and lowering forks with speed regulation.

Handle Working Angle



Figure 3: Handle Working Angle

The handle offers a wide working angle for comfortable and precise control during operation.

Maneuvering in Tight Spaces (Turtle Mode):

For enhanced maneuverability in confined areas, such as inside trailers or narrow aisles, utilize the Turtle Mode.

1. Press the Turtle Button on the handle.
2. Rotate the Accelerator Knob to move the truck at a reduced speed.

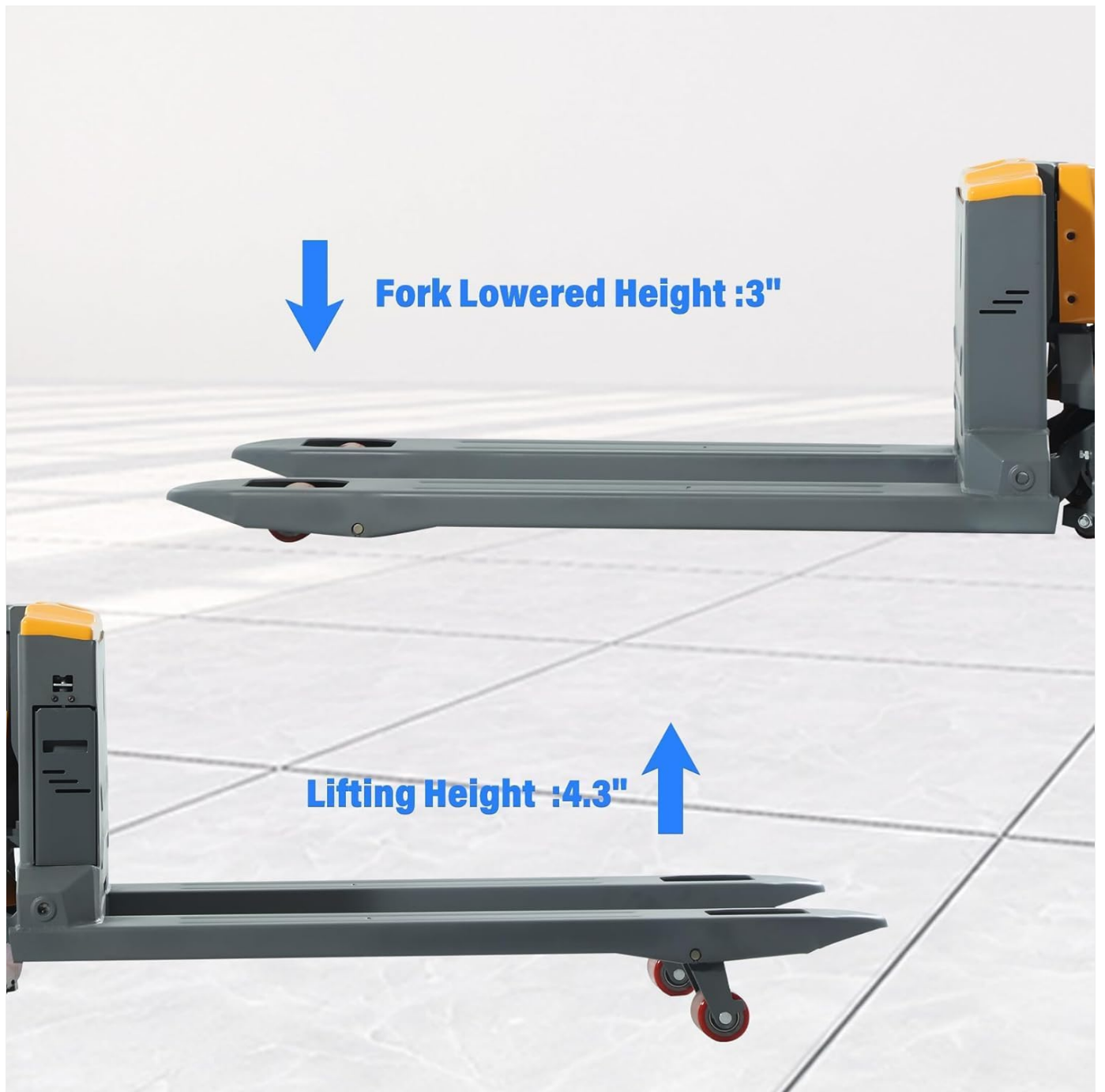


Figure 4: Fork Lowered and Lifting Height

The pallet jack offers a fork lowered height of 3 inches and a lifting height of 7.3 inches for efficient pallet handling.



The pallet jack with a 55.7" turning radius, is designed for efficient operation in tight spaces

Figure 5: Maneuverability in Tight Spaces

With a turning radius of 55.7 inches, this pallet jack is designed for efficient operation in tight environments.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Xilin Electric Pallet Truck.

Battery Care:

- Always use the specified charger (48V/10A) for the Lithium-ion battery.
- Avoid fully discharging the battery. Recharge when the battery indicator shows low charge.
- Store the battery in a cool, dry place if not in use for extended periods.
- Inspect battery terminals for corrosion and clean if necessary.

General Inspection:

- Check all wheels (drive wheel, balance wheels, fork wheels) for wear and damage. The wear-resistant PU fork

wheels are designed for noise reduction and shock absorption.

- Inspect the forks for any bends, cracks, or damage. The one-piece stamped forks are designed for durability.
- Verify that all controls on the multi-function handle are operating correctly.
- Ensure all safety features, including the emergency stop and emergency reverse buttons, are functional.
- Check hydraulic fluid levels periodically (refer to a more detailed service manual if available).

6. TROUBLESHOOTING

This section addresses common issues you might encounter during the operation of your electric pallet truck.

Common Issues and Solutions:

- **Truck does not power on:**
 - Check if the emergency stop button is engaged. Release it if necessary.
 - Verify the battery is properly installed and charged.
 - Ensure all electrical connections are secure.
- **Forks do not lift:**
 - Check if the load exceeds the 4400 lbs capacity (overload protection may be active).
 - Ensure the battery has sufficient charge.
 - Inspect the lift mechanism for obstructions or damage.
- **Truck moves slowly or erratically:**
 - Battery may be low on charge.
 - Ensure Turtle Mode is not accidentally engaged if full speed is desired.
 - Check for obstructions around the drive wheel or fork wheels.

If issues persist after attempting these solutions, contact customer support.

7. SPECIFICATIONS

Detailed technical specifications for the Xilin Electric Pallet Truck CBD20W-II LI.



Figure 6: Overall Dimensions

Key dimensions include an overall height of 48.1 inches, fork length of 48 inches, and an overall length of 65.0 inches.

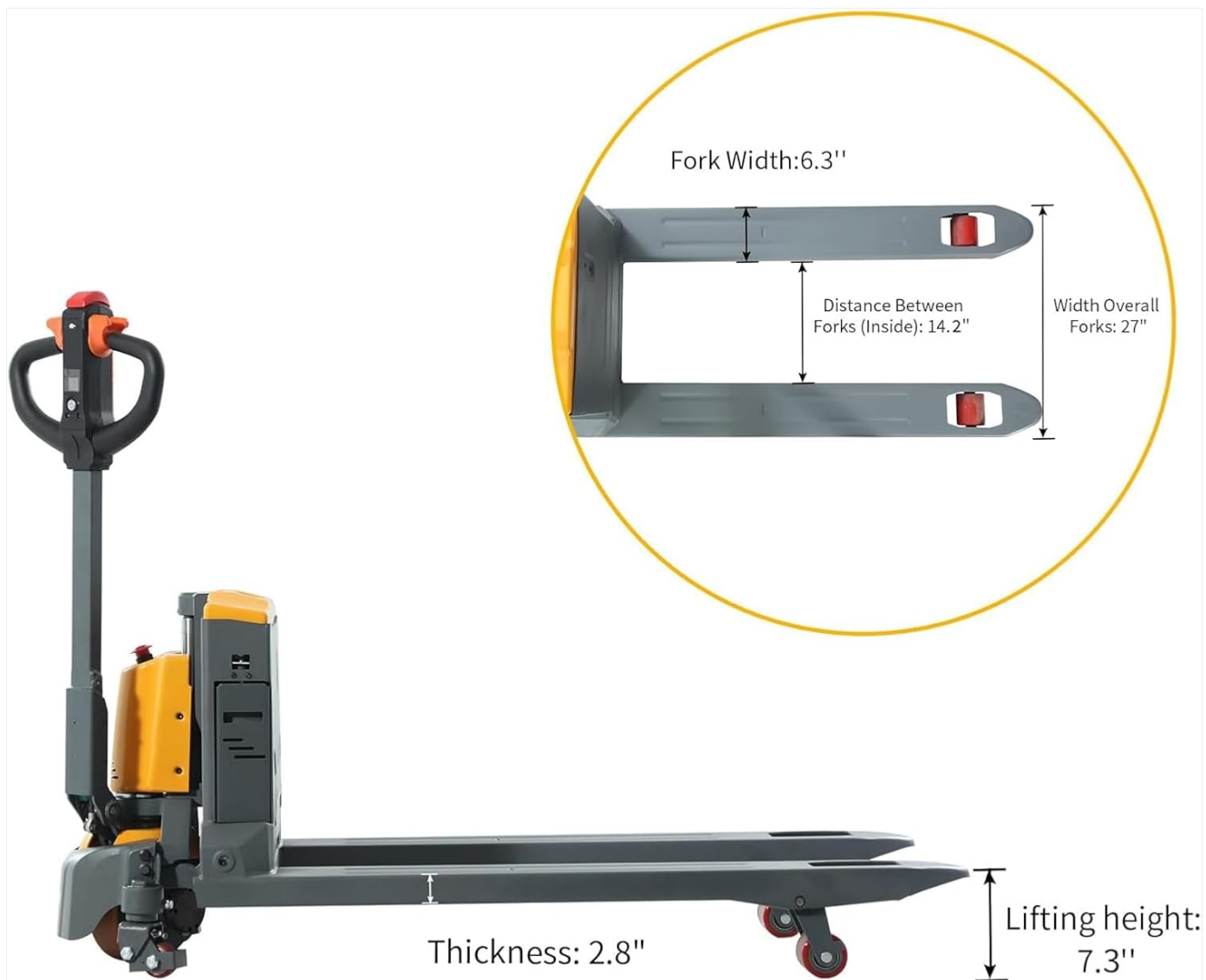


Figure 7: Fork Dimensions

Fork width is 6.3 inches, with an overall width between forks of 27 inches and an inside distance of 14.2 inches. Fork thickness is 2.8 inches.

Specification	Value
Brand	Xilin
Model Number	CBD20W-II LI
Load Capacity	4400 Pounds
Product Dimensions (L x W x H)	65"L x 27"W x 48.1"H
Fork Length	48"
Fork Width (Overall)	27"
Single Fork Width	6.3"
Fork Lowered Height	3"
Lifting Height	7.3"
Item Weight	310 pounds

Specification	Value
Number of Wheels	5
Battery	48V/20AH Lithium-ion
Charger	48V/10A (built-out)
Turning Radius	55.7"
Recommended Aisle Width	87"

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact the seller directly. Xilin is committed to providing reliable products and customer satisfaction.

Customer Support:

If you have any questions, require technical assistance, or need to report an issue, please contact XILINAmerica customer support. Contact details can typically be found on your purchase invoice or the official Xilin website.

You may also visit the [Xilin Store on Amazon](#) for additional product information and support resources.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I reset the Xilin CBD20W-II LI electric pallet truck when it displays an hourglass signal and fails to function?

The manual for the Xilin CBD20W-II LI does not specify a dedicated software "reset" button, but the following steps can help clear the system and resolve an unresponsive state (hourglass signal): Cycle the Emergency Stop:...

[Read full answer](#)