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> [APOLLO Counterbalanced Electric Stacker Forklift CPD15W-177 User Manual](#)

APOLLO CPD15W-177

APOLLO Counterbalanced Electric Stacker Forklift

Model: CPD15W-177

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your APOLLO Counterbalanced Electric Stacker Forklift, Model CPD15W-177. Please read this manual thoroughly before operating the equipment to ensure proper usage and to prevent injury or damage.

FULL-Electric Stacker **A-3032**

YOUR POWERFUL HELPER FOR MATERIAL HANDLING

8H Charging Time

8H Working Time

▶ Max. Load Capacity: **3300 LBS**

▶ Max. Lifting Height: **177 inch**

▶ Min. Mast Height: **82 inch**



Figure 1: APOLLO Counterbalanced Electric Stacker Forklift.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating the electric stacker. Failure to follow these instructions can result in serious injury or death.

- **Operator Training:** Only trained and authorized personnel should operate this equipment.
- **Pre-Operation Check:** Before each use, inspect the stacker for any damage, loose parts, or malfunctions. Ensure all controls are functioning correctly.
- **Load Capacity:** Never exceed the rated load capacity of 3300 lbs. Refer to the load capacity charts for safe lifting limits at various heights and load centers.
- **Stable Loads:** Ensure loads are stable and properly centered on the forks before lifting or moving.
- **Clearance:** Maintain adequate clearance from walls, obstacles, and personnel during operation.
- **Emergency Stop:** Familiarize yourself with the emergency stop button and its location.
- **Battery Safety:** Follow all battery charging and maintenance procedures outlined in this manual. Wear appropriate personal protective equipment (PPE) when handling batteries.
- **Work Area:** Operate the stacker on level, firm surfaces. Avoid uneven terrain or slopes.



Figure 2: Warning labels on the mast, indicating safety precautions for operation.

3. SETUP AND ASSEMBLY

The APOLLO Counterbalanced Electric Stacker is typically delivered largely pre-assembled. However, some initial setup and checks are required before first use.

3.1 Initial Inspection

Upon receipt, carefully inspect the packaging and the stacker for any signs of shipping damage. Report any damage immediately to the carrier and supplier.

3.2 Battery Connection and Initial Charge

Ensure the battery is properly connected and fully charged before the first operation. Refer to the charging section for detailed instructions.



Figure 3: The battery compartment, showing the lead-acid batteries. Ensure connections are secure.

3.3 Fork Adjustment

The forks are adjustable to accommodate various pallet sizes. Adjust the fork width by loosening the locking pins, sliding the forks to the desired position, and re-securing the pins.



Figure 4: Fork dimensions and adjustability. Forks are 42 inches long, 1.4 inches thick, and adjustable from 8.7 to 26.8 inches in width.

4. OPERATING INSTRUCTIONS

4.1 Controls Overview

The stacker features a long handle structure for flexible steering and a control panel for key functions.

- **Key Switch:** Turns the stacker on/off.
- **Emergency Stop Button:** Immediately cuts power to all functions.
- **Lift/Lower Controls:** Levers or buttons on the handle to raise and lower the forks.
- **Directional Controls:** Twist grip or buttons on the handle for forward and reverse movement.
- **Battery Indicator:** Displays current battery charge level.



Figure 5: The control panel, featuring the key switch, emergency stop button, and battery charge indicator.

4.2 Starting the Stacker

1. Insert the key into the key switch and turn it to the 'ON' position.
2. Check the battery indicator to ensure sufficient charge.
3. Ensure the emergency stop button is disengaged (pulled out).

4.3 Lifting and Lowering Loads

1. Position the stacker squarely in front of the load.
2. Carefully insert the forks completely under the pallet or load.
3. Use the lift control to raise the load slightly off the ground.
4. Before moving, ensure the load is stable and within the stacker's capacity.
5. To lower, use the lower control. Lower loads slowly and smoothly.

4.4 Moving the Stacker

1. With the load slightly raised, use the directional controls on the handle to move forward or backward.
2. Steer using the long handle. The vertical driving wheel provides efficient and flexible movement.
3. Always travel with the load in the lowest possible position for stability, especially when turning.

4.5 Load Capacity Charts

Adhere strictly to the load capacity guidelines to prevent tipping or damage.



Figure 6: Load Capacity Chart. For example, load capacity is 1980 lbs when lifting height is between 157-177 inches, and 3300 lbs when lifting height is within 118 inches.

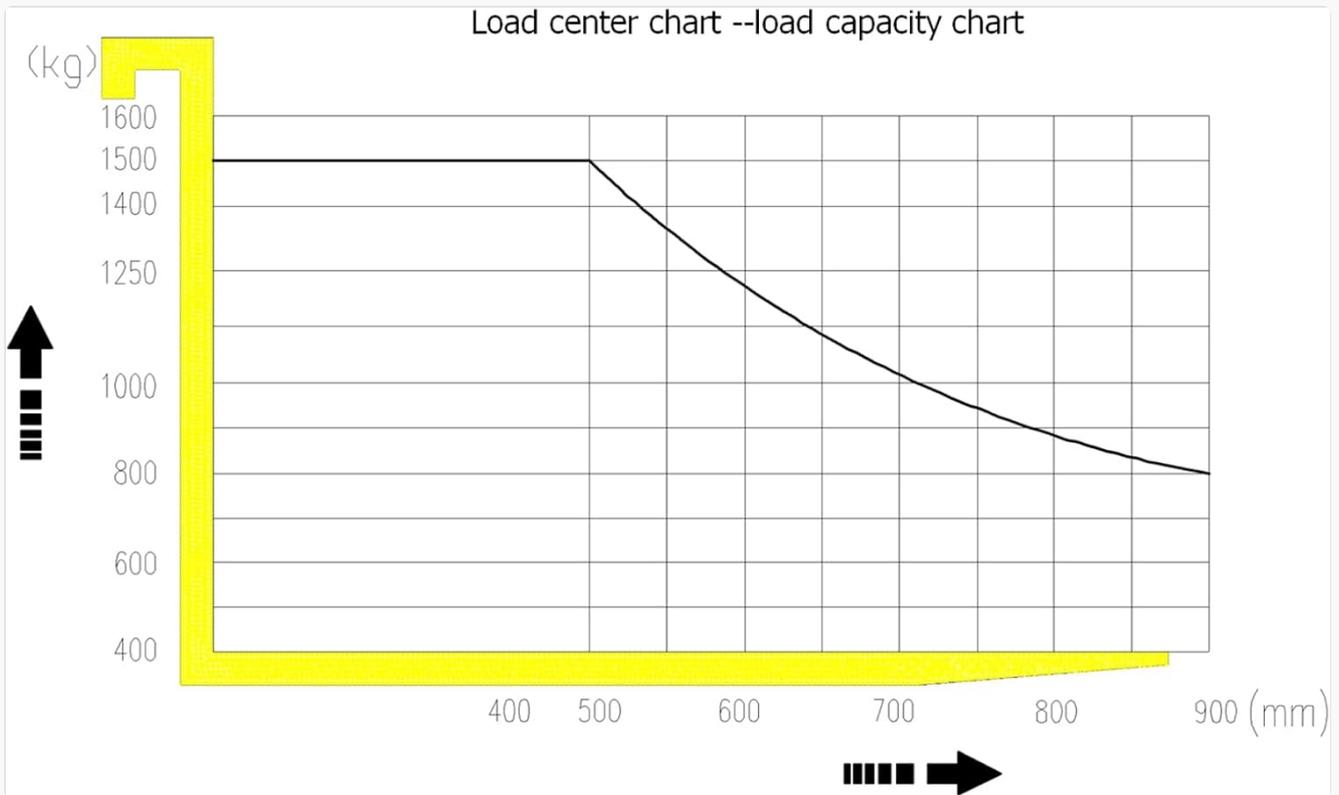


Figure 7: Load center chart, illustrating how load capacity decreases as the load center distance increases.

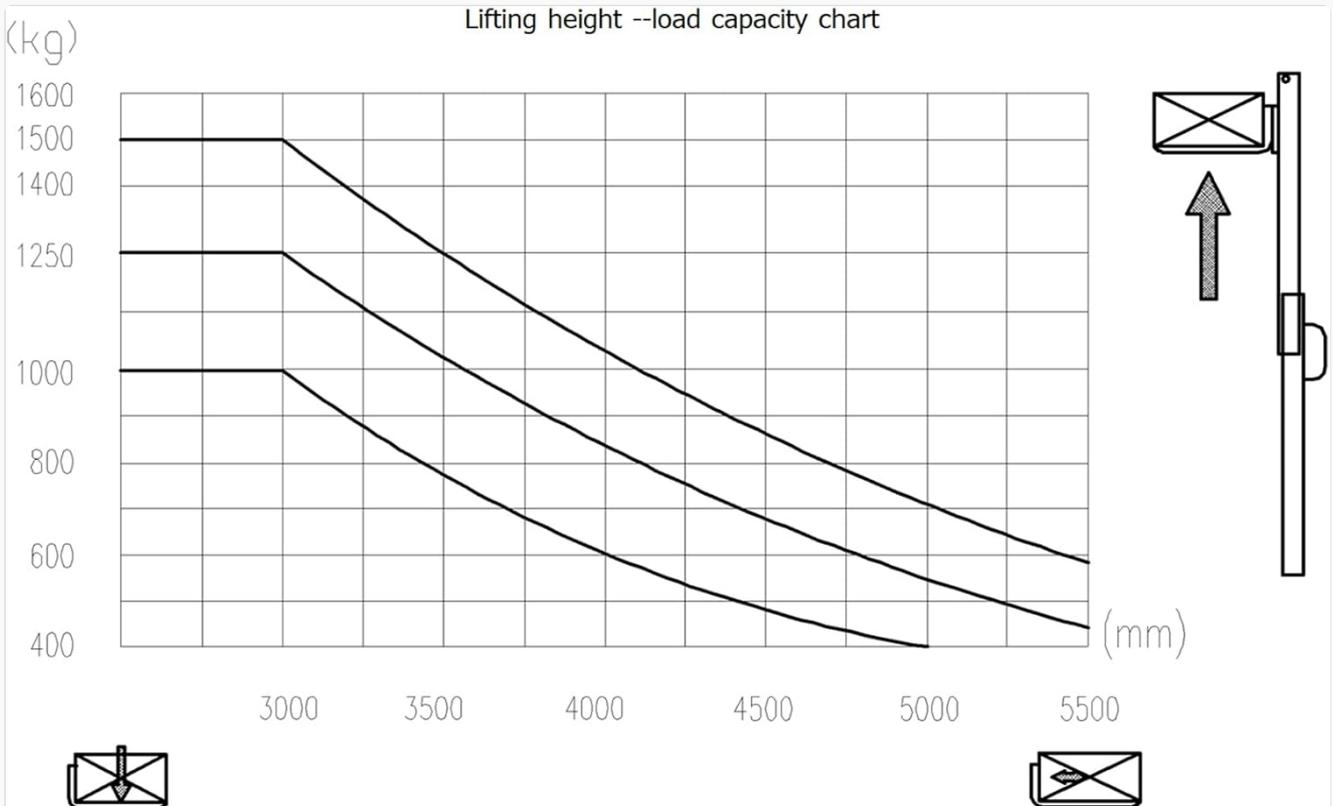


Figure 8: Lifting height versus load capacity chart, showing maximum weight at different lift heights.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your electric stacker.

5.1 Daily Checks

- Check battery charge level.
- Inspect forks for damage or wear.
- Verify brake functionality.
- Check for hydraulic fluid leaks.
- Ensure all warning labels are legible.

5.2 Battery Charging

Charge the lead-acid battery using the designated charger. Connect the charger to the charging port on the stacker. Ensure proper ventilation during charging.



Figure 9: The charger port, clearly marked for battery charging.

5.3 Hydraulic System

Periodically check the hydraulic fluid level and replenish if necessary. Use only recommended hydraulic fluid. Inspect hydraulic hoses and fittings for wear or damage.

5.4 Wheel and Caster Inspection

Inspect wheels and casters for wear, damage, or debris. Replace worn wheels to maintain smooth operation and stability.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your electric stacker.

Problem	Possible Cause	Solution
Stacker does not power on	Emergency stop engaged; Battery discharged; Key switch off; Loose battery connection	Disengage emergency stop; Charge battery; Turn key switch on; Check battery terminals
Forks do not lift	Overload; Low hydraulic fluid; Hydraulic system fault; Lift motor issue	Reduce load; Check/refill hydraulic fluid; Contact service technician
Stacker moves slowly or not at all	Low battery charge; Drive motor fault; Obstruction in wheels	Charge battery; Inspect drive wheel; Clear obstructions
Unusual noises during operation	Loose components; Worn bearings; Motor issue	Inspect for loose parts; Contact service technician

7. SPECIFICATIONS

Detailed technical specifications for the APOLLO Counterbalanced Electric Stacker Forklift, Model CPD15W-177.

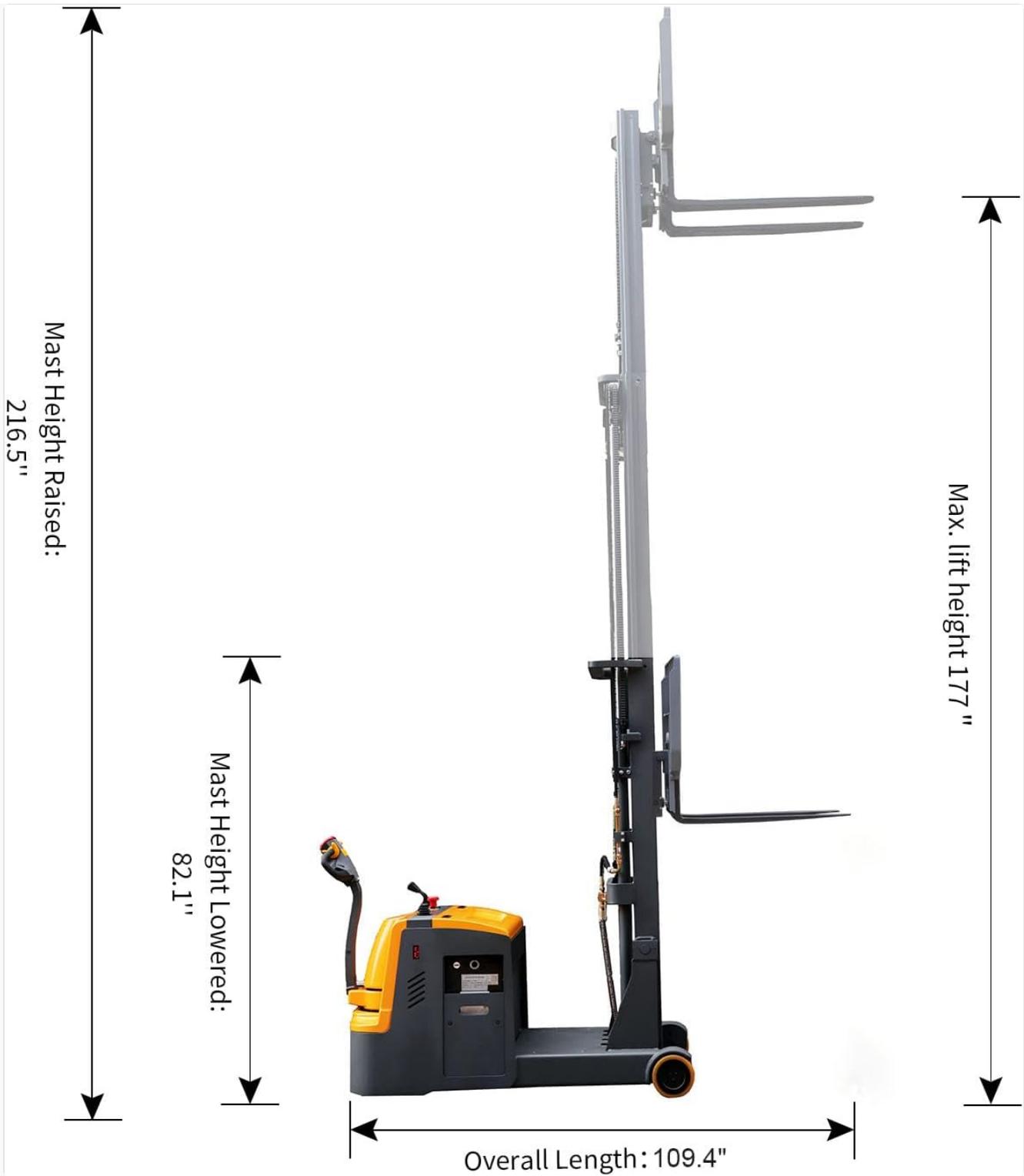


Figure 10: Key dimensions of the stacker, including mast height lowered (82.1 inches), mast height raised (216.5 inches), overall length (109.4 inches), and maximum lift height (177 inches).

Feature	Specification
Model Number	CPD15W-177
Load Capacity	3300 lbs
Max. Lifting Height	177 inches
Height, Mast Lowered	82 inches
Height, Mast Extended	216.5 inches

Feature	Specification
Fork Dimensions (L x W x T)	42 x 3.9 x 1.3 inches
Adjustable Fork Width	8.7 - 26.8 inches
Lifting Speed (Laden/Unladen)	0-4.7 / 0-6.3 inch/s
Travel Speed (Laden/Unladen)	63.4 / 65.6 inch/s
Gradeability (Laden/Unladen)	6% / 10%
Turning Radius	61.8 inches
Battery Type	Lead Acid
Rated Voltage / Capacity	24V / 280Ah
Service Weight	4585 lbs
Material	Alloy Steel

Note: Specifications are subject to change without notice for product improvement.

8. WARRANTY AND SUPPORT

APOLLO products are engineered for durability and performance. For warranty information, service requests, or technical support, please refer to the contact details provided at the time of purchase or visit the official APOLLO website.

Customer Support: For assistance, please contact APOLLOLIFT customer support. Details can be found on your purchase documentation or the APOLLO brand store.

Returns: This product is eligible for 30-day easy returns. Please refer to the seller's return policy for specific conditions.