

ELECTRIC FORKLIFT MANUAL

Electric forklift

Product Specifications, Working Envelope & Selection

PRODUCT CODE

CPD25YQX002

Rated load
1.5ton

Lift height
3m

Battery
**5pcs of maintenance-free
60V 70ah Lead-acid
batteries**

Overall dimensions
2300*1200*2150mm



VY-CPD-15

This 1.5-ton electric forklift combines clean electric drive, stable mast lifting, secure tire grip, and protective work features for efficient pallet storage and retrieval.

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DOCUMENT MAP

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Selection review path

01	Read capacity and the stated lift configuration	02	Match battery, charger and drive configuration
03	Check mast, forks, truck envelope and access	04	Separate base equipment from attachment options
05	Review the complete fitted load interface	06	Keep optional upgrades separate from base values
07	Keep the exact product configuration together		

Data first

Technical fields start on page 3.

Configuration

Options are not included unless agreed.

Capacity

Do not infer a load chart from an image.

TECHNICAL DATA

Technical Specifications

Identity, Equipment & Configuration

Product model	VY-CPD-15
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Capacity, Mast & Load Interface

Rated load capacity	1.5ton
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Lifting height	3m
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Fork length	1220mm
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Mast material	C-shaped steel
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Mast tilt angle (forward/backward)	6°-12°
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Battery, Drive & Electrical Configuration

Battery configuration	5pcs of maintenance-free 60V 70ah Lead-acid batteries
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Drive-motor power	3KW
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Lift-motor power	3KW
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Truck Envelope & Running Gear

Net weight	2.3T
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Overall dimensions (L x W x H)	2300*1200*2150mm
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Gradeability (unloaded/fully loaded)	15/13
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Tyres	Front 650-10, Rear 500-8
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Minimum ground clearance	9.5cm
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Braking method	Oil brake
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Technical reading

Read rated load with the stated mast and load interface. Battery and motor values identify the electrical configuration; voltage alone is not battery capacity. Keep all stated conditions and units.

System & Configuration

Overhead Guard Frame

The rigid upper frame protects the operator area while supporting lights and mirrors around the workstation.

Mast and Lift Assembly

The complete mast assembly guides vertical lifting and keeps the load path aligned at the front of the truck.

Fork Carriage Assembly

The carriage and paired forks form one load-handling unit for engaging pallets and supporting materials.

Operator Control Station

The seat, steering column, pedals and control levers are grouped for direct access during travel and lifting.

Body Shell and Counterweight

The shaped outer body protects the rear structure and provides the counterbalanced form visible on the forklift.

Main Chassis Assembly

The central frame supports the body, operator station and lifting structure in their verified installed positions.

Wheel and Axle Assembly

The connected running gear supports the forklift on four tires and transfers steering and travel forces to the ground.

Review item	Listed configuration	Selection relationship
Base truck	VY-CPD-15	Match the exact model and ordered configuration.
Load interface	1220mm	Separate the base load interface from attachment options.
Electrical system	5pcs of maintenance-free 60V 70ah Lead-acid batteries	Match the battery and compatible charger as one system.
Equipment / accessories	Only expressly listed or agreed items	Visible scene objects do not establish included equipment.

Configuration boundary

A visible attachment or accessory is not automatically included. Record the exact mast, battery, charger, tyres and load interface in the agreed configuration; the technical section remains the basis for stated values.

APPLICATION & FIT

Capacity, Power & Site Selection

01

Load & load centre

Define load mass, shape and centre of gravity. Keep rated capacity separate from fitted-attachment capacity; do not extend the rating to an unlisted load centre.

02

Mast & fork fit

Match the listed lift height, fork length, mast form and tilt to the load and rack geometry. Consider the mast envelope as well as the overhead guard.

03

Battery & charger

Match battery chemistry, voltage, capacity and charger to the ordered configuration and available charging supply. Do not infer run time from voltage alone.

04

Access & turning

Check truck length, width, height, fork projection and turning path together. A turning radius is not the same as a right-angle stacking aisle width.

05

Ground & running gear

Compare stated tyre, ground-clearance, braking and gradeability fields with the intended floor and route. Keep unloaded and loaded conditions separate.

06

Attachment interface

Confirm carriage mounting, hydraulic functions, attachment mass and load geometry for the chosen tool. The final capacity belongs to the complete fitted truck.

Decision item	Product basis	Selection check
Capacity / mast	1.5ton / 3m	Preserve the listed capacity and mast conditions.
Power configuration	5pcs of maintenance-free 60V 70ah Lead-acid batteries	Keep optional upgrades separate from the base configuration.
Site envelope	2300*1200*2150mm	Review all listed envelope fields in the technical section.
Final selection	Truck, mast, battery, charger, tyres and load interface	Record the agreed configuration once, without combining variants.

PRODUCT VIEWS

Product Form 1/5



View summary

Multi-angle views of VY-CPD-15: truck body, mast, load interface and running gear.

PRODUCT VIEWS

Product Form 2/5



View summary

Multi-angle views of VY-CPD-15: truck body, mast, load interface and running gear.

PRODUCT VIEWS

Application Overview 3/5

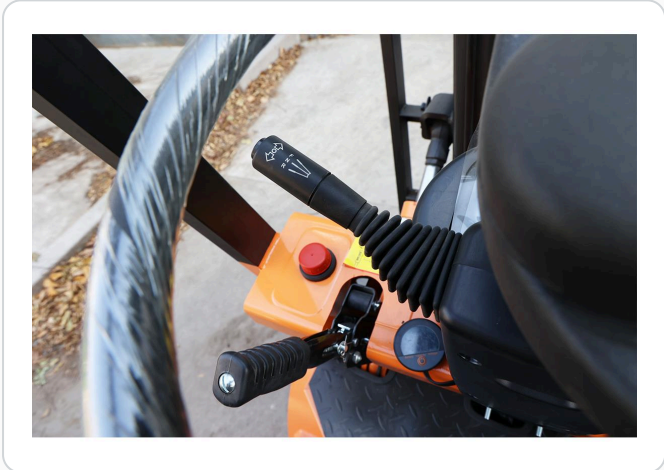
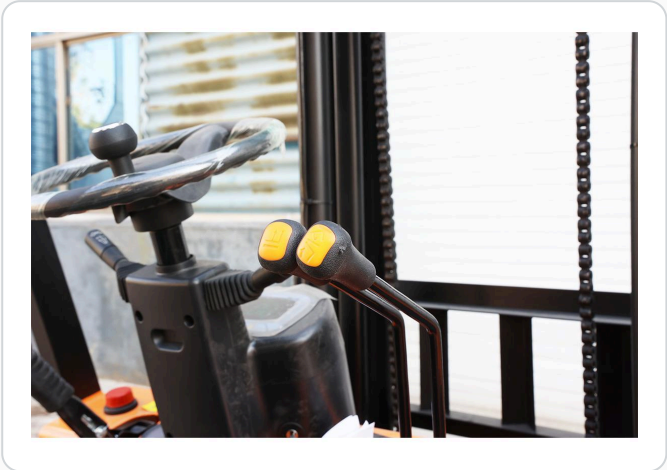


View summary

VY-CPD-15 in material-handling settings, showing the truck and load interface in context.

PRODUCT VIEWS

Component Overview 4/5

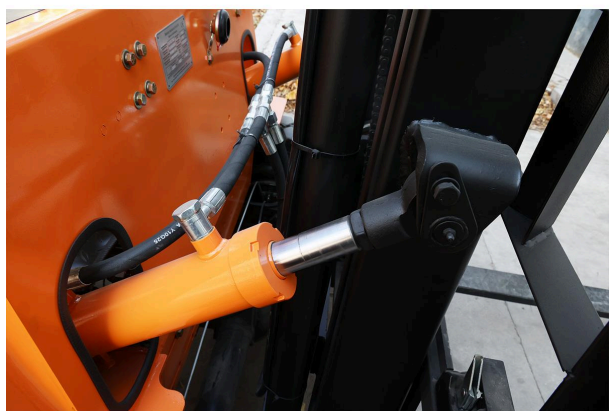
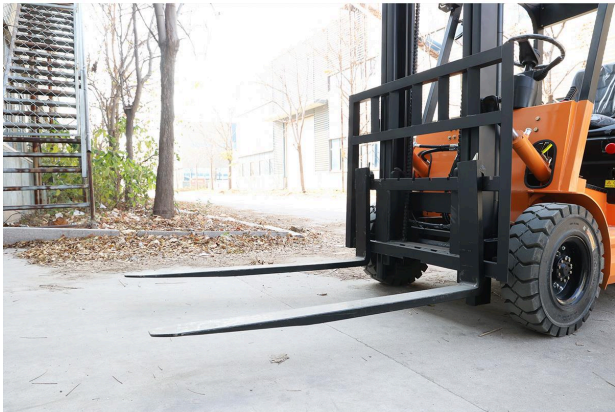


View summary

Visible mast, running gear, electrical and operator-area components of VY-CPD-15.

PRODUCT VIEWS

Component Overview 5/5



View summary

Visible mast, running gear, electrical and operator-area components of VY-CPD-15.

LOAD INTERFACE

Attachment Options 1/1

**Rotator**

The hydraulic rotator turns suitable loads for controlled tipping, emptying or repositioning when correctly fitted.

**Side Shifter**

Hydraulic side shifting moves the fork carriage laterally for precise load alignment without repositioning the forklift.

**Bale Clamp**

Hydraulic clamp arms securely hold suitable compressed bales for controlled lifting, material movement and stacking work.

**Carpet Pole**

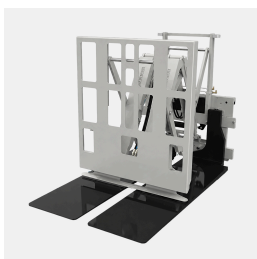
The smooth tapered pole supports suitable carpet, textile and material rolls for controlled lifting and placement.

**Fork Positioner**

Hydraulic fork adjustment changes the spacing between the forks to suit different pallet and load widths from the operator station.

**Multiple Load Handler**

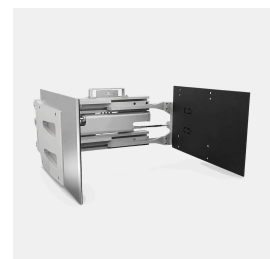
Multiple fork pairs support efficient handling of two or more suitable palletized loads during repetitive warehouse operations.

**Push & Pull**

The hydraulic push-pull attachment handles suitable slip-sheet loads by gripping the sheet and drawing the goods onto its platen.

**Roll Clamp**

Curved hydraulic clamp arms grip suitable cylindrical rolls for controlled lifting, rotation, material movement and placement.

**Carton Clamp**

Wide padded clamp arms hold suitable cartons and boxed goods without pallets during careful handling and stacking.

Option boundary

These attachment forms are presented as options, not a statement of included equipment. Mounting, hydraulic functions and the capacity of the complete fitted truck require a matching written configuration.

STRUCTURE IDENTITY

Exploded Structure



Assembly relationships
Separated major component groups support structure and configuration identification.

Overhead Guard Frame
The rigid upper frame protects the operator area while supporting lights and mirrors around the workstation.

Mast and Lift Assembly
The complete mast assembly guides vertical lifting and keeps the load path aligned at the front of the truck.

Fork Carriage Assembly
The carriage and paired forks form one load-handling unit for engaging pallets and supporting materials.

Operator Control Station
The seat, steering column, pedals and control levers are grouped for direct access during travel and lifting.

Body Shell and Counterweight
The shaped outer body protects the rear structure and provides the counterbalanced form visible on the forklift.

Main Chassis Assembly
The central frame supports the body, operator station and lifting structure in their verified installed positions.

Wheel and Axle Assembly
The connected running gear supports the forklift on four tires and transfers steering and travel forces to the ground.

Diagram boundary
The separated arrangement identifies major assemblies and their relationships. It does not define a fastener chart or a workshop procedure.