X Series Electric Forklift Truck

with capacities of 1,000 to 3,500kg

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HANGCHA

X Series Electric Forklift Truck

The X series 1.0- to 3.5-ton forklift trucks are new-generation products by independent research and development based on former products of HANGCHA, with an overall upgrade in appearance molding, performance efficiency, comfort, safety and maintainability.

Agile/
Efficient/
Flexible

Appearance

/ Appearance design methods of new concepts, stream-lined surface modeling, flexible and smooth lines, elegant and decent.
/ Compact truck shape, simplified appearance, vigorous and powerful.
/ Optimum energy efficiency.

Stability

/ The traction motors are arranged in parallel, the batteries are fixed at the bottom of the truck frame, and the shaft distance and real-wheel distance have been lengthened, aiming to enhance the swing point of steering axle and shorten front overhang distance for excellent stability.

Efficiency

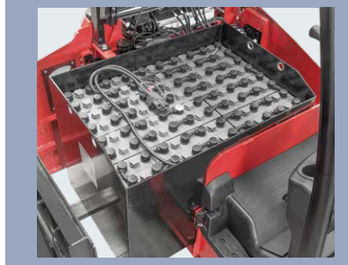
/ The inner and outer turning angle of steering wheels are enlarged with small turning radius, which can operate in narrow paths.
/ Multi-speed models for selection to adapt various working conditions.
/ A high-power traction motor and high-speed-ration gearbox have been adopted. The maximum travelling speed and climbing gradient under full load have been increased to 16.5km/h and 20% respectively.
/ High-power pump motor with quiet and large discharge capacity has been adopted to promote lifting speed. For instance, the maximum lifting speed with 1.5-ton full load can reach 420mm/s.
/ Thanks to the stability technologies, such as new mast with shorter load distance, making a great promotion of loading capability and high lifting mast.
/ Compact design, the width of 2- to 2.5-ton truck is only 1180mm.
/ Light weight and low energy consumption. Brake energy regeneration system effectively saves energy and prolongs operation hours for one charge.

Comfort

/ Designed based on ergonomics, the longer wheelbase provides larger space for legs. The diameter of steering wheel has been decreased to 300mm. Seats can be adjusted forward and backward for operators to choose the best driving position.
/ Humanized design. Storing space, USB interface and others have been added.

New designed mast and the large open steel roof provide super visibility, it also can reduce risk of accidents

Fully closed operation plate space, tilting cylinder and flat bottom plate, providing more comfortable and safe operation



Side roll out the battery can provides the fast, simple and safe solution for the operator

Multi-function instrument with color screen, clear human-computer interaction interface for visualized reading

Safety

/ LED front lights and combined lights provide better view to operators under any circumstance.
/ The panoramic rearview mirror provides broader rearview for safer driving.
/ Soft landing system: When forks are 100-60mm above the ground, the descending speed decreases automatically, keeping the goods and pallet from hitting the ground and protecting both goods and the ground effectively.
/ Overload protection device for electronics and hydraulics, conforming to safety specifications.

Maintenance

/ The bottom plate under feet can be disassembled without tools, which is convenient to check and repair all walking motors and systems.
/ Brake fluid can be added when the shield cover and oiler cover are opened.
/ Fully opening covers are quite convenient for the maintenance motors and controllers.

Advancement

/ High frequency MOSFET controller provides accurate control of travelling, lifting, and better adjustable performance, and better matches the motor. Regenerative braking, reverse current braking and anti-slide on slop function guarantee the operation safety.
/ AC controllers realize computer control in travelling, turning, lifting, inclining and other movements.
/ Regenerative braking is more energy saving and efficiency during truck's deceleration, direction changing, and driving on downwards slope.

Standard specification

/ 3M duplex mast
/ Soft landing system
/ OHG
/ Storage compartment
/ Emergency power-off switch
/ USB interface
/ Full AC motor and controller
/ Multi-function color screen combination instrument
/ 2nd valve
/ Dynamic load sensing hydraulic steering gear
/ Panoramic rearview mirror
/ Integrated combination switch
/ DC-DC converter
/ LED front light, turning indicator light, LED rear combination tricolor light
/ Traction pin
/ Back-up beeper

Options

/ 2.0-5.0m duplex mast
/ 2.5-4.0m full free duplex mast
/ 4.3-7.0m full free triplex mast
/ Other length forks
/ Wide fork carriage
/ Wide or higher load backrest
/ Built-in side shifter
/ Accessories of other specifications
/ Front dual tire
/ Super-elastic solid tire
/ Non-marking tyre
/ Suspension seat with armrests
/ Suspension seat with higher OHG
/ Reversing hand grip with horn button
/ Left-right rearview mirror
/ Rear working light
/ Alarm light
/ Battery side removed by forks
/ Battery side roll out by roller
/ High-capacity domestic battery
/ High-performance imported battery
/ Maintenance-free battery
/ Lithium battery
/ Charger
/ OPS system
/ Fingertip system
/ 3T brake for 2-2.5t truck
/ Electric Parking Brake
/ KDS Motor

Lead-acid specification

Battery	Capacity (Ah/5h)	1.0t	1.5-1.75t	mini2t	2.0t	2.5t	2.5Lt	3.0-3.5t
Lead-acid	360	●					●	
	420		●					
	450			●				
	480	○	○				○	●
	525				●			
	560	○	○	○	○		○	○
	600			○	○	●	○	○
	700				○	○		

Note: ● Battery Std. ○ Battery Opt. 2.5Lt:80V

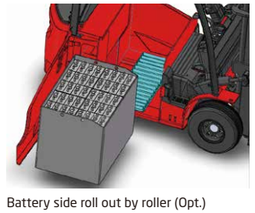
Lithium specification

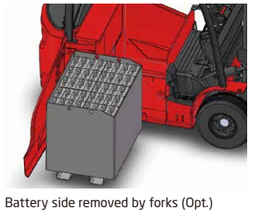
Battery	Capacity (Ah/5h)	1.0t	1.5-mini2t	2.0-2.5t	2.5Lt	3.0-3.5t
Lithium	302	●			●	
	456	○	●		○	●
	500			●		
	604		○	○	○	○

Note: ● Battery Std. ○ Battery Opt. 2.5Lt:80V

Fingertip system (Opt.)

Lithium battery (Opt.)


Battery side roll out by roller (Opt.)


Battery side removed by forks (Opt.)