HANGCHA

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ISO14001:2015

ISO9001:2015

HANGCHA trucks conform to the European Safety Requirements.

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XC Series 3-W Electric Forklift Truck

with capacities of 1,300 to 2,000kg

The World of Hangcha

SINCE 1956

HANGCHA

XC Series 3-W Electric Forklift Truck

Covering models with a tonnage of 1.3t, 1.5t, 1.6t, 1.8t and 2.0t respectively, the new XC series three-point new energy electric forklifts are HANGCHA's dedicated-purpose battery forklifts subsequent to the XC series four-point dedicated-purpose battery forklifts.
Equipped with the dedicated lithium battery cells and modules for the XC series forklifts, which are developed jointly by HANGCHA and CATL, the truck has the features of high lifting speed, high driving speed, excellent ergonomic design, easy operation and high safety.

Excellent ergonomic design

/ The truck has a large operation space more than 50% larger than that of the traditional three-point electric truck.
/ The enlarged brake pedal and appropriate regenerative braking function can effectively reduce the driver's fatigue.
/ For the optional integrated fingertip operating system, the combined operation armrest integrates the emergency shut-off, horn and quadruple thumb switches, etc., is electrically controlled through the CAN bus, and is highly reliable.

Easy operations and maintenance

/ With the fully sealed hood and side plates, all major components including the electrically controlled components, motor, electrical components, etc. are sealed from dust and water.
/ Vulnerable parts and key parts are arranged reasonably to facilitate maintenance and repair.
/ The hood (with a self-locking gas spring) can be opened at a large angle facilitating the maintenance and replacement of the battery.

Advancement

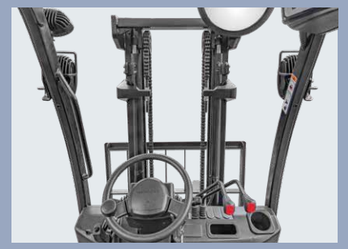
/ The high-frequency MOSFET integrated controller ensures smooth and accurate driving and lifting control, and has excellent speed regulation performance, good performance of electronic control matching the motor, functions of regenerative braking, reverse braking and anti-sliding on ramps, etc., and high safety and reliability.
/ The ultra-high power AC drive motor has a bridge structure.
/ An ultra-high power AC oil pump motor is used. The system has high efficiency, complete protection functions, built-in speed and temperature sensors, and greatly improved reliability and life.
/ The noise can be as low as 73dBA.

Main Accessories

/ The main electrical components such as the motor controller, contactor, power plug, emergency cut-off switch, dashboard, accelerator, are all products of well-known foreign brands.
/ The emergency cut-off switch equipped for the standard configuration complies with European safety regulations.
/ Electronic and hydraulic overload protection devices.
/ The truck has passed the CE certification.

The dashboard in the driver's cab is placed overhead and can be seen when the driver lift her/his head, and the function buttons can be pressed easily

The packs can be easily removed by a manual or electric cart, and can be repaired and maintained conveniently



The wide-view mast with optimized design is unlikely to obstruct the operator's line of sight. The enlarged opening size of the fork carriage enables a wider view. The high fulcrum of the tilt cylinder enables better force bearing and more stable operation of the mast

The ergonomically designed tilt-adjustable small-diameter steering wheel makes the driver feel good

The seat can be adjusted back and forth by 210mm. The operator can choose the best driving position

Comfort

/ Owing to the low center of gravity and good stability, the driver feels comfortable during turning.
/ The intelligent sensing enables buffered descending. When the fork is 100 - 60mm away from the ground, the descending will automatically slow down, so that the goods and pallet will not hit the ground and the goods and ground can be protected effectively.
/ Silence, no pollution, energy saving and other advantages meet environmental protection requirements.
/ With friendly human-computer interfaces, the new large-screen LED instruments have good visibility and clear readings.

Options

/ Lithium packs that can be replaced quickly
/ Start with a PIN code or by swiping a card
/ Ultra-elastic solid nose tire
/ Environmentally-friendly colored solid tire
/ Left and right rearview mirrors
/ Reversing video
/ Front/rear blue lights
/ Rear operation lights
/ Cold storage truck
/ Reverse armrest (containing a horn button)
/ Fully enclosed cab
/ OPS seat sensing function
/ Fork ascending buffering
/ Triple multiway valve
/ Quadruple multiway valve
/ Quintuple multiway valve
/ Widened / heightened load backrest
/ Widened fork carriage
/ Forks of other lengths
/ Full free duplex mast
/ Full free triplex mast
/ Integrated side shifter
/ Attachments of other specifications
/ Grammer MSG531 suspended seat
/ Dedicated lithium battery charger (Titan or Schneider)
/ Integrated fingertip control system including ergonomic armrests

Large-capacity CATL battery packs		
Tonnage	Std.	Opt.
1.3-1.8t	80V/202Ah	80V/271Ah
2.0t	80V/271Ah	80V/375Ah

Safety

/ The optional descending lock function can disable the descending function when the driver leaves the seat, and enable high safety.
/ The standard configuration provides a fork descending buffering function. In addition, an optional electronic control function for buffering the fork's ascending is provided to protect the goods from falling and damaging the ground.
/ The handbrake can be optionally equipped with an alarm buzzer to prompt the driver to pull up the handbrake before leaving the truck.
/ Three horn buttons are provided, which are respectively on the driver's steering wheel, thumb switch equipped armrest (optional) and reverse armrest (optional), for alerting and protecting the surrounding people.
/ A PIN code should be provided before entering the system. 99 sets of PIN codes are available for the administrator. The truck is highly secured and irrelevant personnel cannot start the truck.

Standard Specification

/ Dual AC drive motors
/ High-power AC oil pump motor
/ Silent gear pump
/ Multi-function color screen instrument cluster
/ Large integral rubber pedal pad
/ Stamped iron hood, stamped iron side plates
/ Stamped stainless steel boarding step
/ Handbrake with a touch-proof mechanism
/ Turning deceleration function
/ Cloud smart module
/ Fork descending buffering
/ SPE power selection
/ Mileage display, operating time display
/ Integrated fuse box
/ Charging muzzle meeting national standards
/ DC-DC converter
/ Electronic cooling fan
/ Doublet multiway valve
/ Emergency shut-off switch
/ Reversing buzzer
/ Traction pin
/ Toolbox, folder
/ Load sensing steering system
/ Standard duplex mast, fork, fork carriage and load backrest
/ Lithium packs with low temperature electric heating systems
/ The gas spring of the hood with a touch-proof mechanism
/ LED combination headlights, LED combination three-color tail lights