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ISO45001:2018



ISO14001:2015



ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.



X SERIES

ELECTRIC 4-WAY REACH TRUCK

With capacity of 2,000 to 3,000kg

LI-ION POWERED



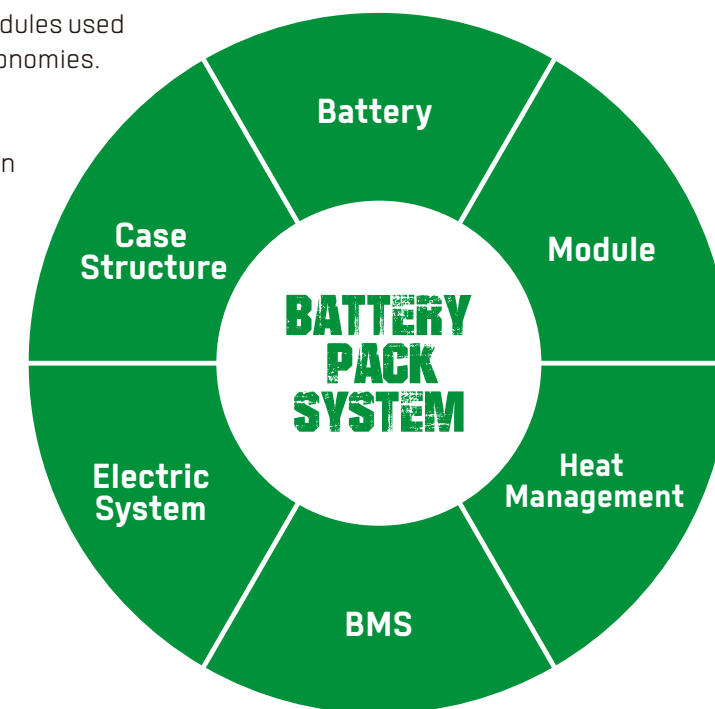
HANGCHA provides Li-ion battery (LiFePO₄) with 6 years or 12000 hours warranty.

**6 YEARS
WARRANTY**

INNOVATIVE SOLUTIONS NEW POWER NOW

Innovative, reliable lithium-ion technology (Lithium Iron-Phosphate), which are developed jointly by HANGCHA and CATL. Battery cells and modules are from CATL, with reliable quality, exclusively for HANGCHA.

- / We use square lithium iron phosphate batteries and modules used in large quantities by commercial vehicles in mature economies.
- / Safe and effective: Charging efficiency as high as 95%.
- / Quick charging.
- / Long-working: 2000 charging cycles, capacity retention greater than 80%.
- / Maintenance-free: Battery does not require manual maintenance.
- / Green and clean: Pollution-free, zero emissions.



Rapid charging and opportunity charging ensure continuous availability of vehicles

Allow for fast full charging or boost charging.

They are maintenance free and do not require a battery change when used for multi-shift operations.

BECOME THE FORKLIFT MEETING YOUR DIFFERENT NEEDS.

LARGE LOAD CAPACITY ■

SMALL TURNING RADIUS ■

RELIABILITY ■

■ ADVANCED PERFORMANCE

■ EASY OPERATIONS

■ HIGH SAFETY

■ HIGH LIFT



X SERIES ELECTRIC 4-WAY REACH TRUCK

Your reliable, powerful and connected working machine.

The 2-3-ton multi-lateral electric forklift can be driven in the modes of straight movement, sideways movement and 360° rotation in situ, etc. It is suitable for places with the need of handling and stacking large and long materials, such as pipes, sheets and wires, and can meet the needs of customers for operations in narrow aisles and high stacking heights.

DESIGNED AROUND YOU

HIGH EFFICIENCY

- The narrow aisles required for handling long stacking materials maximize the space availability of your warehouses.
- A high-power oil pump motor is used. The large-displacement silent gear pumps improve the lifting and descending speed of the fork, as well as its operating efficiency.
- The four-pivot articulated drive and steering axles allow higher passing ability, thus suitable for indoor and outdoor operation.
- The brake kinetic energy regeneration system enables the battery to support longer operating hours after being charged once.

Streamlined surface modelling, a smooth profile of the beautiful and generous vehicle.

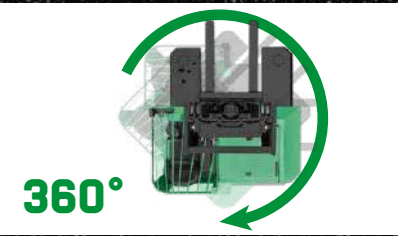


The mast can be moved forward and backward, and equipped with distance adjusting forks, stacking efficiency is improved.

- The high lift mast boasts strong bearing capacity and improved stacking efficiency.
- With a four-pivot structure, the vehicle has good stability when performing a high lift.

SPACE SAVING

Allowing straight movement, sideways movement, 360° rotation in situ and a small turning radius, the stacker can operate in narrow aisles.



By traveling sideways, even the truck with lengthy load can move through narrow aisle close to the vehicle length.



Counterbalanced forklift



Sideways travel mode

COMFORT

- The ergonomically arranged joystick, instruments and switches make operations more comfortable and flexible.
- The suspended cab allows more secure and comfortable operation.
- Electric steering makes steering more gentle and comfortable, and steering mode switching is easier and faster.
- A new integrated instrument cluster has complete functions and clear readings.



Electro-hydraulic proportional fingertip control system allows more accurate and smooth operation of the fork.



The joystick can be adjusted from top to bottom and from front to rear according to the operator's using habits.

With several speed gears, the vehicle is adapted to different operating conditions.



(Super)



(Power)



(Eco)

STABILITY

Wide body structure design allows the stacker to have good stability.

Overall width

1,850mm



The two-step pedals enable the operator to get on and off the stacker more conveniently and comfortably.

REVOLUTIONARY PERFORMANCE

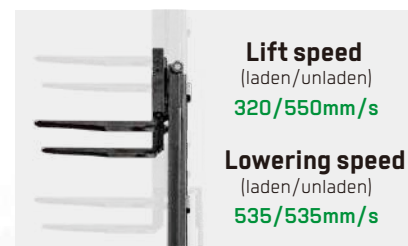
- Articulated drive and steering axles and suspended cab improve operating comfort.
- With efficient and precise adjustment performance, the newly equipped AC control system supports longer operating hours after being charged once.
- The integrated mechanical, electrical and hydraulic control realizes the step less speed regulation of the vehicle driving and the fork movement, more precisely and stably.



The fully open door enables easy repair, maintenance and tuning.

TECHNOLOGY

Instead of a traditional handbrake, an electromagnetic brake is used to realize the intelligent braking. An intelligent electromagnetic service brake system allows more efficient and safer braking.



Lift speed
(laden/unladen)
320/550mm/s

Lowering speed
(laden/unladen)
535/535mm/s

The fork of the vehicle has high lifting and descending speeds and high operation efficiency.



The large-screen LCD display and the gauges with fault self-diagnosis functions can accurately display information in harsh environments.

MADE FOR EASY MAINTENANCE

The brushless AC motor is maintenance-free and significantly reduces the operating cost.



The battery removed from a side of the vehicle enables easy repair and maintenance of the battery.



The electronically controlled electrical components are placed together and highly integrated.



RELIABILITY AND SAFETY

- The four-pivot low center of gravity design and the design high strength of the main force-bearing components of the frame are appropriate to heavy load operating conditions.
- The efficient AC power system has complete protection functions and greatly improved reliability and service life.



The main electrical components such as the motor controller, contactor, power plug and emergency cut-off switch are all products of well-known foreign brands.



The safety pedals eliminate the safety hazard arising from the operator's incorrect operations.



The front and rear wheel braking systems that allow large braking torque are suitable for indoor and outdoor slippery roads to let the operator drive more safely.



The optimized design of the wide-view gantry enables the operator to get a better view, and improves the operation safety.

Optional battery list

Battery Type	Voltage	Capacity	Model
	V	Ah	
Lead-acid	80	300	CCD20-XC5-D ●
		360	CCD20-XC5-D ○ CCD25-XC5-D ● CCD30-XC5-D ●
		440	CCD20-XC5-D ○ CCD25-XC5-D ○ CCD30-XC5-D ○
Lithium	80	250	CCD20-XC5-ID ●
		346	CCD20-XC5-ID ○ CCD25-XC5-ID ● CCD30-XC5-ID ●
		456	CCD20-XC5-ID ○ CCD25-XC5-ID ○ CCD30-XC5-ID ○

Note: ● Standard ; ○ Optional



Features

Mast	Standard	Options
Standard duplex mast	●	
See the Configuration Table of the Mast		○
Fork and attachment		
Standard fork	●	
Fork carriage	●	
Load backrest	●	
Non-standard series fork		○
Various attachments		○
Light		
LED headlight	●	
Common alarm lamp		○
Acoustic and optical alarm lamp		○
LED rear lamp		○
Blue lamp		○
Straight projection lamp		○
Horn		
Electric horn	●	
Reversing buzzer	●	
Safety configuration		
Fuse box	●	
OPS sensing system	●	
Safety pedal	●	
Main power switch	●	
Reversing radar		○
Fire extinguisher		○
Speed limit alarm device		○
Driving space		
Standard overhead guard	●	
Steering wheel adjusting device	●	
Anti-skid boarding step	●	
Boarding handle	●	
Electric fan		○
Left and right rearview mirrors		○
Seat		
Standard safety belt seat	●	
Fully-suspended seat		○
Electronic steering		
Electronic steering	●	
Other standard configuration		
Self-locking valve in the tilting fuel circuit	●	
Speed limit valve in the lifting fuel circuit	●	
Hydraulic oil fine filter	●	
Particular market		
CE standard		○
Control mode		
Armrest thumb switch	●	
Instrument rack space		
Smart color-screen instrument (speed mode selection)	●	
Tires		
Polyurethane wheel normally for universal wheel and bearing wheel	●	
Rubber wheel normally for driving wheel	●	