



HANGCHA GROUP CO., LTD.

Factory site: 666 Xiangfu Road,
Hangzhou, Zhejiang, China (311305)

Tel: +86-571-88926735 88926755
Fax: +86-571-88926789 88132890

sales@hcforklift.com www.hcforklift.com

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ISO45001:2018



ISO14001:2015



ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.

X SERIES

HI-RANGE PALLET TRUCK
WITH LITHIUM POWER

With capacity of 2,000 to 3,000kg

X SERIES HI-RANGE ELECTRIC PALLET TRUCK

X series Hi-range electric pallet truck are a new generation of products newly developed by Hangcha for warehousing and logistics applications. Using the advanced permanent magnet brushless drive technology and equipped with a new 48V system, the products have advanced performance, comfortable, safe and reliable operations and low use and maintenance costs, and are ideal tools for loading, unloading and handling palletized goods in warehouses, supermarkets and workshops.

RUGGED ON THE OUTSIDE.

- The X series Hi range electric pallet truck adopts a professional industrial design of exterior and a series family design. The vehicle has a smooth vivid profile and a fully ergonomic design, following the latest exterior design trend.
- Made of high-strength steel plates that are molded by stamping, the vehicle exterior is robust, durable and high-grade, and meets environmental protection requirements.



HIGH PERFORMANCE

- With high power drive motor, provides fast travel speed and good gradeability.
- The permanent magnet synchronous drive system has excellent performance and low energy consumption. The 48V power supply system has less heat generated.
- With the VCU control, the vehicle can be controlled accurately, stably and more efficiently.



Charging port



(Option) Lithium battery with the on-board charger (48V, 20A)
(Excluding model F2)

Pedestrian type

 **6.0** km/h
Travel speed (laden)

 **10%**
Gradeability (laden) [2t]

Stand-on type

 **9.5** km/h
Travel speed (laden) [2t]

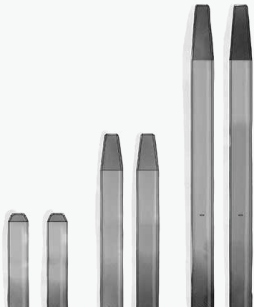
 **10%**
Gradeability (laden) [2t]

The electronic steering provided for the standard configuration enables easier and more flexible operation.



ENJOY YOUR WORK.

Customer can choose different width of outside fork and length of forks to fit variable pallet



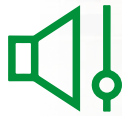
The new torsion bar - equipped auxiliary wheel system enables the vehicle to drive stably.



The standing driving pedal with shock-absorbing design significantly improves standing driving comfort and reduces long-time driving fatigue.

RELIABILITY

- With the low center of gravity design and a high-strength steel frame structure, the vehicle frame has a large residual load capacity.
- The hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing reliable operation.



MORE PROTECT



Water-proof plugs and connectors applied to provide a reliable protection to electric system.



The integral metal rear hood can withstand external impact.



The stamped fork with higher strength and impact resistance, and guided fork prongs, further improve operation efficiency.

NEW TILLER

- The novelly developed tiller is compact and stylish.
- Displayed turtle speed function applied to move slowly and helps to stack goods in narrow spaces.



PIN code access

COMFORT

- Optimized designing structure to offer a good visibility and easy entrance of the pallet.
- Using non-contact proximity switch, it can provides long life and reliable operation.
- The compact body and big rounded design provide an ideal operation in limited space, and the wedge designed chassis greatly increases the passing ability.



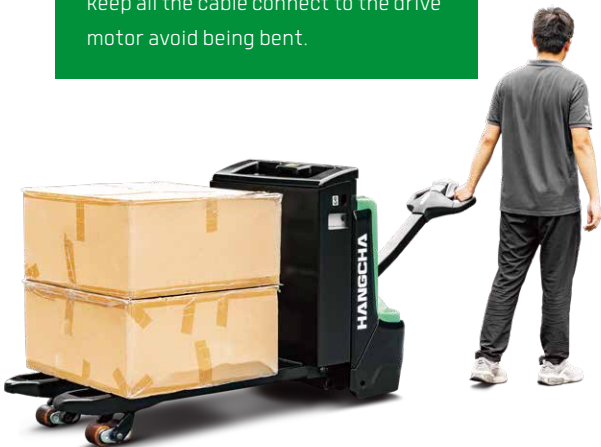
- Optimized rod which is stable, reliable and subject to a small force



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

6 YEARS WARRANTY

Pedestrian type use the new design drive system, the drive motor will not accompany the tiller rotation, it can keep all the cable connect to the drive motor avoid being bent.





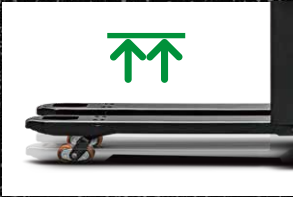
The applied slope anti-slip function ensures the safety of the operation.

PROTECT YOUR INVESTMENT

WITH THREE BRAKING TYPES:
Releasing brake, reversing brake and emergency brake, the driving safety has been ensured.



The emergency button on the tiller head can effectively avoid the harm to the driver.



Lifting limitation switch to offer protection to the loads from damaging.



48V
VOLTAGE
WITH
PERMANENT MAGNET
SYNCHRONOUS DRIVE MOTOR

Maintenance-free permanent magnet synchronous motor.

MAINTENANCE

- All shafts installed lubricated shaft sleeve and oil cup, provide convenient maintenance and long service life.
- Rear cover can be completely open, operator can see all the components, so the maintenance is very convenient.

The fault information can be checked directly via the interactive instruments instead of the manual.



Features

Truck	Standard	Options
48V permanent magnet synchronous drive motor	●	
Hydraulic power unit	●	
PU drive wheel	●	
1150mm fork length	●	
540mm outside fork width	●	
Balance wheels	●	
Double load wheels	●	
Different length of forks		○
Different width of outside fork		○
Single load wheel		○
48V/105Ah lithium battery (EVE)	●	
48V/125Ah lithium battery (CATL)		○
Controls and instruments		
Multi-function tiller	●	
USB power supply	●	
Key switch		○
Electric steering(stand-on type)	●	
Systech controller	●	
Interactive meter	●	
Electronic lifting limitation	●	
PIN code access	●	
Safety		
Emergency disconnect switch	●	
Turning deceleration(stand-on type)	●	
Horn	●	
Other		
48V30A charger		○
48V50A charger		○
Lithium battery(48V/105Ah,EVE) with the on-board charger(48V,20A)(Excluding model F2)		○



- Low cost, low power consumption
- Historical data record
- Flexible cascade expansion
- CRC data validation