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ISO45001:2018



ISO14001:2015



ISO9001:2015



HANGCHA trucks conform to the European Safety Requirements.



# XE SERIES

ELECTRIC FORKLIFT TRUCK WITH LITHIUM POWER

With capacity of 1,500 to 3,800kg

**XE**  
SERIES



# BECOME THE FORKLIFT MEETING YOUR DIFFERENT NEEDS.

ADVANCED PERFORMANCE ■

HIGH EFFICIENCY ■

COMFORT ■



■ OUTDOOR OPERATION ABILITY

■ ERGONOMICS

■ RELIABILITY

■ MAINTENANCE

## XE SERIES ELECTRIC FORKLIFT TRUCK WITH LITHIUM POWER

Your reliable, powerful and connected working machine.

XE series lithium battery forklifts are high quality products developed by Hangcha on the basis of the advantages of "lithium battery special structure" and "permanent magnet synchronous technology".

# XE SERIES



## TAKE ON THE BIG JOBS.

Following the family design of electric forklifts, they are provided with some key parts compatible with internal combustion forklifts, and optimized mainly on the overall performance, ergonomics, reliability, maintenance, outdoor operation ability and load capacity in a bid to meet customers' use scenarios of internal combustion forklifts. The enhanced model is capable of meeting the application demand of users in heavy-duty working conditions.

### STYLISH EXTERIOR

- Following the family exterior design of XH and XC lithium battery forklifts;
- Boasting smooth and powerful contour lines, and simple and elegant vehicle body, and presenting both fashion and steadiness as a whole.

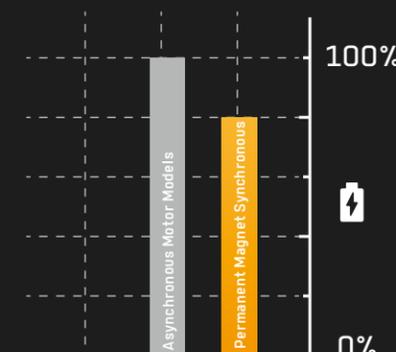
### ENERGY-SAVING AND EFFICIENT

- An efficient high-torque motor together with a high speed ratio gearbox significantly improves the travel speed, gradeability and lifting speed;
- The air-cooled fan built in the travel and lifting motors allow better heat dissipation and more thorough performance realization;
- Oil pump reducers are introduced in the oil pump devices for the first time, enabling the lifting motor to work in a more efficient and more energy-saving manner;



With the **80V dual permanent magnet synchronous motor system** with higher power density, as well the highly fitted speed reducer, motors and electrical control, under the same operating conditions, compared with the traditional asynchronous motor model, the energy consumption is reduced by 15%-20%.

**15-20%  
ENERGY SAVING**





## COMFORTABLE EXPERIENCE

- With the advantages of lithium battery forklifts, this ergonomically designed forklift enables a wide view and a large operation space.
- The optional electronic handbrake allows more comfortable driving experience.
- The color-screen instruments are designed to have clear and intuitive graphic interfaces.



Color-screen instruments

Ergonomically designed forklift enables a wide view



## ADAPTABILITY TO DIFFERENT SCENARIOS



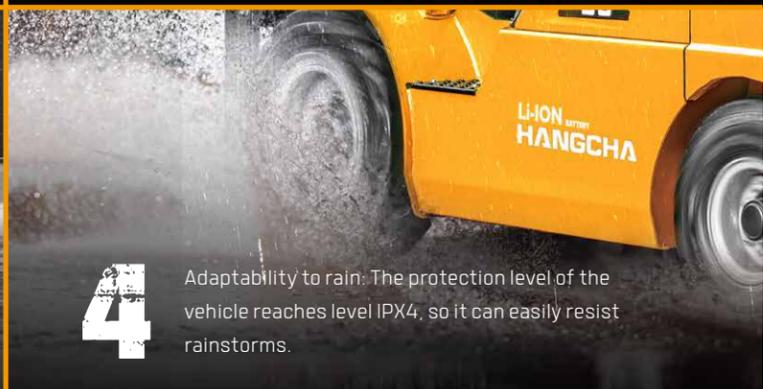
**1** Smooth driving: Increased distance from the ground enables the forklift to adapt to rugged roads outdoors.



**2** Flexible turning: With a small turning radius, the forklift can flexibly move in indoor environments such as cold stores (optional), etc.



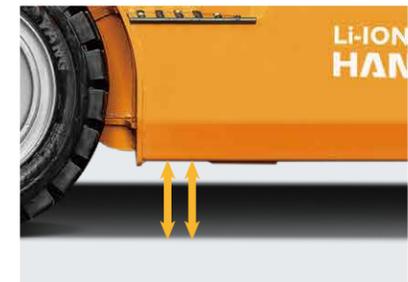
**3** Adaptability to cold weather: For the standard configuration, the battery is equipped with an electric heating module to ensure normal operation in cold weather.



**4** Adaptability to rain: The protection level of the vehicle reaches level IPX4, so it can easily resist rainstorms.

## RELIABLE AND DURABLE

- The enhanced drive axle and gearbox with the mast, steering axles with tapered roller bearing (for the heavy-duty model) and big tires for internal combustion forklifts can meet the demand of application in heavy-duty working conditions;
- Low center of gravity and high load margin are designed for more stable working;
- Verified in accordance with double standards of electric forklifts and internal combustion forklifts, with the enhanced test strength higher than that for the internal combustion standard, this forklift is reliable and durable.



Ground clearance increased



## Optional battery list

Capacity(Ah) Hangcha	1.5-mini2.0t 80V		2.0-2.5t 80V		3.0-3.8t 80V		
	Std.	H	Std.	H	Std.	H	H1
160	●	○	/	/	/	/	/
230	○	○	○	○	○	○	○
280	○	○	○	○	○	○	/
304	○	○	○	○	○	○	/
460	/	/	/	/	/	/	○
560	/	/	/	/	/	/	○
608	/	/	/	/	/	/	○

Capacity(Ah) CATL	1.5-mini2.0t 80V		2.0-2.5t 80V		3.0-3.8t 80V		
	Std.	H	Std.	H	Std.	H	H1
228	○	○	/	/	/	/	/
302	○	○	○	○	○	○	/
375	/	/	○	○	○	○	/
456	/	/	○	○	○	○	○
604	/	/	/	/	/	/	○

Note: ● Standard battery capacity; ○ Optional battery capacity;

## Features

Color	Standard	Options
Yellow-black	●	
Other customized color		○
Particular market		
CE Standard		○
Cold storage environment		
-18°C/-30°C		○
Mast		
Standard duplex mast	●	
Configuration Table of the Mast		○
Fork and attachment		
Standard fork	●	
Fork arm carrier	●	
Load backrest	●	
Non-standard series fork		○
Various attachments		○
Tires		
Pneumatic tire (single)	●	
Pneumatic tire (dual)		○
Solid tire (single)		○
Solid tire (single)		○
Multiway valve		
Double multi-way valve	●	
Potionmeter for lift	●	
Triple valve		○
Quadruple valve		○
Quintuple valve (2.0-3.8t)		○
Tiller		
Lifting and tilting level	●	
Thumb switch		○
Battery		
Standard lithium battery	●	
Large-capacity lithium battery		○
Quick-change lithium battery		○
Light		
LED head lamp	●	
Turn signal lamp	●	
LED rear combination lamp	●	
Common alarm lamp		○
Acoustic and optical alarm lamp		○
LED rear lamp		○
Blue light		○
Straight projection lamp		○
Horn		
Electric horn	●	
Reverse buzzer	●	
Right rear armrest with horn button		○
Smart module		
Jiachen smart module		○
Safety management module		○

## Features

Safety configuration	Standard	Options
Emergency power-off switch	●	
Fuse box	●	
Soft landing	●	
Reversing radar		○
OPS system		○
Fire extinguisher		○
Ascending buffering		○
Parking brake		
Mechanical handbrake	●	
EPB(Electric Parking Brake)		○
Instrument rack space		
Smart color-screen instrument (speed mode selection)	●	
Combination switch	●	
Cigarette lighter		○
USB port		○
Electronic code lock (start by swiping a card)		○
Driving space		
Standard overhead guard	●	
Central rear view mirror	●	
Front windshield		○
PVC ceiling		○
Cab		○
Electric fan		○
Left and right rear view mirrors		○
Seat		
Standard seat	●	
Fully-suspended seat		○
Semi-suspended seat		○
Other standard configuration		
Drive and lifting controllers	●	
Driving and lifting motors	●	
Oil pump reducer	●	
Silent gear pump	●	
DC-DC converter	●	
Pedal pad	●	
Traction pin	●	
Integral stamped side panel and hood	●	