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ISO45001
IS045001:2018

ISO14001
IS014001:2015

ISO9001
IS09001:2015

HANGCHA trucks conform to the European Safety Requirements.



WHL SERIES

ELECTRIC PALLET STACKER

With capacity of 1,500 to 2,000kg

2026 VERSION 1/COPYRIGHT 2026/08

Making Material Handling Easier

WHL SERIES ELECTRIC PALLET STACKER

The WHL series is a stand-on electric pallet stacker featuring stepless speed adjustment for lifting and proportional control for lowering. It adopts a floating drive technology and a five-point layout, making it highly cost-effective, functional, stable, easy to maintain, and easy to install. It is suitable for handling and loading/unloading goods in factories, warehouses, supermarkets, and other similar settings.





APPEARANCE

- The WHL series pallet stacker features a professional industrial design with smooth lines and a dynamic appearance. It fully considers ergonomics and conforms to the latest design trends.
- It extensively uses alloy structural steel and sheet metal stamping processes, ensuring durability and compliance with relevant requirements.



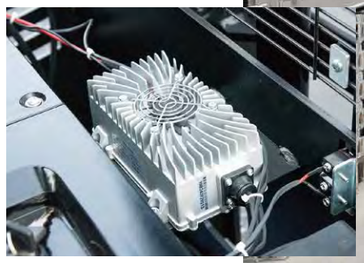


TOTAL COMFORT

Floating drive technology, combined with a shock-absorbing pedal, effectively reduces vibration.

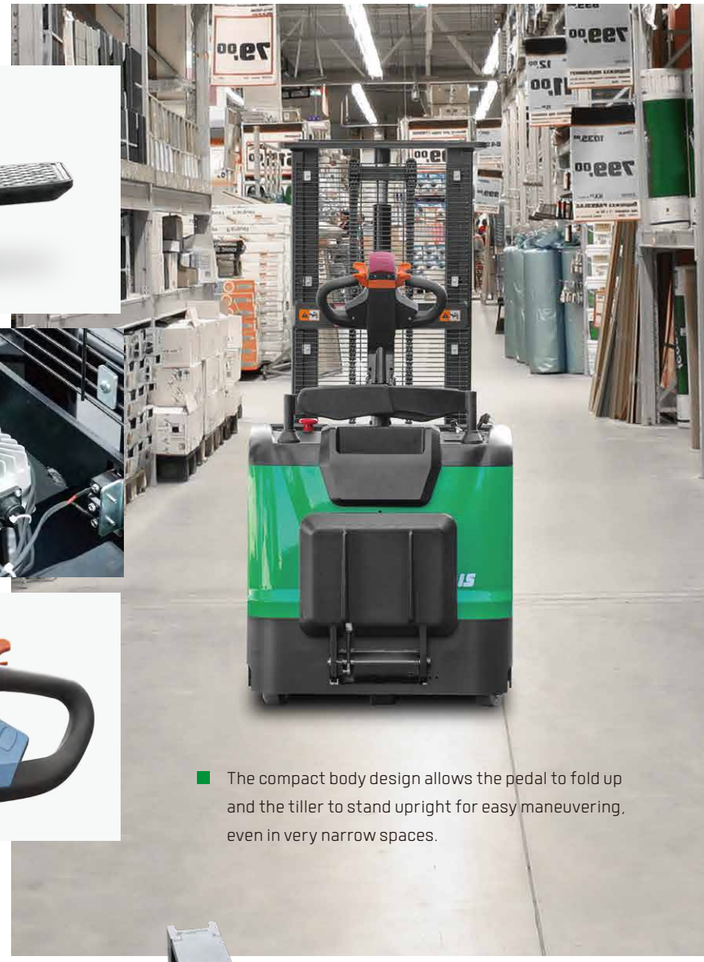


An integrated charger allows for convenient charging at any time.



The multifunctional tiller and ergonomic control panel make all operations simple and easy to learn.



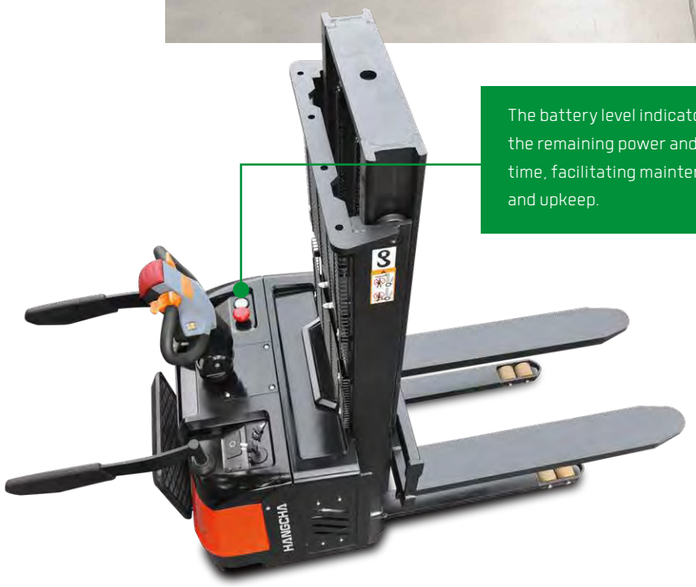


- The compact body design allows the pedal to fold up and the tiller to stand upright for easy maneuvering, even in very narrow spaces.

MAINTENANCE

- The rear cover can be safely opened to provide easy access to all components, making maintenance and servicing more convenient.
- All pivot points are designed for easy lubrication.
- An external debugging interface is provided, compatible with remote Bluetooth APP functionality.



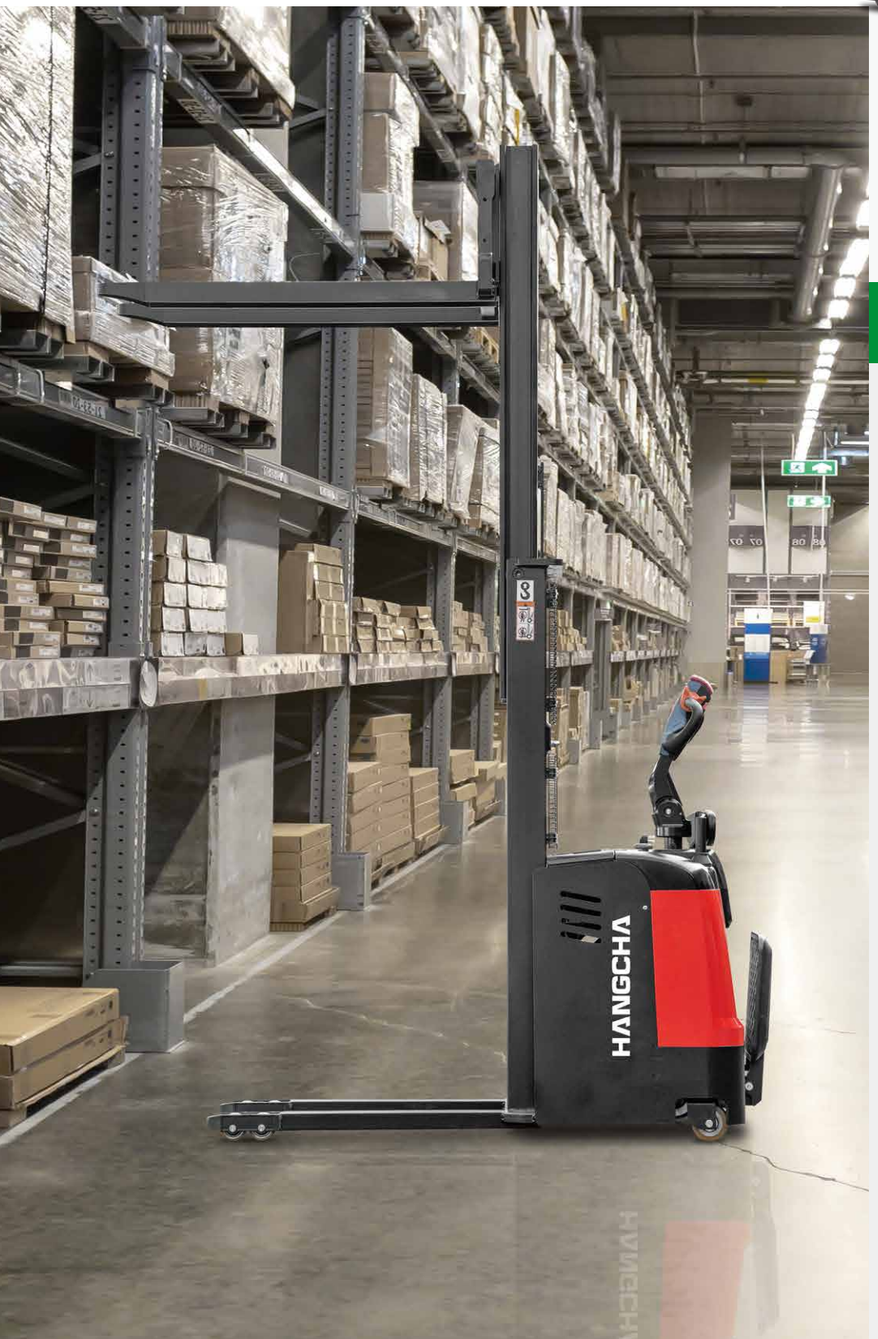


The battery level indicator shows the remaining power and usage time, facilitating maintenance and upkeep.

MORE PROTECT

- The vehicle is equipped with three emergency braking functions: release braking, reverse braking, and emergency stop braking, ensuring driving safety.
- The stacker is equipped with soft landing system. When the forks are lowered to a certain height, the lowering speed will automatically slow down to protect the safety of the goods.





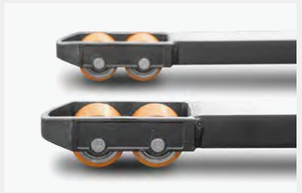


The lifting chain uses two plate chains for added reliability.

The entire series is equipped with a function that automatically reduces travelling speed when the forks are raised to a certain height.
The entire series is equipped with a function that automatically reduces travelling speed when the guardrail is closed.
The entire series requires the guardrail to be closed before the forks can continue to rise when they are lifted to a certain height.



40mm thick alloy structural steel



50mm thick solid steel support legs

RUGGED ON THE OUTSIDE

- A five-point layout with a centrally floating drive that can be adjusted ensures better stability and safety by preventing drive wheel slippage on various road conditions.
- The hydraulic power unit operates with low noise and vibration, ensuring smooth and reliable lifting and lowering.
- The use of forklift-specific C+H type high-strength alloy channel steel ensures a solid chassis and reliable lifting capacity up to 2.5 meters without load loss.



C+H channel steel

PERFORMANCE

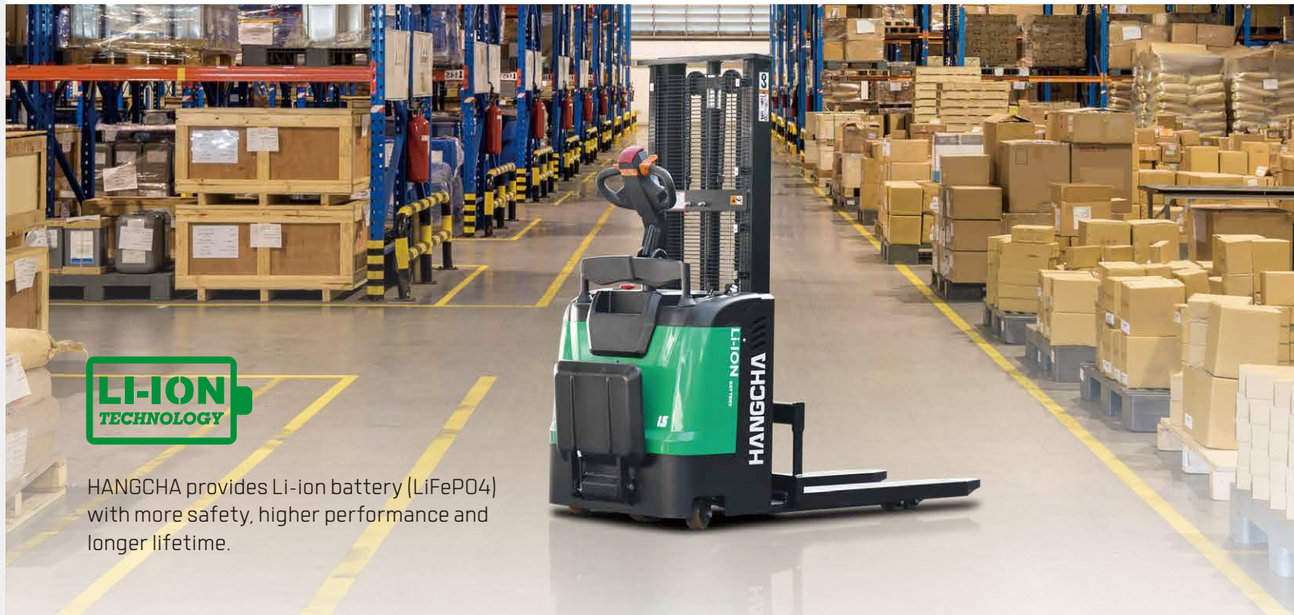
- Equipped with a dual control system, it achieves stepless speed adjustment and proportional control for lifting and lowering, ensuring smooth operation and reducing the impact during mast descent for precise fork positioning.
- The 2-ton model features an AC drive motor with excellent acceleration and climbing performance, low heat generation, and no brushes, requiring no maintenance.

4.5 km/h
Travel speed (laden)(2.0t)

5 %
Gradeability (laden)(2.0t)



The vehicle is equipped with regenerative braking and anti-slip protection on slopes.



LI-ION TECHNOLOGY

HANGCHA provides Li-ion battery (LiFePO4) with more safety, higher performance and longer lifetime.

Features

Truck	Standard	Options
Key switch (compliant with TSG81 requirements)	●	
Folding guardrail (with sensor switch)	●	
Folding pedal (with automatic rebound)	●	
Fork length: 1150 mm	●	
Fork spread: 680 mm	●	
Fork height, lowered: 90 mm	●	
Lifting height: 2.5 m	●	
Proportional lowering	●	
Upright-tiller creep speed travelling	●	
Built-in charger	●	
Debugging interface		
Fork length: 1220/1300/1400/1500 mm		○
Fork spread: 560/750/800 mm		○
Fork height, lowered: 85 mm		○
Different lifting heights: 2.0/2.7/3.0/3.3/3.5/4.0 m		○
Left and right rearview mirrors		○
Mast protection		○
Overhead guard		○
Maintenance-free battery 120Ah (for 1.5t model)		○
Lithium iron phosphate battery 60Ah (for 1.5t model)		○
Built-in charger 24V/15A (for 1.5t model)		○
Lead-acid battery 180/210/240Ah (for 2.0t model)		○
Lithium iron phosphate battery 105/210Ah (for 2.0t model)		○
Built-in charger 24V/30A (for 2.0t model)		○
Controls and instruments		
Lifting limit switch	●	
Stepless speed control for lifting	●	
Charging indicator light	●	
Battery meter (with battery level and timer display)	●	
Safety		
Horn	●	
Emergency stop switch	●	
Reverse beep		○
Lights		
Fault warning light	●	
Warning light		○