



**HANGCHA** Lithium-ion

Re-imagining **POWER**

## A Series Lithium-ion Industrial Walkie Straddle Stacker

with capacities of 2,500 to 4,000lbs

*Making Material Handling Easier*  
SINCE 1956

  
**HANGCHA**

# Industrial Walkie Stacker Series

The Industrial Walkie Straddle, Reach, and Counterbalance Stacker make up a series of industrial walkie stackers that can handle dock-to-stock and everything in between. Hangcha's Industrial Walkie Stacker product line offer advantageous head-length and a multi-function control handle with Electric Power Steering (EPS). This system, combined with the standard creep speed feature, gives the operator incredible load handling control with excellent maneuverability. The Industrial Walkie Stacker Series excels in the most demanding operational environments to bring your materials handling capabilities to their full potential.



# A Series Lithium-ion Industrial Walkie Straddle Stacker

The A Series Lithium-ion Industrial Walkie Straddle Stacker is a part of a new generation of products that are developed especially for the North American market. We took our existing lead-acid line of Industrial stackers and redesigned them with our new lithium-ion technology. The result is a series of high performance and energy efficient industrial stackers that are durable enough to meet the demands of the North American market. The AC drive control technology provides advanced performance, comfortable operation, safety and reliability, low maintenance costs. It can be used for loading and unloading in warehouses, supermarkets, and workshops.

## Environmental Efficiency Economy

### Appearance

- / The A Series Walkie Straddle Stacker Pallet Truck has a smooth vivid profile and was designed to be ergonomic. The exterior of this forklift is powder coated in a durable, easy to see, green finish that designates it as a lithium-ion powered pallet truck.
- / This pallet truck uses stamped steel plates and injection molded parts. This creates a robust and durable product that is able to successfully take on the wear and tear of a warehouse environment.



### High Performance

- / The truck uses stepless speed regulation for more accurate lifting and lowering of goods.
- / The Electric Power Steering system makes maneuvering and load handling extremely easy.
- / The brushless AC travel motor features excellent acceleration, outstanding climbing ability, low heat emission, and is maintenance-free.
- / The latest CURTIS AC control system is highly efficient thanks to its accurate and stable control.
- / The CANBUS structure makes communication between all of the machine's functions faster and more reliable.
- / The truck's regenerative braking prevents it from sliding on a grade.
- / The tiller, switches, plug connectors, meters, and other components are all of world-renowned brands to ensure reliability, performance, and ease of service.

### Comfort

- / Thanks to the tiller's design, all operations can be completed with one hand.
- / The straddle stacker's design provides the operator with a wide field of view allowing them to easily enter and withdraw from a pallet.
- / The compact design of the straddle stacker and large rounded corners make the truck suitable for operation in narrow operational spaces.
- / The optional battery side roll out provides the operator with an easy way to install or replace the battery.

### Reliability

- / The three-support points, low center of gravity, and the high-strength steel framed design feature a large residual load capacity, durability, and a long service life.
- / All wires and cables are protected to significantly increase the reliability of the straddle stacker's electrical system.
- / The non-contact proximity switch is reliable and features a long service life.
- / The low noise and vibration hydraulic power unit provides the straddle stacker with stable and reliable mast movement.
- / The mast is made of H-shaped steel channels to give it better stability and rigidity.
- / The power plug is fastened to the straddle stacker's body to prevent damaging the plug when installing the battery.

### Safety

- / Travel speed is lowered automatically when the fork is lifted to/past a specific height.
- / As the truck's steering angle increases, the truck's speed decreases. This is a standard safety feature.
- / The straddle stacker features three types of braking functions, release braking, reverse braking, and emergency braking, for safe operation.
- / The anti-sliding function on a grade ensures a safe operational workspace.
- / The emergency reversing button at top of the tiller protects the operator from being injured in case of an emergency during the backward operation of the truck.
- / The soft landing function reduces the mast's lowering speed automatically when the forks are lowered to a height less than 3.9" from the ground. This is designed to protect the goods from hitting the ground too hard.

### Maintenance

- / The brushless AC drive motor is maintenance-free. This significantly reduces the operating costs of the straddle stacker.
- / The integrated battery indicator, hour meter, and self-diagnostic instrument are all easy to use.
- / The maintenance hatch opens to allow for easy access to all of the truck's components.

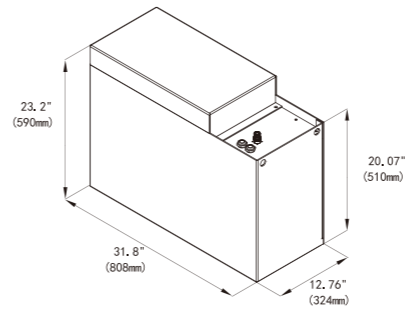




# CATL Lithium Iron Phosphate Battery Pack

- / Integrated Battery Management System (BMS) continually monitors energy management and ensures reliable operation.
- / HANGCHA provides these Lithium Iron Phosphate (LiFePO4) battery packs with a 5 year or 10,000 hour warranty.
- / See warranty certificate for specific warranty information on the Lithium Iron Phosphate battery packs.

| Model                                 | WSS11Li               | WSS14Li<br>WSS18Li    |
|---------------------------------------|-----------------------|-----------------------|
| <b>Battery Capacity (V/Ah) (kW-h)</b> | 24V/125Ah<br>3.00kW-h | 24V/404Ah<br>9.70kW-h |
| <b>Charger</b>                        | Built-in (24V/40Ah)   | External (24V/200Ah)  |



## Standard Specification

- / AC Drive Motor
- / CURTIS AC Drive & Oil Pump Motor Controller
- / Electric Power Steering System
- / Automatic Deceleration at Turns
- / Proportional Speed Regulation for all Fork Operations
- / Multi-Function Battery Condition Meter
- / High-Performance Load Wheels
- / 42" Fork Length
- / 8.3-31.1" Range for the Adjustable Outer Distance of Forks
- / 106.3" Limited Free Lift 2 Stage Mast
- / Soft Landing Feature
- / Multi-Function Tiller
- / Horn
- / Key Switch
- / Creep Speed Function
- / Emergency Reverse Feature
- / Wire Mesh Mast Screen

## Options

- / Various Fork Lengths
- / 48" Load Backrest
- / Side Battery Extraction
- / Sideshifter
- / Freezer Package
- / Various Mast Heights



The unique creep speed driving function allows the truck can be driven slow easily, and more accurately.



Outrigger lengths can vary between 38"-50"



The truck uses stepless speed regulation for more accurate lifting and lowering of goods.



The rotary load wheel structure gives the stacker better maneuverability.