

**SANY**



**SANY WAREHOUSE TRUCK**  
PRODUCT MANUAL

# SANY WAREHOUSE TRUCK

- Innovative integration
- Universal platform
- Leading intelligent technology
- Traditional features



# SCB15/20W

## Electric Walkie Pallet Truck(Economy)



**Rated load**  
1.5/2t



**Travel speed**  
4.9/4.9km/h (laden/unladen)



**Gradeability**  
6%/10% (laden/unladen)



**Lifting height of fork**  
115mm



**Lifting speed**  
17/22mm/s (laden/unladen)



**Turning radius**  
1350mm



**CE-certified**  
Whole vehicle



### Main features

#### Flexible operation

- Minimum turning radius of only 1350 mm, offering exceptional maneuverability and easily adapting to operation in narrow aisles.

#### All-terrain adaptation

- Optional suspended stabilizer wheel, enhancing the passability on different road surfaces while effectively extending the service life of tires.

#### Robustness and reliability

- Integrally forged forks proven through a rigorous 200-hour, fully-loaded endurance test to ensure safe and reliable operation.

#### Convenient control

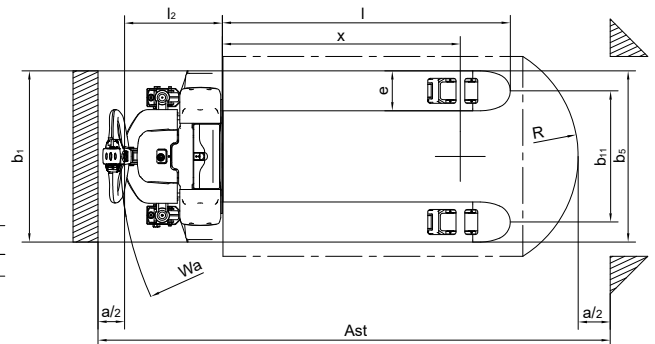
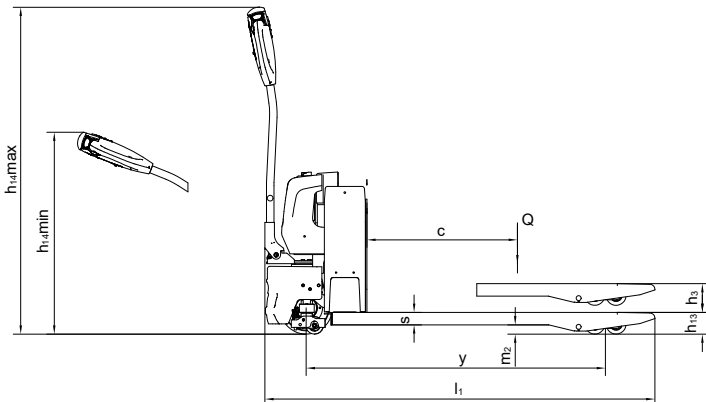
- Basic standard level with optional smart/multi-function magnetic level for intuitive operation, catering to diverse needs.

#### Quick battery change and long endurance

- Battery with standard 48V/10Ah (1.5 tons), 48V/15Ah (2 tons);
- Optional 48V/20Ah, 48V/25Ah;
- Easy removal and installation of battery, which can be replaced in 5 seconds.

#### Easy to maintain

- Service-friendly design: Logical layout with quick-access panels to significantly reduce maintenance time and difficulty.



# SCB20L

## Electric Walkie Pallet Truck(Economy)



**Rated load**  
2t



**Travel speed**  
6/6km/h (laden/unladen)



**Gradeability**  
10%/18% (laden/unladen)



**Lifting height of fork**  
120mm



**Lifting speed**  
65/90mm/s (laden/unladen)



**Turning radius**  
1510mm



**CE-certified**  
Whole vehicle



### Main features

#### High Efficiency

- Gradeability up to 10% (laden);
- Fast lifting speed: 65mm/s (laden), 90mm/s (unladen), improving working efficiency.

#### Flexible operation

- Minimum turning radius of only 1510 mm, offering exceptional maneuverability and easily adapting to operation in narrow aisles.

#### All-terrain adaptation

- Suspended stabilizer wheel equipped, enhancing the passability on different road surfaces while effectively extending the service life of tires.

#### Stable and reliable

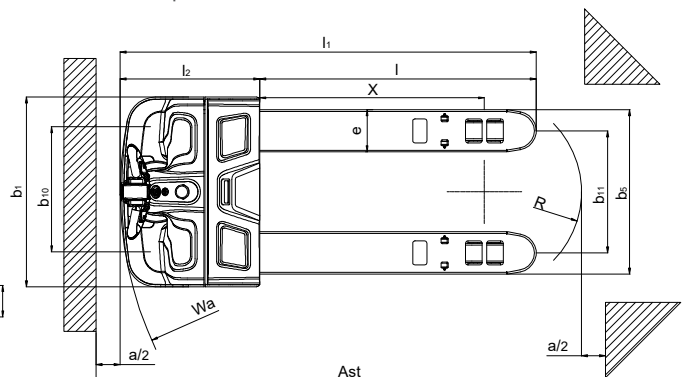
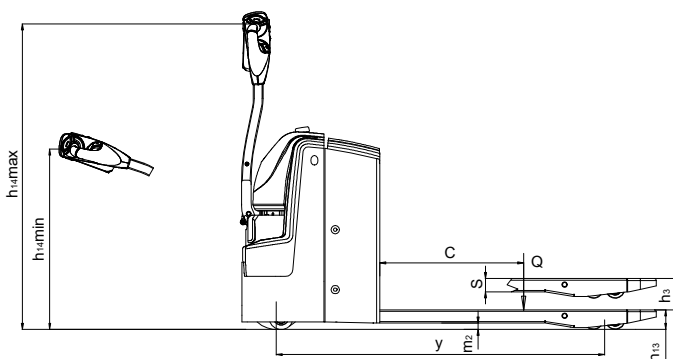
- Five-point chassis support system with dual lifting cylinders, ensuring exceptionally smooth lifting operation and safe, reliable performance.

#### Long endurance

- 24V/200Ah battery provided to delivering approximately 8 hours of continuous runtime to meet the demands of prolonged operation.

#### Convenient maintenance

- Service-friendly design: Logical layout with quick-access panels allows for easy maintenance of all core components.



# SCB20/25/30A6

## Electric Pallet Truck



**Rated load**  
2/2.5/3t



**Travel speed**  
9/10km/h (laden/unladen)



**Gradeability**  
10%/16% (laden/unladen)



**Lifting height of fork**  
120 mm



**Lifting speed**  
62/75mm/s (laden/unladen)



**Turning radius**  
1650/2060 mm



**CE-certified**  
Whole vehicle



### Main features

#### Efficient and powerful

- Industry-first permanent magnet synchronous motor in an integrated motor-drive unit, delivering a significant boost in energy efficiency;
- Strong power: maximum speed  $\geq 10\text{km/h}$  (unladen), maximum speed  $\geq 9\text{km/h}$  (laden); 10% (laden), 16% (unladen);
- Long endurance, fast charging: equipped with 48V100Ah battery, charging for 2 hours for sustainable operation for 8 hours.

#### Full-scene adaptation

- Key components (motor, controller, brake, bearings, etc.) are rated IP67 for high protection, ensuring reliable operation in harsh conditions;
- Exceptional maneuverability: Feature a small turning radius with only 1650 mm in length with the pedals folded, offering strong adaptability to confined spaces;
- Suspended chassis with a pressurized lift cylinder design for easy adaptation to varying ground conditions and excellent terrain passability.

#### Safety

- Automotive-grade lithium iron phosphate battery and battery management system (BMS) adopted, being safe and reliable;
- Automotive-grade VCU electrical architecture adopted, with overload and low battery protection functions.

#### Stable and Reliable

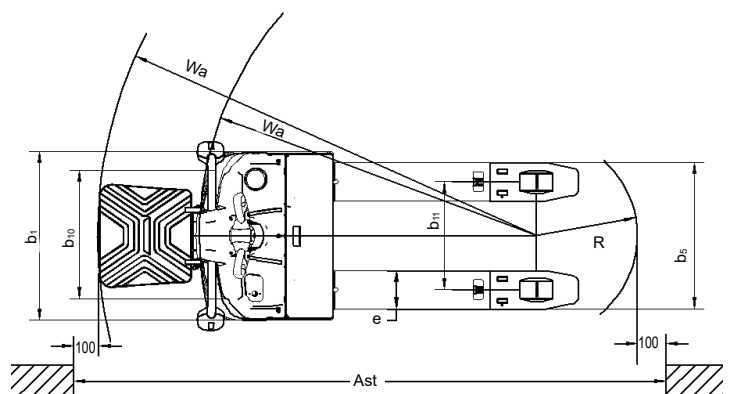
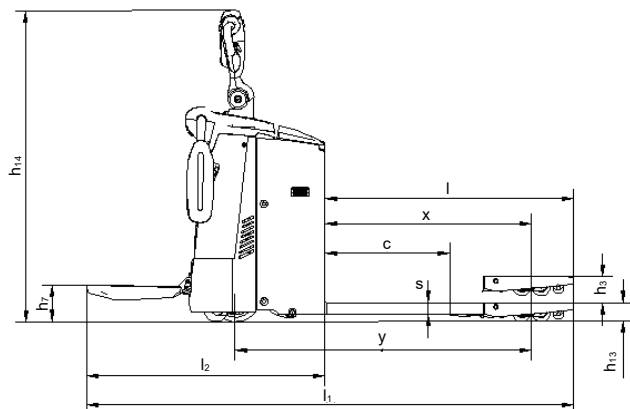
- Five-point support structure with balanced force for stable and reliable driving;
- Double lifting cylinder design for smooth lifting;
- Cast steel fork tip and guide steel wheel for strong wear resistance, impact resistance;
- Integrated fork torsion bar structure for uniform force and stable handling (laden).

#### Convenient maintenance and comfortable experience

- Service-friendly design: Logical layout with quick-access panels allows for easy maintenance of core components;
- Designed for comfort with an ergonomic, adjustable steering tiller (3 positions), a two-position arm guard, and a dual-spring dampened pedal.

#### Smart Connectivity

- Equipped with T-BOX and cloud platform to realize intelligent vehicle monitoring and management and support real-time interaction between vehicle and cloud data.



# SCD15W

## Electric Stacker (Economy Model)



**Rated load**  
1.5t



**Travel speed**  
4.5/5km/h (laden/unladen)



**Gradeability**  
6%/15% (laden/unladen)



**Lifting height of fork**  
Standard 2m~3.5m  
(customizable)



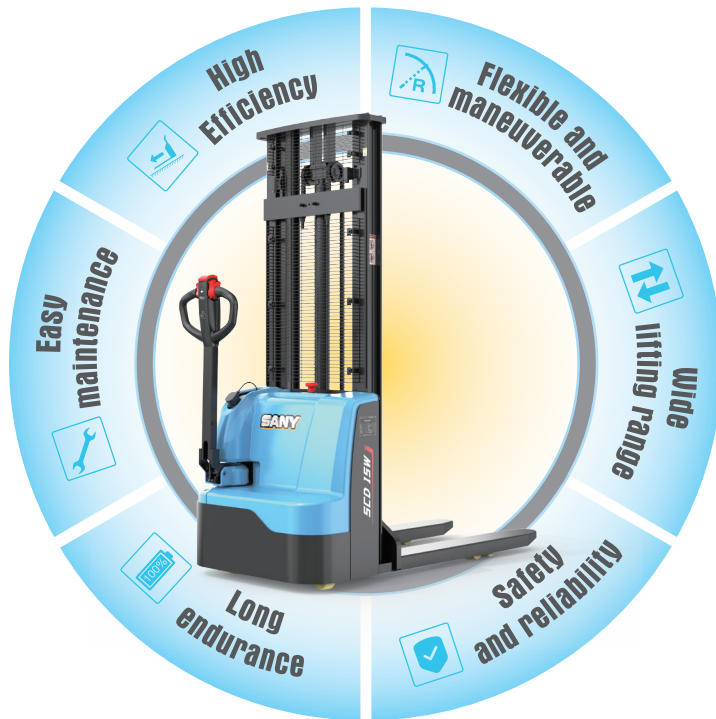
**Lifting speed**  
95/140mm/s (laden/  
unladen)



**Turning radius**  
1360mm



**CE-certified**  
Whole vehicle



### Main features

#### High Efficiency

- Travel speed of 4.5km/h (laden), rapid lifting speed: 95mm/s (laden), 140mm/s (unladen), significantly improving the working efficiency.

#### Flexible and maneuverable

- Minimum turning radius of only 1360 mm for effortless operation in narrow aisles and compact storage spaces.

#### Wide lifting range

- Maximum lifting height of the standard gantry is 3.5 meters, which can meet most stacking height and access requirements.

#### Safety and reliability

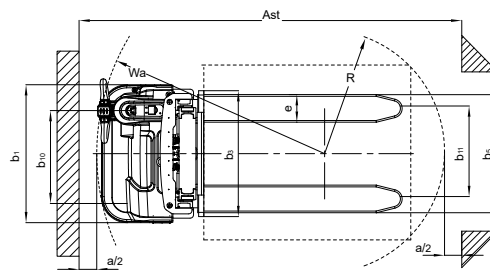
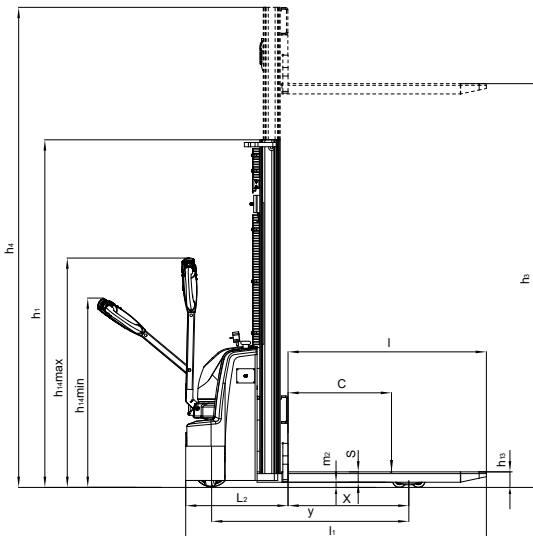
- Robust chassis features a four-point support structure, combined with a 10H-section steel channel mast, delivering exceptional overall rigidity, and ensuring smoother and safer operation.

#### Long endurance

- Standard 48V/67Ah battery to deliver 6 to 8 hours of continuous runtime, meeting the demands of a full work shift.

#### Easy maintenance

- Service-friendly design: Logical layout with quick-access panels allows for easy maintenance of core components.



# SCD16L

## Electric Stacker (Standard)



**Rated load**  
1.6t



**Travel speed**  
6/6km/h (laden/unladen)



**Gradeability**  
6%/15% (laden/unladen)



**Lifting height of fork**  
Standard 2.5m~5.6m  
(customizable)



**Lifting speed**  
120/220mm/s (laden/  
unladen)



**Turning radius**  
1510mm



**CE-certified**  
Whole vehicle



### Main features

#### Efficient and powerful

- Travel speed of 6km/h (laden), rapid lifting speed: 120mm/s (laden), 220mm/s (unladen), significantly improving the efficiency of handling and storage.

#### Flexible and maneuverable

- Minimum turning radius of only 1510 mm for effortless operation in narrow aisles and compact storage spaces.

#### Excellent lifting performance

- The maximum lifting height of the standard mast can reach 5.6 meters, meeting storage and access requirements for medium and low shelves.

#### Stable and reliable

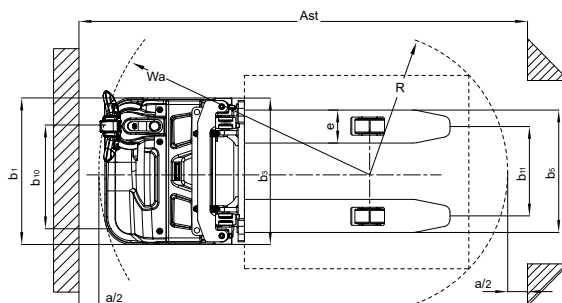
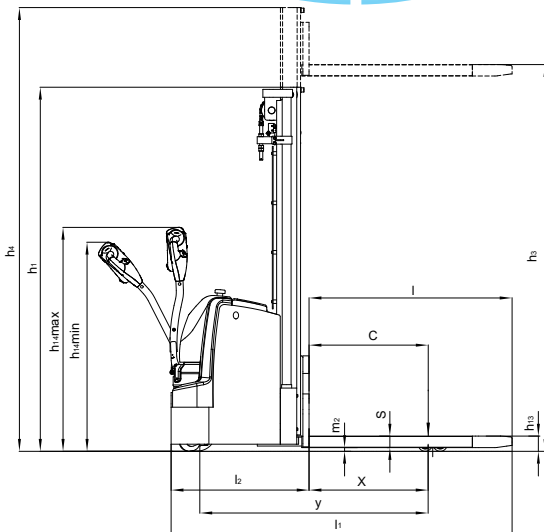
- Robust chassis features a four-point support structure, combined with a 12H-section steel channel mast, delivering exceptional overall rigidity, and ensuring smoother and safer operation.

#### Long endurance

- Equipped with 24V200Ah battery, which can work for 6-8 hours continuously, meeting the battery life requirements under most working conditions.

#### Easy maintenance

- Service-friendly design: Logical layout with quick-access panels allows for easy maintenance of key components.



# SCD16/20A6

## Electric Pallet Stacker



**Rated load**  
1.6/2t



**Travel speed**  
7/7km/h (laden/unladen)



**Gradeability**  
8%/16% (laden/unladen)



**Lifting height of fork**  
Standard 2.5m~5.6m  
(customizable)



**Lifting speed**  
130/200mm/s (laden/  
unladen)



**Turning radius**  
1595/2035mm



**CE-certified**  
Whole vehicle



### Main features

#### Efficient and all-round

- Industry-first permanent magnet synchronous motor in an integrated motor-drive unit, leading the industry in energy efficiency;
- Strong power: maximum speed  $\geq 7\text{km/h}$  (unladen / laden), 8% (laden), 16% (unladen);
- Long-lasting power and rapid recharge: Powered by a 48V 100Ah battery, it achieves a full charge in just 2 hours, delivering 6-8 hours of continuous operation.

#### Full-scene adaptation

- Key components (motor, controller, brake, bearings, etc.) are rated IP67 for high protection, ensuring reliable operation in damp and dusty conditions;
- Exceptional maneuverability: Feature a small turning radius with only 1595 mm in length with the pedals folded, allowing for free movement in confined spaces;
- Suspended chassis worked with a pressurized lift cylinder design for easy adaptation to varying ground conditions and excellent terrain passability.

#### Safety and reliability

- Automotive-grade lithium iron phosphate battery and battery management system (BMS) adopted, being safe and stable;
- Automotive-grade VCU electrical architecture adopted, with overload and low battery protection to safeguard the entire operation process.

#### Sturdy and durable

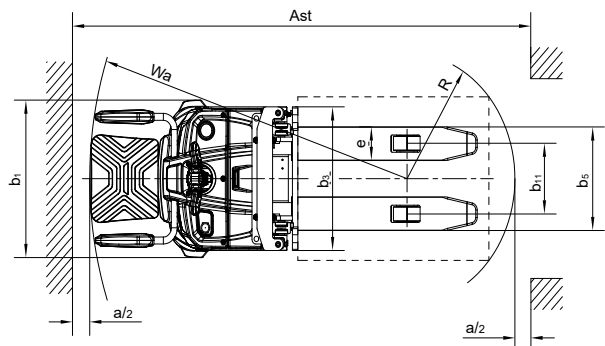
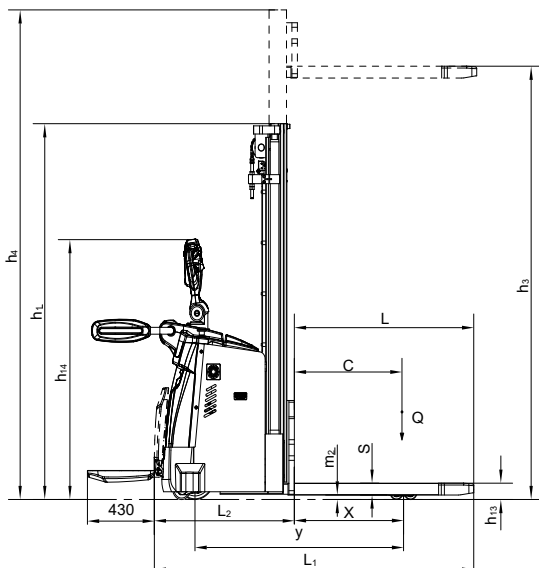
- Five-point support structure with balanced force for stable and reliable driving and operation;
- Double lifting cylinder system, ensuring smooth and stable lifting process of goods;
- Mast is made of 12H channel steel, with strong structure and excellent rigidity.

#### Easy maintenance and comfortable experience

- Service-friendly design: Logical layout with quick-access panels allows for easy maintenance of key components;
- Comprehensive ergonomic design: The operator compartment features a 3-position adjustable steering tiller, 2-position adjustable arm guards, and a floorboard equipped with dual-spring shock absorption. This fully adjustable system accommodates a wide range of operators and significantly reduces ergonomic fatigue.

#### Smart Connectivity

- Integrated with T-BOX and cloud platform to realize intelligent monitoring and management and support real-time interaction between vehicle and cloud data.



# SANY

QUALITY CHANGES THE WORLD

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Due to continuous technical updates, technical parameters and configurations are subject to change without notice. The machine in the picture may include additional equipment. This album is for reference only, subject to actual product.

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