Load Type

Laser SLAM Autonomous Pallet Truck

SFL-CBD15

The Strongest Forklift, Flexible and Efficient

Small Body, 1.5 T in Load Capacity

1.5 T

It is only 932 mm width designed for narrow aisles, with a load capacity up to 1.5 T.

360° Large Field of View, Multiple Security Protection

Support up to 360° scanning range, 40 m detection distance, large field of view for greater safety. With 3D safety obstacle detection laser, distance sensor, hardware self-check, and other features.

3+ Carriers Types, Wide Angle High Precision Recognition

Multi-angle and high-precision identification of multi-size and multi-type pallets, box pallets and shelves, such as euro pallets and non-standard pallets.
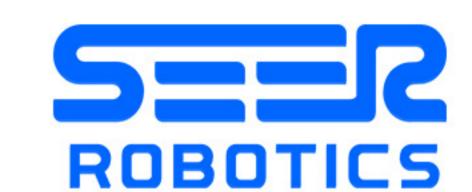
Mapping Up to 400,000 m²

Identification of maps up to 400,000m², easily transcending area restrictions and providing greater handling space and more storage options.

Speed Increase 100% Up to 2 m/s

Maximum 2 m/s running speed, 100% faster than the old model pallet truck.

Quick Charge and Change, Dual Battery and Double Endurance

Supports up to 46 A fast charging. Charging 1 h for single battery can run 4 h~6 h, for dual battery 8 h~10 h running. Quick battery replacement in 3 minutes. Modular battery with global certification. Supports one more battery extension, double endurance.

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Basic parameters

Product name	Laser SLAM Autonomous Pallet Truck
Operation type	Automatic navigation, by manual control device
Navigation type	Laser SLAM
Pallet type	Open pallet
Rated load capacity	1500 kg
Load center distance	600 mm
Weight (with battery)	388 kg
Standard lifting height	205 mm
Forklift dimensions: L x W x H	1712 x 932 x 1902 mm
Fork dimensions: L x W x H	1220 x (170+7) x 75 mm (7 mm wiring panel)
Fork outer width	550 / 600 / 680 mm
Right-angle stacking aisle width, pallet 1000×1200 (1200 placed along the fork)	2252 mm
Right-angle stacking aisle width, pallet 800×1200 (1200 placed along the fork)	2190 mm
Right-angle stacking aisle width, pallet 1000×1000 (1000 placed along the fork)	2224 mm
Minimum turning radius	1524 mm
Ambient temperature and humidity range	TEMP: 0℃ to 50℃ RH: 10% to 90%, no compression, no condensation

Performance parameters

Driving speed: full load / no load	2 / 2 m/s
Passability (slope / step / gap)	< 5% / 10 mm / 30 mm
Navigation position accuracy	±10 mm
Navigation angle accuracy	±1°

Battery parameters

Battery specifications	48 V / 23 Ah (lithium iron phosphate)
Comprehensive battery life	4 to 6 h
Charging time (10% to 80%)	1 h
Charging method	Manual / Automatic

Function configurations

Lidar number	1 (H1) +2 (C2)
Wi-Fi roaming	●
3D obstacle avoidance	○
Pallet recognition	○

Safety configurations

E-stop button	●
Sound and light indicator	●
Braking distance: 1 m/s / 1.5 m/s	≤30 cm / ≤50 cm
360° laser protection	●
Bumper strip	●
Fork height protection	●

Certifications

EMC	●
UN38.3	●

Dimension **(mm)**