SRC INSIDE

Load Type

SFL-CPD20-Y

Laser SLAM Counterbalanced Autonomous Forklift SFL-CPD20-Y

Compact in Size, yet Capable of Carring 2 T Load

1.4 T Ultrasonic Detection, Safe Stacking

Ultrasonic technology detects the separation status between goods and forks in real-time, ensuring safe and secure stacking.

Adjust Fork Width for Different Carriers

Manually adjustable fork width ranges from 400 mm to 700 mm, making it suitable for multiple types of carriers. Our forklift can accurately recognize pallets, shelves and cages of different sizes and types.

1180 mm Narrow AMR Width, 2 T High Load Capacity

With the AMR width of only 1180 mm and a minimum turning radius of 1577 mm, our robot boasts a remarkable load capacity of 2 T. Standing at a standard height of 3 m, it can even be customized to 4 m.

40 m Detection Range, 4-layer Safety Protection

The 40 m detection range provides a broader vision and enhanced safety. Equipped with 3D obstacle avoidance laser, safety edge sensor, distance sensor and hardware self-checks, our robot offers you unparalleled 4-layer safety protection.
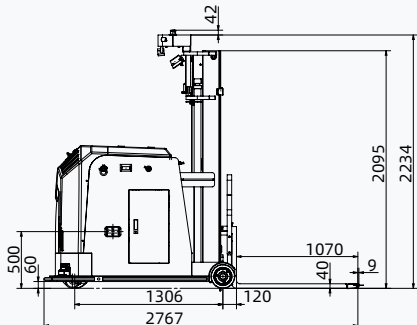
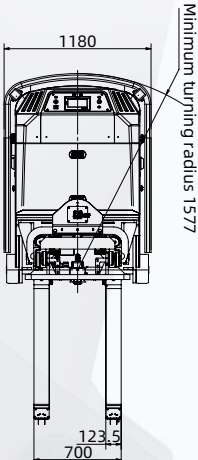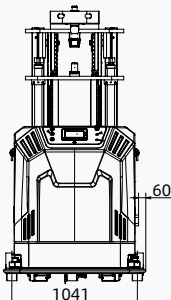### Battery Replacement in 2 Minutes, Fast Charging in 2 Hours

Empower beginners to effortlessly replace the battery in 2 minutes, ensuring worry-free endurance. Equipped with 24 V / 200 Ah battery, it guarantees an impressive 6-hour to 8-hour long endurance. Morever, the 24 V fast charging station can fully charge the robot in just 2 hours.

Flexible Customization with 4 Options

Supports customization of fork width, robot height, color and logo. Tailor-made to meet the diverse requirements of your unique business scenarios.

● Standard ○ Optional	Product model	
Basic parameters	Operation type	Automatic navigation, by manual control device
	Navigation type	Laser SLAM
	Pallet type	Open pallet / closed pallet
	Rated load capacity	2000 kg
	Load center distance	500 mm
	Weight (with battery)	3130 kg
	Standard lifting height	3000 mm
	Forklift dimensions: L x W x H	2767 x 1180 x 2235 mm
	Fork dimensions: L x W x H	1070 x 122 x 40 mm
	Fork outer width	400 mm to 700 mm
	Right-angle stacking aisle width, pallet 1000×1200 (1200 placed	2850+200 mm
	Right-angle stacking aisle width, pallet 800×1200 (1200 placed	2957+300 mm
	Right-angle stacking aisle width, pallet 1000×1000 (1000 placed	2805+300 mm
	Minimum turning radius	1577 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	1.5 m/s
	Passability (slope / step / gap)	< 5% / 10 mm / 30 mm
	Navigation position accuracy	±10 mm
	Navigation angle accuracy	±1°
Battery parameters	Battery specifications	24 V / 200 Ah (lithium iron phosphate)
	Comprehensive battery life	6 to 8 h
	Charging time (10% to 80%)	2 h
	Charging method	Manual / Automatic
Function configurations	Lidar number	1 (FREE H1 / P+F R2000) +3 (FREE C2)
	Wi-Fi roaming	●
	3D obstacle avoidance	○
	Pallet recognition	●
	Cage stack	○
	High shelf pallet recognition	○
	Pallet stack	○
	HMI display	●
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	●
	Global series	Yes
	Product series	SEER Counterbalance Truck

SEER ROBOTICS

Load Type

Laser SLAM Counterbalanced Autonomous Forklift

SFL-CPD30-Y

Superb Load Capacity, Efficient Performance, Flexible Customization

3 T Intelligent High Load Capacity, 7 Flexible Customizations

Featuring a 3 tons superb load capacity, it can support intelligent cargo detachment detection, soft body safety stacking (soft body includes fertilizer bags, particle bags, etc.). Supports 7 flexible customizations, such as size, fork automatic pitch, fork automatic adjustment, manual driving, etc.

AI Deep Learning, Improved Recognition Ability

It boasts the capability to recognize pallets, racks and cages in different colors and sizes with unparalleled precision and adaptability from multiple angles. Experience seamless and stable handling and transfer of goods. Meanwhile, the fork supports an adjustable range of 450 to 750 mm.

Ultrasonic Detection, Safer Stacking

Ultrasonic technology provides real-time online detection of the separation status between goods and forks, ensuring safe stacking.

40 m Detection Range, 4-layer Safety Protection

The 40 m detection range provides a broader vision and enhanced safety. Equipped with 3D obstacle avoidance laser, safety edge sensor, distance sensor and hardware self-inspection, our robot offers you unparalleled 4-layer safety protection.

10 h Endurance, 3-min Fast Battery Swap

Enable beginners to effortlessly replace batteries in 3 minutes, equipped with a 48 V / 300 Ah battery that can guarantee a long endurance of 8 h to 10 h, ensuring worry-free endurance.

Basic parameters

Product name	Laser SLAM Counterbalanced Autonomous Forklift
Operation type	Automatic navigation, by manual control device
Navigation type	Laser SLAM
Pallet type	Open pallet / closed pallet
Rated load capacity	3000 kg
Load center distance	500 mm
Weight (with battery)	4700 kg
Standard lifting height	3000 mm
Forklift dimensions: L x W x H	3295 x 1420 x 2468 mm
Fork dimensions: L x W x H	1070 x 125 x 45 mm
Fork outer width	450 mm to 750 mm
Right-angle stacking aisle width, pallet 1000×1200 (1200 placed along the fork)	3372+200 mm
Right-angle stacking aisle width, pallet 800×1200 (1200 placed along the fork)	3341+300 mm
Right-angle stacking aisle width, pallet 1000×1000 (1000 placed along the fork)	3185+300 mm
Minimum turning radius	1883 mm
Ambient temperature and humidity range	TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation

Performance parameters

Driving speed: full load / no load	1.3 / 1.5 m/s
Passability (slope / step / gap)	<3% / 10 mm / 30 mm
Navigation position accuracy	±10 mm
Navigation angle accuracy	±1°

Battery parameters

Battery specifications	48 V / 300 Ah
Comprehensive battery life	8 to 10 h
Charging time (10% to 80%)	3 to 4 h
Charging method	Manual / Automatic

Function configurations

Lidar number	1 (H1) +3 (C2) or 1 (P+F R2000) +3 (C2)
Wi-Fi roaming	●
3D obstacle avoidance	O
Pallet recognition	●
Cage stack	O
High shelf pallet recognition	O
Pallet stack	O
HMI display	●

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	●

Dimension   (mm)