

Product model		SFL-CPD20-Y
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	2000 kg
	Load center distance	500 mm
	Weight (with battery)	2675 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	250 mm-700 mm
	Right-angle stacking aisle width, pallet 1000×1200 (1200 placed along the fork)	2850+200 mm
	Right-angle stacking aisle width, pallet 800×1200 (1200 placed along the fork)	2957+300 mm
	Right-angle stacking aisle width, pallet 1000×1000 (1000 placed along the fork)	2805+300 mm
	Minimum turning radius	1577 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	1.5 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 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	●