

Product model		SFL-CDD14	SFL-CDD14-CE
Basic parameters	Product name	Laser SLAM Small Stacker Autonomous Forklift	Laser SLAM Small Stacker Autonomous Forklift
	Operation type	Automatic navigation, by manual control device	Automatic navigation, by manual control device
	Navigation type	Laser SLAM	Laser SLAM
	Pallet type	Open pallet	Open pallet
	Rated load capacity	1400 kg	1400 kg
	Load center distance	600 mm	600 mm
	Weight (with battery)	680 / 740 kg	680 / 740 kg
	Standard lifting height	1600 / 3000 mm	1600 / 3000 mm
	Forklift dimensions: L x W x H	FREE / P+F: 1710 x 989 x 1998 / 1710 x 989 x 2247 mm	P+F: 1722 x 951 x 2064 / 1722 x 951 x 2234 mm SICK: 1722 x 951 x 2042 / 1722 x 951 x 2234 mm
	Fork dimensions: L x W x H	1220 x 180 x 70 mm	1220 x 180 x 70 mm
	Fork outer width	570 / 680 mm	555 / 570 / 680 mm
	Right-angle stacking aisle width, pallet 1000x1200 (1200 placed along the fork)	1951+200 mm	1966+200 mm
	Right-angle stacking aisle width, pallet 800x1200 (1200 placed along the fork)	1885+200 mm	1911+200 / 1914+200 / 1936+200 mm
	Right-angle stacking aisle width, pallet 1000x1000 (1000 placed along the fork)	1822+200 mm	1911+200 / 1914+200 / 1936+200 mm
	Minimum turning radius	1227+200 mm	1206+200 mm
Ambient temperature and humidity range	TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation	TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation	
Performance parameters	Driving speed: full load / no load	1.2 / 1.5 m/s	1.2 / 1.5 m/s
	Passability (slope / step / gap)	< 5% / 5 mm / 15 mm	< 5% / 5 mm / 15 mm
	Navigation position accuracy	±10 mm	±10 mm
	Navigation angle accuracy	±0.5°	±0.5°
Battery parameters	Battery specifications	24 V / 210 Ah (lithium iron phosphate)	24 V / 180 Ah (lithium iron phosphate)
	Comprehensive battery life	10 h	10 h
	Charging time (10% to 80%)	2 h	2 h
	Charging method	Manual / Automatic	Manual / Automatic
Function configurations	Lidar number	1 (FREE H1 / P+F R2000-25M) +3 (FREE C2)	1 (SICK nanoScan3 Core / P+F OMD30M-R2000-B23-V1V1D-HD-1L) +3 (2 (SICK nanoScan3 Core) +1 (OLEI LR-1BS2H))
	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	≤30 cm / ≤50 cm
	360° laser protection	●	●
	Bumper strip	●	-
	Fork height protection	●	●
Certifications	ISO 3691-4	-	●
	EMC	●	●
	UN38.3	●	●
Product series		SEER Stack Truck	SEER Stack Truck