






Smart Forklifts Parameter						
● Standard ○ Optional — None			CE			
Product name		SFL-CDD14	SFL-CDD14-CE	SFL-CBD15	SFL-CDD16	SFL-CPD15-T
Technical parameters	Product name	Laser SLAM small stacker smart forklift	Laser SLAM small stacker smart forklift	Laser SLAM ground smart forklift	Laser SLAM stacker smart forklift	Laser SLAM counterbalanced smart forklift
	Driving mode	Automatic navigation, handheld driving	Automatic navigation,handheld driving	Automatic navigation, handheld driving	Automatic navigation, handheld driving	Automatic navigation, car driving
	Navigation type	Laser SLAM	Laser SLAM	Laser SLAM	Laser SLAM	Laser SLAM
	Tray type	3-stringer pallet	3-stringer pallet	3-stringer pallet	3-stringer pallet	3-stringer pallet / Field pallet
	Rated load capacity (kg)	1400	1400	1500	1600	1500
	Dead weight (with battery) (kg)	680/740	680/740	388	1090	2325
	Navigation position accuracy*(mm)	±10	±10	±10	±10	±10
	Navigation angle accuracy* (°)	±0.5	±0.5	±1	±0.5	±0.5
	Fork in-position accuracy (mm)	±10	±10	-	±10	±10
	Standard lifting height (mm)	1600/3000	1600/3000	120	3000	3300
	Vehicle size: length * width * height (mm)	1640*989*2060/2226	1722*951*2234	1644*932*1991	1832*1050*2040	2609*1187.5*2326
	Fork size: length * width * height (mm)	1150*180*55	1220*180*55	1150x170x70	1220*185*55	950*100*40
	Fork outer width (mm)	570/680	570/680	570	600	215-750
	Right-angle stacking channel width, pallet 1000x1200 (1200 placed across forks) (mm)	1887+200	1913+200	2208	-	2819+200
	Right-angle stacking channel width, pallet 800x1200 (1200 placed along the fork) (mm)	1830+200	1860+200	2117	2230+200	2666+200
Minimum turning radius (mm)	1180+200	1206+200	1453	1340+200	1514+200	
Performance parameters	Driving speed: full load/no load (m/s)	1.2/1.5	1.2/1.5	2/2	2/2	1.38/1.38
	Lifting speed: full load/no load (mm/s)	115/170	115/170	30/35	100/180	95/120
	Lowering speed: full load/no load (mm/s)	160/125	160/125	40/25	245/230	120/85
Wheel parameters	Wheel number: driving wheel/ balance wheel/ bearing wheel	1/2/4	1/2/4	1/2/4	1/2/4	1/2/2
Battery parameters	Battery specifications (V/Ah)	24/180 (Lithium Iron Phosphate)	24/180 (Lithium Iron Phosphate)	48/23 (Lithium iron phosphate)	24/173 (Lithium iron phosphate)	24/270 (Lithium Iron Phosphate)
	Battery weight (kg)	58	58	15	60	230
	Comprehensive battery life (h)	10	10	6-8	8-10	10
	Charging time (10%-80%) (h)	2	2	1	2	2.5
	Charging method	Manual/Automatic	Manual/Automatic	Manual/Automatic	Manual/Automatic	Manual/Automatic
Certifications	ISO 3691-4	-	●	-	-	-
	EMC/ESD	●	●	-	●	●
	UN38.3	●	●	-	●	●
Function configurations	Wi-Fi roaming function	●	●	●	●	●
	3D obstacle detection	○	○	○	○	○
	Pallet recognition	○	○	○	○	○
	Cage stack	○	○	-	○	○
	High shelf pallet recognition	○	○	-	○	○
	Pallet damage detection	○	○	○	○	○
	Pallet stacking and unstacking	○	○	-	○	○
Safety configurations	E-stop button	●	●	●	●	●
	Sound and light indicator	●	●	●	●	●
	360° laser protection	●	●	●	●	●
	Bumper strip	●	-	●	●	●
	Fork height protection	●	●	●	●	●

* Navigation accuracy usually refers to the repeatability accuracy that a robot navigates to the station.