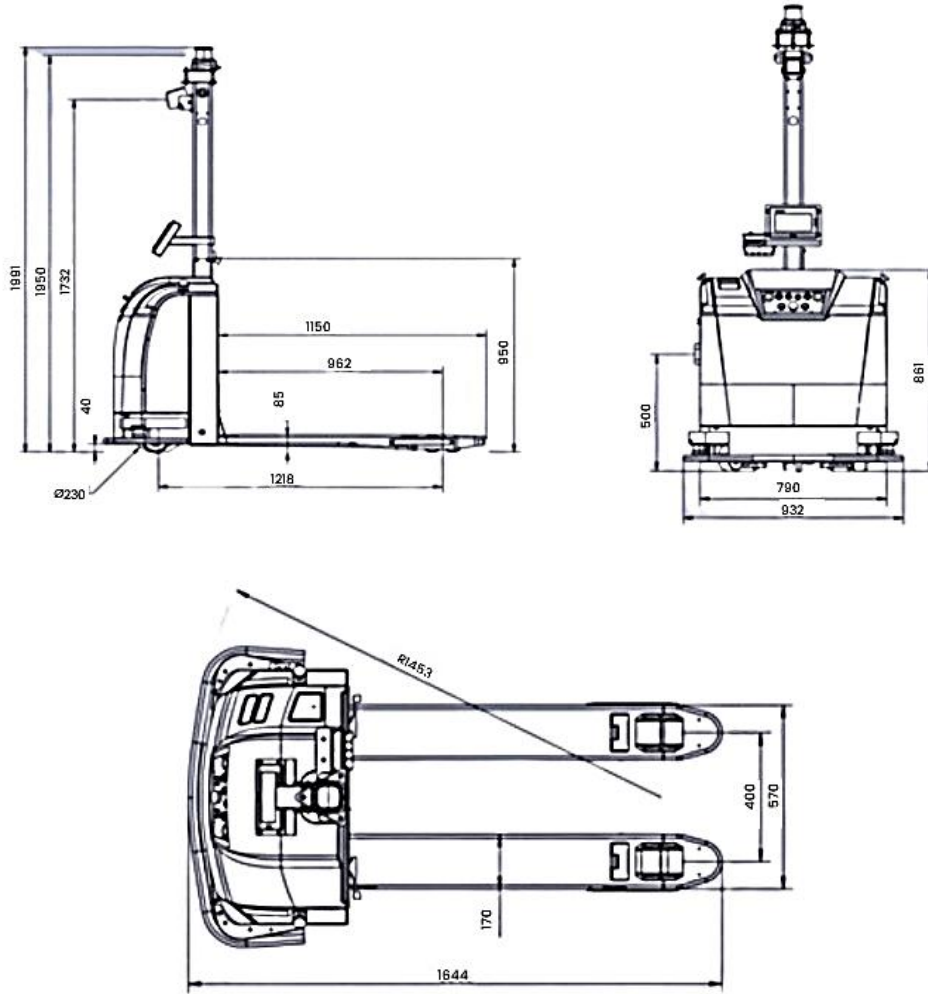


Autonomous Ground Smart Forklift-R1500F-CBD

LiDAR SLAM Navigation + 1500KG Payload



Dimension



Specification	
Technical Parameters	
Name	Autonomous Ground Smart Forklift-R1500F-CBD
Navigation type	Laser SLAM
Tray type	3-stringer pallet
Rated load capacity	1500 kg
Load center distance	600 mm
Wheelbase	1218 mm
Dead weight (with battery)	388 kg
Navigation position accuracy	±10 mm
Navigation angle accuracy Standard lifting height	120 mm
Fork surface ground clearance (at the lowest position)	85 mm
Navigation laser scanning height	1950 mm
Vehicle size (L x W x H)	1644 x 932 x 1991 mm
Fork size (L x W x H)	1150 x 170 x 70 mm
Fork outer width	570 mm
Right-angle stacking channel width, pallet 1000×1200 (1200 placed across forks)	2208 mm
Right-angle stacking channel width, pallet 800×1200 (1200 placed along the fork)	2117 mm
Right-angle stacking channel width, pallet 800×1000 (1000 placed along the fork)	2154 mm
Map area (Single)	≤400000 m ²
Minimum turning radius	1453 mm
Performance Parameters	
Driving speed (full load/no load)	2/2 m/s
Lifting speed (full load/no load)	30/35 mm/s
Lowering speed (full load/no load)	40/25 mm/s
Possibility (slope/step/gap)	5% / 10 mm/ 30 mm
Wheel Parameters	
Tire type (driving wheel/supporting wheel)	Polyurethane
Tire size (driving wheel)	230 x 75 mm
Tire size (bearing wheel)	84 x 80 mm
Tire size (balance wheel)	115 x 55 mm
Wheel number (driving wheel/balance wheel/bearing wheel)	1/2/4
Wheel base (bearing side)	400 mm
Battery Parameters	
Battery specifications	DC48V / 23Ah (Lithium iron phosphate)
Battery weight	15 kg
Comprehensive battery life	6-8 hr.
Charging parameters	48V/1C
Charging time (10%-80%)	1 hr.
Charging method	Manual/Automatic
Battery cycle number	>3000 times
Function Parameters	
Lidar number	1 (H1E0-03B) +2 (C213)
Wi-Fi roaming function	Standard
3D obstacle avoidance	Optional
Remote emergency stop	Optional
Pallet recognition	Optional
Cage stack	None
High shelf pallet recognition	None
Pallet damage detection	Optional
Pallet stacking and unstacking	None

Specification	
Safety Parameters	
E-stop button	Standard
Sound and light indicator	Standard
Braking distance (1m/s/1.5m/s)	≤40 cm / ≤50 cm
Vehicle hardware fault detection	Standard
360° laser protection	Standard
Bumper strip	Standard
Fork teeth height protection	Standard
Other	
Network	4G/5G/Wi-Fi 802.11 a/b/g/n/ac