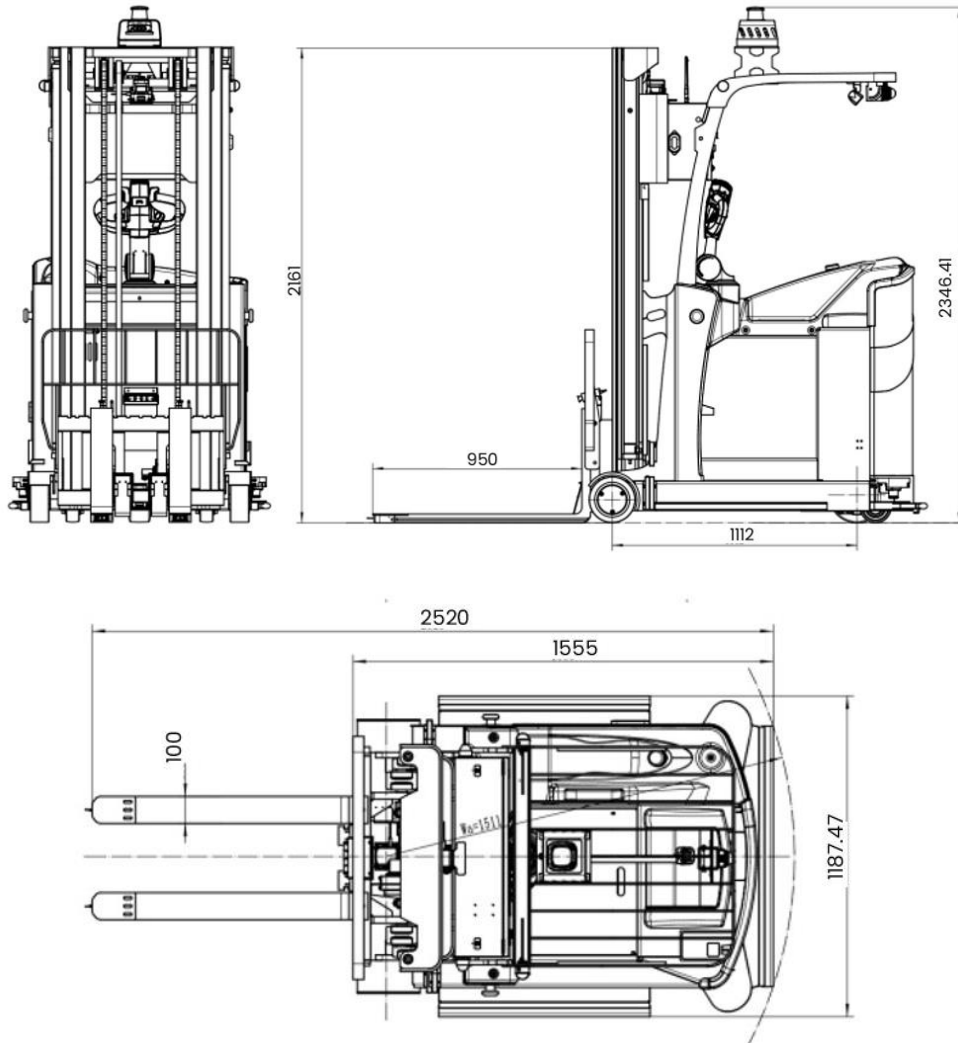


**Automatic Counterbalanced Stack Forklift R1500F-CBH24**  
**LiDAR SLAM Navigation+1500KG Payload**



**Dimension**



<b>Specification</b>	
<b>Basic parameters</b>	
Name	Autonomous Forklift-R1500F-CBH24
Operation type	Automatic navigation, seated driving
Navigation type	Laser SLAM
Pallet type	Open Pallet / Closed Pallet
Rated load capacity	1500 kg
Load center distance	500 mm
Weight (with battery)	2325 kg
Standard lifting height	3300 mm
Forklift dimensions (L x W x H)	P+F / FREE: 2520 x 1187 x 2346 / 2520 x 1187 x 2326 mm
Fork dimensions (L x W x H)	950 x 100 x 40 mm
Fork outer width	215~750 mm
Right-angle stacking aisle width, pallet 1000×1200 (1200 placed along the fork)	2943+200 mm
Right-angle stacking aisle width, pallet 800×1200 (1200 placed along the fork)	2911+200 mm
Right-angle stacking aisle width, pallet 1000×1000 (1000 placed along the fork)	2477+200 mm
Minimum turning radius	1511+200 mm
Ambient temperature and humidity range	TEMP: 0°C to 50°C / RH: 10% to 90%. no compression, no condensation
<b>Performance Parameters</b>	
Driving speed full load / no load	1.38/1.38 m/s
Possibility (slope / step / gap)	<5%/10 mm / 30 mm
Navigation position accuracy	±10 mm
Navigation angle accuracy	±0.5°
<b>Battery Parameters</b>	
Battery specifications	DC24V / 250Ah (lithium iron phosphate)
Comprehensive battery life	10 hr.
Charging time (10 to 80%)	2.5 hr.
Charging method	Manual/Automatic
<b>Safety Parameters</b>	
E-stop button	✓
Sound and light indicator	✓
Braking distance 1 m/s / 1.5 m/s	≤30 / ≤50
Vehicle hardware fault detection	✓
360° laser protection	✓
Bumper strip	✓
Fork height protection	✓
<b>Functions</b>	
Lidar number	1 (P+F R2000 / FREE H1) +3 (FREE C2)
Wi-Fi roaming	✓
3D obstacle avoidance	Optional
Pallet recognition	✓
Cage stack	Optional
High shelf pallet recognition	Optional
Pallet stack	Optional
HMI display	✓
<b>Certifications</b>	
EMC	✓
UN38.3	✓
EMC	✓