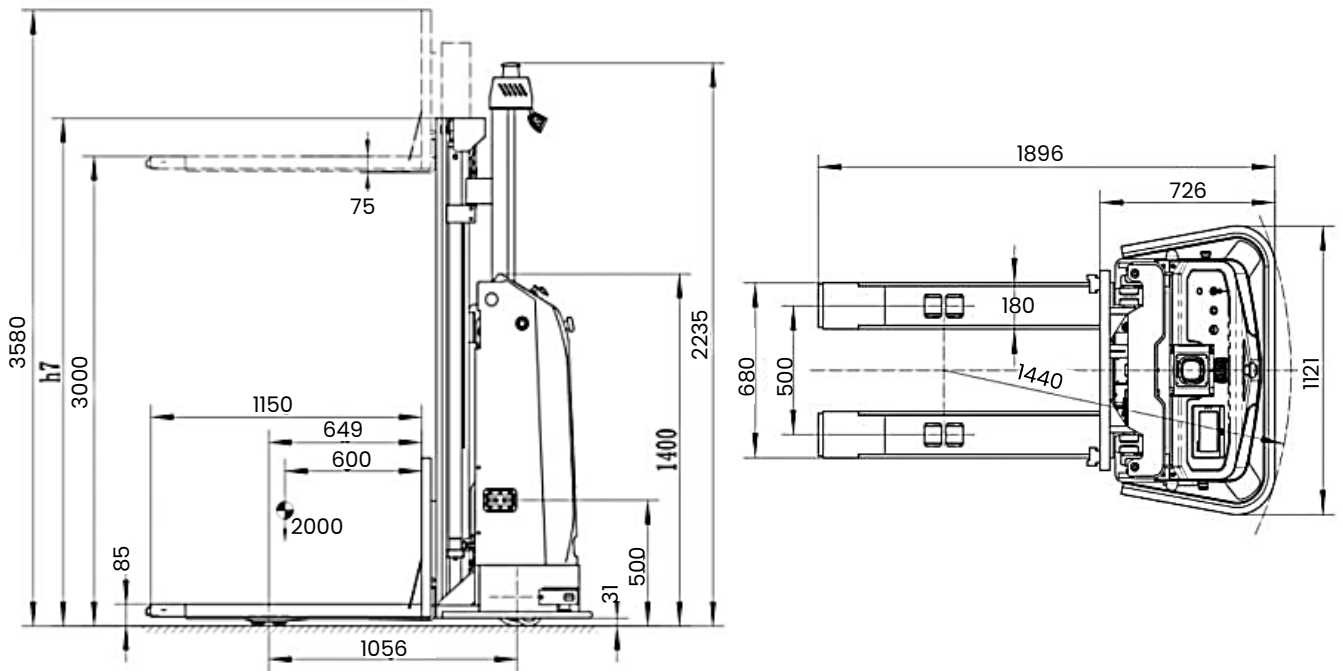


# **Autonomous Forklift R2000F-LH25**

**LiDAR SLAM Navigation + 2000KG Payload**



## Dimension



## Specification

Rated load capacity	Q	2000 kg
Load center distance	C	600 mm
Front Edge Distance	x	649 mm
Wheelbase	y	1056 mm
Wheel Size, Drive Wheel	$\phi \times W$	$\phi 230 \times 75$ mm
Wheel Size, Load Wheel	$\phi \times W$	$\phi 80 \times 65$ mm
Wheel Size, Balance Wheel	$\phi \times W$	$\phi 115 \times 55$ mm
Wheel Track, Drive Side	b10	630 mm
Wheel Track, Load Side	b11	500 mm
Total Height	h1	2235 mm
Free Lift Height	h2	0 mm
Lifting Height	h3	3000 mm
Mast Extended Height	h4	3580 mm
Fork Face Ground Clearance (Fork at Lowest Position)	h5	85 mm
Charging Brush Plate Ground Clearance	h6	500 mm
Total Length	L1	1896 mm
Body Fork Length (Excluding Forks)	L2	726 mm
Total Width	b1	1121 mm
Fork Dimensions (Length/Width/Thickness)	l/e/s	1150/180/75 mm
Fork (Outer Width)	b5	680 mm
Minimum Ground Clearance	m1	31 mm
Minimum Turning Radius	Wa	1440 mm
Minimum Right-Angle Stacking Aisle Width	Ast	2060+200 mm
Right-Angle Stacking Aisle Width (Pallet 1000×1200, 1200 Along Forks)	Ast	2185+200 mm

<b>Specification</b>	
<b>Basic parameters</b>	
Name	Autonomous Forklift R2000F-LH25
Navigation mode	LiDAR SLAM
Powering method	Electric
Self-weight (Including Battery)	1200 Kg
Axle Load at Full Load, Drive Side/Load Side	1020/2180 Kg
Axle Load at No Load, Drive Side/Load Side	940/260 Kg
Wheel Type	Wheel Type
Number of Wheels, Drive Side (x=Drive Wheel)/Load Side	1x-2/4
<b>Performance Parameters</b>	
Travel Speed (Loaded/Unloaded)	5/5 Km/h
Lifting Speed (Loaded/Unloaded)	90/120 mm/s
Lowering Speed (Loaded/Unloaded)	120/110 mm/s
Gradeability (Loaded/Unloaded)	3/5 %
Braking System	Electromagnetic Brake
<b>Motor Parameters</b>	
Drive Motor Power	1.5 Kw
Lift Motor Power	3 Kw
Steering Motor Power	0.4 Kw
Battery Type	Life PO <sub>4</sub>
Battery Voltage/Rated Capacity	21/210
Battery Weight	58 Kg
<b>Other</b>	
Operator Ear Noise Level	≤75 dB(A)