### REACH STACKER AB-FLB-RS14

### ATOMBOTIX



#### Slim Size & Compact Manuver



Super compact space requirement allows more available space of the warehouse and less requirement for the isle

**Open Design and Protocols** 



# Open mechanical & electrical database, open control protocol

#### **Cost Competitve & Modular Design**

With market proven supply chain, it is perfect for prototypes & scaling

#### Fully electric, Optimizaed for Automation



Motor/Driver/Encoder included

#### **Lithium-ion Powered**



Built-in LFP battery, modular design, longer battery life, faster charging, higher capacity availability

#### **Pre-Designed Sensor Brackets**



Ensured consistency, no need for self modification

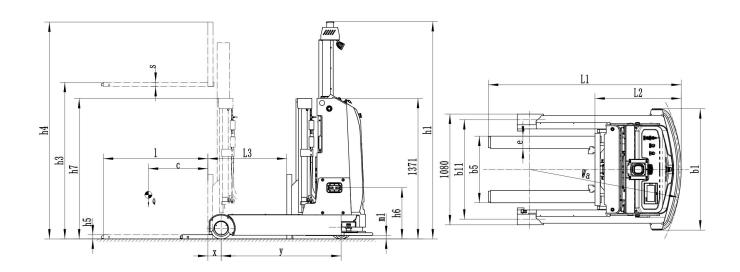
Model	AB-FLB-OS10
Feature	
Power Type	Electric
Driving Style	AGV
Rated Load Capacity (Q)	1000 kg
Load Center Distance (C)	600 mm
Front Suspension Distance (x)	907 mm
Wheelbase (y)	1146 mm
Weight	
Self Weight (Including Battery)	770 kg
Bridge Load at Full Load, Driving Side/Load-Bearing Side	910/860 kg
Bridge Load When Unloaded, Driving Side/Load- Bearing Side	640/130 kg

### ATOMBOTIX

Wheel		
Tire Type	Polyurethane	
Tire Size, Drive Wheel	Ф230×75 mm	
Tire Size, Load-Bearing Wheels	Φ75×32 mm	
Tire Size, Balance Wheel	Ф115×55 mm	
Number of Wheels, Drive Side (X=Drive Wheels)/	2 2/4	
Load-Bearing Side	1x-2/4	
Track Width, Drive Side (b10)	538 mm	
Track Width, Load-Bearing Side (b11)	470 mm	
Basic Dimensions		
Total Height (h1)	2035 mm	
Total Width	980 mm	
Total Length (L1)	1644 mm	
Vehicle Length (Excluding Fork) (L2)	475 mm	
Free Lifting Height (h2)	0	
Lifting Height (h3)	1600 mm	
Door Frame Deployment Height (h4)	2075 mm	
Fork Surface Minimum Height(When the Fork is at its	100 mm	
Lowest) (h5)	100 mm	
Charging Pad Height (h6)	500 mm	
Fork Size (l/e/s)	1150/210/60 mm	
Fork Outer Width (b5)	680 mm	
Min. Ground Clearance of The Vehicle Body (m1)	31.5 mm	
Min. Turning Radius (Wa)	1433 mm	
Min. Right Angle Stacking Channel Width	1644+2000 mm	
Right Angle Stacking Aisle Width, Pallet 800×1200		
(1200 Placed Along The Fork)		
Right Angle Stacking Aisle Width, Pallet 1000×1000		
(1200 Placed Along The Fork)		
Right Angle Stacking Channel Width, Pallet 1000 ×1200		
(1200 Placed Along The Fork)	1675+200 mm	
Max. Lifting Height	3000 mm	
Performance		
Driving Speed, Full Load/Empty Load	5/5 km/h	
Lifting Speed, Full Load/Empty Load	115/170 mm/s	
Descent Speed, Full Load/Empty Load	160/125 mm/s	
Climbing Performance, Full Load/Empty Load	3%/5%	
Driving Brake Mode	Electromagnetic braking	

## ATOMBOTIX

Motor	
Drive Motor Power	1.5 kw
Power of Lifting Motor	3.8 kw
Steering Motor Power	0.4 kw
Battery Type	Llithium iron phosphate
Drive Motor Type	24 V asynchronous AC motor
Steering Motor Type	48 V DC Servo motor
Lifting Mechanism	Hydraulic control
Communication Protocol	CAN
Battery	
Weight of Battery	58 kg
Battery Type	Lithium iron phosphate
Battery Voltage/Rated Capacity	48/105 V/AH





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