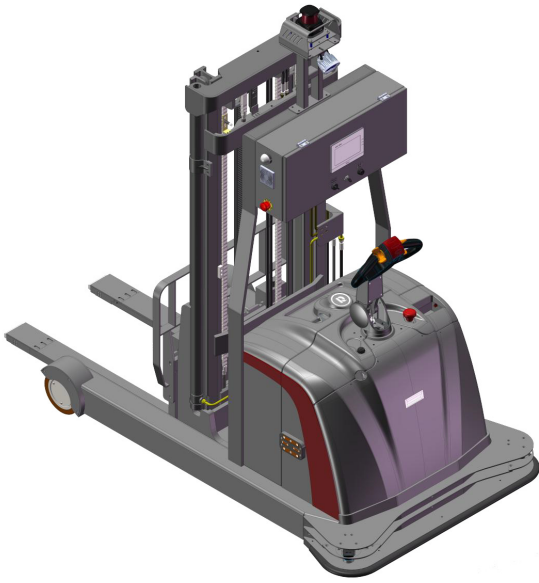


# REACH STACKER

AB-FLB-RS20 II & AB-FLB-RS20III

# ATOMBOTIX



## Cost Competitive & 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

## 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

Model	AB-FLB-RS20 II	AB-FLB-RS20III
<b>Feature</b>		
Power Type	Electric	
Driving Style	AGV	
Rated Load Capacity (Q)	2000 kg	
Load Center Distance (C)	500 mm	
Front Suspension Distance (x)	124 mm	134 mm
Wheelbase (y)	1470 mm	1570 mm
<b>Weight</b>		
Self Weight (Including Battery)	2130	2320
Bridge Load at Full Load, Driving Side/Load-Bearing Side	1330/2800	1800/2520
Bridge Load When Unloaded, Driving Side/Load-Bearing Side	1415/715	1460/780

<b>Wheel</b>		
Tire Type	Polyurethane	
Tire Size, Drive Wheel	Φ230×75 mm	
Tire Size, Load-Bearing Wheels	Φ210×85 mm	
Tire Size, Balance Wheel	Φ140×60 mm	
Number of Wheels, Drive Side (X=Drive Wheels)/Load-Bearing Side	1x-2/2	
Track Width, Drive Side (b10)	696 mm	
Track Width, Load-Bearing Side (b11)	985 mm	
<b>Basic Dimensions</b>		
Total Height (h1)	2232 mm	
Total Width	1249 mm	
Total Length (L1)	2465 mm	2570 mm
Free Lifting Height (h2)	0	1540 mm
Vehicle Length (Excluding Fork) (L2)	2008 mm	2108 mm
Lifting Height (h3)	2500 mm	4500 mm
Door Frame Deployment Height (h4)	3340 mm	5340 mm
Fork Surface Min. Height(When the Fork is at its Lowest) (h5)	50 mm	
Charging Pad Height (h6)	500 mm	
Fork Size (l/e/s)	1020/120/40 mm	
Fork Outer Width (b5)	250-750 mm	
Min. Ground Clearance of the Vehicle Body	50 mm	
Min. Turning Radius (Wa)	1955 mm	2055 mm
Min. Right Angle Stacking Channel Width	2610+200 mm	2715+200 mm
Right Angle Stacking Aisle Width, Pallet 800×1200	/	
Right Angle Stacking Aisle Width, Pallet 1000×1000	2687+200 mm	2792+200 mm
Right Angle Stacking Channel Width, Pallet 1000 × 1200	/	
<b>Performance</b>		
Driving Speed, Full Load/Empty Load	5/5 km/h	
Lifting Speed, Full Load/Empty Load	95/120 mm/s	
Descent Speed, Full Load/Empty Load	120/85 mm/s	
Climbing Performance, Full Load/Empty Load	5/8	
Driving Brake Mode	Electromagnetic braking	

<b>Motor</b>	
Drive Motor Power	3.0 kW
Power of Lifting Motor	3.0 kW
Steering Motor Power	0.6 kW
Drive Motor Type	24 V asynchronous AC motor
Steering Motor Type	24 V DC Servo motor
Lifting Mechanism	Hydraulic control
Communication Protocol	CAN
<b>Battery</b>	
Weight of Battery	58 kg
Battery Type	Lithium iron phosphate
Battery Voltage/Rated Capacity	24/210 V/Ah

