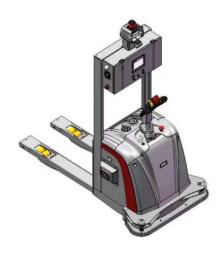
REACH STACKER

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

ATOMBOTIX



Cost Competitve & Modular Design



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

Fully Electric, Optimizaed for Automation



Motor/Driver/Encoder included

Slim Size & Compact Manuver



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

Lithium-ion Powered



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

Open Design and Protocols



Open mechanical & electrical database, open control protocol

Pre-Designed Sensor Brackets



Ensured consistency, no need for self modification

Model	AB-FLB-RS20 II	AB-FLB-RS20III	
Feature			
Power Type	Electric		
Driving Style	AGV		
Rated Load Capacity (Q)	2000 kg		
Load Center Distance (C)	600 mm		
Front Suspension Distance (x)	649 mm		
Wheelbase (y)	1301 mm	1391 mm	
Weight			
Self Weight (Including Battery)	/		
Bridge Load At Full Load, Driving Side/Load-Bearing	/		
Side	/		
Bridge Load When Unloaded, Driving Side/Load-Bearing			
Side	/		

ATOMBOTIX

Wheel		
Tire Type	Polyurethane	
Tire Size, Drive Wheel	Ф230×75 mm	
Tire Size, Load-Bearing Wheels	Ф80×80 mm	
Tire Size, Balance Wheel	Ф115×55 mm	
Number of Wheels, Drive Side (X=Drive Wheels)/Load-	1 2/4	
Bearing Side	1x-2/4	
Track Width, Drive Side (b10)	690 mm	
Track Width, Load-Bearing Side (b11)	500 mm	
Basic Dimensions		
Total Height (h1)	2180 mm	
Total Width	0	1585 mm
Total Length (L1)	3000 mm	4500 mm
Vehicle Length (Excluding Fork) (L2)	3580 mm	5080 mm
Free Lifting Height (h2)	85 mm	
Lifting Height (h3)	500 mm	
Door Frame Deployment Height (h4)	2197 mm	2287 mm
Fork Surface Min. Height(When the Fork is at its Lowest) (h5)	1027 mm	1117 mm
Charging Pad Height (h6)	1161 mm	
Fork Size (l/e/s)	1150/180/55 mm	
Fork Outer Width (b5)	680 mm	
Min. Ground Clearance of The Vehicle Body (m1)	31.5 mm	
Min. Turning Radius (Wa)	1736 mm	1826 mm
Min. Right Angle Stacking Channel Width	2355+200 mm	2455+200 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)	2480+200 mm	2570+200 mm
Max. Lifting Height	3000 mm	
Performance	-	
Driving Speed, Full Load/Empty Load	5/5 km/h	
Lifting Speed, Full Load/Empty Load	90/120 mm/s	
Descent Speed, Full Load/Empty Load	120/110 mm/s	
Climbing Performance, Full Load/Empty Load	5/8	
- ' '	Electromagnetic braking	

ATOMBOTIX

Motor	
Drive Motor Power	1.5 kw
Power of Lifting Motor	3.0 kw
Steering Motor Power	0.4 kw
Battery Type	Lithium 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	24/210 V/AH

