COMPACT STACKER

AB-FLB-CS14(24/48V)

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

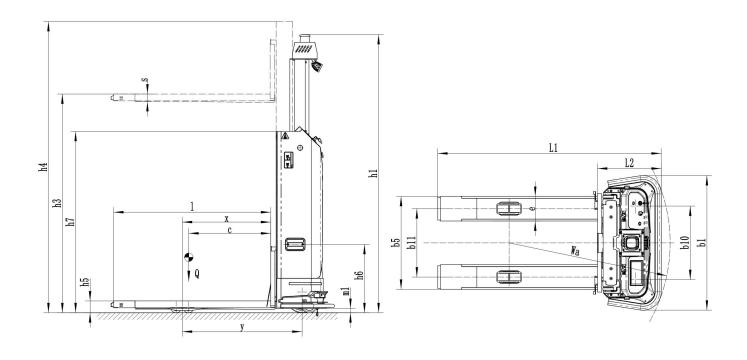
Model	AB-FLB-CS14 (24V)	AB-FLB-CS14 (48V)		
Feature	1.2 1.22 2311 (2.11)	7.5 1.25 6611 (161)		
Power Type	Electric			
Driving Style	AGV	AGV		
Rated Load Capacity (Q)	1400 kg	1400 kg		
Load Center Distance (C)	600 mm	600 mm		
Front Suspension Distance (x)	648 mm	648 mm		
Wheelbase (y)	877 mm			
Weight				
Self Weight (Including Battery)	680 kg	680 kg		
Axle Load (Full Load), Driving Side/Load-	730/1350 kg			
Bearing Side				
Axle Load (Empty load), Driving Side/Load-	450/230 kg			
Bearing Side				

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Wheel		
Tire Type	Polyurethane	
Tire Size, Drive Wheel	Ф230×75 mm	
Tire Size, Load-Bearing Wheels	Ф80×54 mm	
Tire Size, Balance Wheel	Ф115×55 mm	
Number of Wheels, Drive Side (x=Drive	1x-2/4	
Wheels)/Load-Bearing Side		
Front Wheel Track, Drive Side (b10)	538 mm	
Rear Wheel Track, Load-Bearing Side (b11)	500 mm	
Basic Dimensions		
Total Height (h1)	2035 mm	
Total Width	985 mm	
Total Length (L1)	1637 mm	
Vehicle Length (Excluding Fork) (L2)	467 mm	
Free Lifting Height (h2)	0 mm	
Lifting Height (h3)	1600 mm	
Extended Mast Min. Height (h4)	2085 mm	
Fork Surface Min. Height (When the Fork is	85 mm	
at its Lowest) (h5)		
Charging Pad Height (h6)	500 mm	
Fork Size (l/e/s)	1150/180/55 mm	
Fork Outer Width (b5)	680 mm	
Min. Ground Clearance (m1)	31.5 mm	
Min.Turning Radius (Wa)	1180 mm	
Min. Right Angle Stacking Aisle Width	1800+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 Aisle Width, Pallet 1000×	1925+200 mm	
1200 (1200 Placed Along The Fork)		
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	

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Motion			
Drive Motor Power	1.25 kw	1.5 kw	
Power of Lifting Motor	3.0 kw	3.8 kw	
Steering Motor Power	0.4 kw	0.4 kw	
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	58kg		
Battery Type	Lithium iron phosp	Lithium iron phosphate	
Battery Voltage/Rated Capacity	24/210 V/AH	48/105 V/AH	









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