

COUNTER BALANCE

AB-FLB-CB15 II & AB-FLB-CB15III

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-CB15 II	AB-FLB-CB15III
Feature		
Power Type	Electric	
Driving Style	AGV	
Rated Load Capacity (Q)	1500 kg	
Load Center Distance (C)	500 mm	
Front Suspension Distance (x)	133 mm	
Wheelbase (y)	1000 mm	
Weight		
Self Weight (including battery)	2700 kg	2850 kg
Bridge Load at full load,Driving Side/Load-bearing Side	/	
Bridge Load When Unloaded, Driving Side/Load-bearing Side	/	

Wheel		
Tire Type	Polyurethane	
Tire Size, Drive Wheel	Φ254 × 100 mm	
Tire Size, Load-Bearing Wheels	Φ210 × 85 mm	
Tire Size, Balance Wheel	/	
Number of Wheels, Drive Side (x=Drive Wheels)/Load-Bearing Side	1×/2	
Front Wheel Track , Drive Side (b10)	909 mm	
Rear Wheel Track, Load-Bearing Side (b11)	/	
Basic dimensions		
Total Height (h1)	2002 mm	
Total Width	1129 mm	
Total Length (L1)	2447 mm	
Free Lifting Height (h2)	0	1540 mm
Lifting Height (h3)	3000 mm	4500 mm
Extended Mast Min. Height (h4)	3840 mm	5340 mm
Fork Surface Min. Height (When The Fork Is At Its Lowest)(h5)	50 mm	
Charging Pad Height (h6)	500 mm	
Fork Tilt Angle, Forward/Backward Tilt	0	
Vehicle Length (Excluding Fork)	1392 mm	
Fork Size (l/e/s)	950/100/40 mm	
Fork Outer Width (b5)	250-764 mm	
Min. Ground Clearance (m1)	50 mm	
Min. Turning Radius (Wa)	1357 mm	
Mini. Right Angle Stacking Aisle Width	2570+200 mm	
Right Angle Stacking Aisle Width, Pallet 800×1200 (1200 Placed Along the Fork)	/	
Right Angle Stacking Aisle Width, Pallet 1000×1000	2600+200 mm	
Right Angle Stacking Aisle Width, Pallet 1000×1200 (1200 Placed Along the Fork)	/	
Max. Lifting Height	3200 mm	

Performance	
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
Motor	
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	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	48/210 V/AH

