

COUNTER BALANCE

AB-FLB-CB15II、 AB-FLB-CB15III

ATOMBOTIX



Cost competitive & modular design



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

Fully electric, optimized 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 aisle.

Open design and protocols

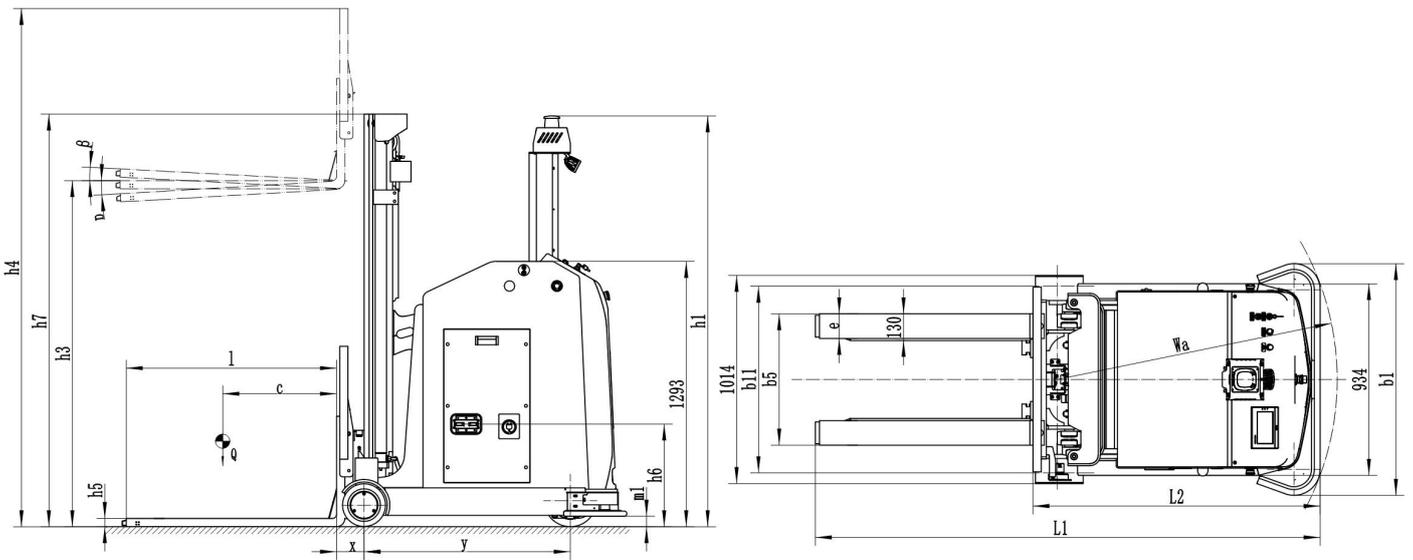


Open mechanical & electrical database, open control protocol.

Model	AB-FLB-CB15II	AB-FLB-CB15III
General		
Power Type	Electric	
Driving Style	Automatic Guided / Manual Control	
Kinematics	Single Steering Wheel	Single Steering Wheel
Rated Load Capacity	1500 kg	
Load Center Distance	500 mm	
Front Overhang Distance	133 mm	
Wheelbase	1000 mm	
Weight		
Self Weight (Including Battery)	2700 kg	2850 kg
Wheel		
Tire Type	Polyurethane	
Tire Size, Drive Wheel	Φ254×100 mm	

Tire Size, Load-Bearing Wheels	Φ210×85 mm	
Number Of Wheels, Drive Side (x=Drive Wheels)/Load-Bearing Side	1x-2/4	
Rear Wheel Track, Load-Bearing Side	909 mm	
Basic Dimensions		
Size L×W×H	2002×1129×1392 mm	
Vehicle Length (Excluding Fork)	1392 mm	
Free Lifting Height	0	1540 mm
Lifting Height	3000 mm	4500 mm
Extended Mast Max Height	3840 mm	5340 mm
Fork Surface Minimum Height (When The Charging Pad Height	50 mm	
Fork Size	950/100/40 mm	
Fork Outer Width	250~764 mm	
Minimum Ground Clearance	50 mm	
Minimum Turning Radius	1357 mm	
Minimum Right Angle Stacking Aisle Width	2570+200 mm	
Right Angle Stacking Aisle Width, Pallet	2600+200 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 Performanc .Full Load/Empty	3%/5%	
Motion		
Drive Motor Power	3.0 KW	
Power Of Lifting Motor	3.0 KW	
Steering Motor Power	0.6 KW	
Drive Motor Type	24V asynchronous AC motor	
Driving Brake Mode	Electromagnetic braking	
Steering Motor Type	48V DC Servo motor	
Lifting Mechanism	Hydraulic	
Driver Communication	CAN	
Battery		
Weight Of Battery	58 kg	
Battery Type	LFP (Lithium Iron Phosphate)	
Battery Voltage/Rated Capacity	24/210 V/AH	
BMS Communication	RS485/CAN	RS485/CAN





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