

PALLET TRUCK

AB-FLB-PT15 I , AB-FLB-PT15 II

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-PT15 I	AB-FLB-PT15 II
General		
Power Type	Electric	
Driving Style	Automatic Guided / Manual Control	
Kinematics	Single Steering Wheel	Single Steering Wheel
Rated Load Capacity	1400 kg	
Load Center Distance	600 mm	
Front Overhang Distance	720 mm	
Wheelbase	1063 mm	
Weight		
Self Weight (Including Battery)	900 kg	

Wheel		
Tire Type	Polyurethane	Polyurethane
Tire Size, Drive Wheel	Φ230×75 mm	Φ230×75 mm
Tire Size, Load-Bearing Wheels	Φ84×70 mm	
Tire Size, Balance Wheel	Φ100×50 mm	
Number Of Wheels, Drive Side (x=Drive Wheels)/Load-Bearing Side	1×+2/4	
Rear Wheel Track, Load-Bearing Side	385/500 mm	
Basic Dimensions		
Size L×W×H	2110×1000×1720 mm	
Vehicle Length (Excluding Fork)	570mm	
Free Lifting Height	1500mm	0
Lifting Height	1500mm	2500mm
Extended Mast Max Height	2085mm	3310mm
Fork Surface Minimum Height (When The Fork Is At Its Lowest)	88cm	
Fork Size	60/185/1150mm	
Fork Outer Width	570/680mm	
Minimum Ground Clearance	26mm	
Minimum Turning Radius	1300mm	
Right Angle Stacking Aisle Width, Pallet 800×1200 (1200 Placed Along The Fork)	2126 mm	
Right Angle Stacking Aisle Width, Pallet 1000×1200 (1200 Placed Along The Fork)	2182 mm	
Performance		
Driving Speed, Full load/Empty Load	4.5/4.5 km/h	
Lifting Speed, Full Load/Empty Load	120/150 mm/s	
Descent Speed, Full load/Empty load	152/120 mm/s	
Climbing Performanc .Full Load/Empty Load	3%/5%	3%/5%
Motion		
Drive Motor Power	1.5 KW	
Power Of Lifting Motor	3.0 KW	
Drive Motor Type	24V asynchronous AC motor	24V asynchronous AC motor
Driving Brake Mode	Electromagnetic braking	Electromagnetic braking
Steering Motor Type	48V DC Servo motor	48V DC Servo motor
Lifting Mechanism	Hydraulic	Hydraulic
Driver Communication	CAN	CAN



Battery		
Weight Of Battery	50 kg	
Battery Type	LFP (Lithium Iron Phosphate)	LFP (Lithium Iron Phosphate)
Battery Voltage/Rated Capacity	24/200 V/AH	
BMS Communication	RS485/CAN	RS485/CAN

