

PALLET TRUCK

AB-FLB-PT16

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-PT16
Feature	
Power Type	Electric
Driving Style	AGV
Rated Load Capacity (Q)	1600 kg
Load Center Distance (C)	600 mm
Front Suspension Distance (x)	780 mm
Wheelbase (y)	1066 mm
Weight	
Self Weight (Including Battery)	450 kg
Axle Load (Full Load), Driving Side/Load-Bearing Side	/
Axle Load (Empty load), Driving Side/Load-Bearing Side	/

Wheel	
Tire Type	Polyurethane
Tire Size, Drive Wheel	Φ210 × 75 mm
Tire Size, Load-Bearing Wheels	Φ84 × 84 mm
Tire Size, Balance Wheel	Φ76 × 65 mm
Number of Wheels, Drive Side (x=Drive Wheels)/Load-Bearing Side	1x+2/4
Front Wheel Track , Drive Side (b10)	
Rear Wheel Track, Load-Bearing Side (b11)	367/512 mm
Basic Dimensions	
Total Height (h1)	/
Total Width	845 mm
Total Length (L1)	1610 mm
Vehicle Length (Excluding Fork) (L2)	460 mm
Free Lifting Height (h2)	
Lifting Height (h3)	120 mm
Extended Mast Min. Height (h4)	1900 mm
Fork Surface Minimum Height (When the Fork is at its Lowest)(h5)	/
Charging Pad Height (h6)	
Fork Size (l/e/s)	60/173/1220 mm
Fork Outer Width (b5)	540/680 mm
Min. Ground Clearance (m1)	25
Min. Turning Radius (Wa)	1260 mm
Min. Right Angle Stacking Aisle Width	/
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 1000×1200 (1200 Placed Along The Fork)	1880 mm
Performance	
Driving Speed, Full load/Empty Load	4.5/5.4 km/h
Lifting Speed, Full Load/Empty Load	30/48 mm/s
Descent Speed, Full load/Empty load	40/28 mm/s
Climbing Performance, Full Load/Empty Load	6%/8%
Driving Brake Mode	Electromagnetic braking

Motion

Drive Motor Power	1 kw
Power of Lifting Motor	0.8 kw
Steering Motor Power	0.4 kw
Drive Motor Type	24 V asynchronous AC motor
Steering Motor Type	48 V DC Servo motor
Lifting Mechanism	48 V DC Servo
Communication Protocol	CAN

Battery

Weight of Battery	50 kg
Battery Type	Lithium iron phosphate
Battery Voltage/Rated Capacity	24/210 V/AH

