

PALLET TRUCK

AB-FLB-PT10

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

Super Space Friendly



Pivot Turn capable, Super space friendly

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-PT10
Feature	
Power Type	Electric
Driving Style	AGV
Rated Load Capacity (Q)	1000 kg
Load Center Distance (C)	550 mm
Front Suspension Distance (x)	610 mm
Wheelbase (y)	745 mm
Weight	
Self Weight (Including Battery)	230 kg
Axle Load (Full Load), Driving Side/Load Bearing Side	1022/208 kg
Axle Load (Empty load), Driving Side/Load Bearing Side	98/132 kg

Wheel	
Tire Type	Polyurethane
Tire Size, Drive Wheel	Φ 85 × 50 mm
Tire Size, Load-Bearing Wheels	/
Tire Size, Balance Wheel	Φ 75 × 30 mm
Number Of Wheels, Drive Side (x=Drive Wheels)/ Load-Bearing Side	2x/4
Front Wheel Track, Drive Side (b10)	546 mm
Rear Wheel Track, Load-Bearing Side (b11)	546 mm
Basic Dimensions	
Total Height (h1)	564 mm
Total Width	851 mm
Total Length (L1)	1464 mm
Vehicle Length (Excluding Fork) (L2)	344 mm
Free Lifting Height (h2)	/
Lifting Height (h3)	200 mm
Extended Mast Min. Height (h4)	/
Fork Surface Minimum Height (When the Fork is at its Lowest)(h5)	87 mm
Charging Pad Height (h6)	210 mm
Fork Size (l/e/s)	1120/185/65 mm
Fork Outer Width (b5)	680 mm
Min. Ground Clearance (m1)	10 mm
Min. Turning Radius (Wa)	979 mm
Min. Right Angle Stacking Aisle Width	1581+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 1000×1200 (1200 Placed Along The Fork)	/
Performance	
Driving Speed, Full load/Empty Load	4/5 km/h
Lifting Speed, Full Load/Empty Load	26/26 mm/s
Descent Speed, Full load/Empty load	26/26 mm/s
Climbing Performance, Full Load/Empty Load	3%/3%
Driving Brake Mode	Motor reverse braking

Motion	
Drive Motor Power	0.8 (0.4 × 2) kw
Power of Lifting Motor	1 kw
Steering Motor Power	
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	24 kg
Battery Type	Lithium iron phosphate
Battery Voltage/Rated Capacity	48/40 V/Ah

