

# PALLET TRUCK

AB-FLB-PT16

# ATOMBOTIX



## Cost Competitive & Modular Design



With market proven supply chain, it is perfect for prototypes

## 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

## 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 proto-

Model	AB-FLB-PT16
Feature	
Power Type	Electric
Driving Style	AGV
Rated Load Capacity (Q)	1 600 kg
Load Center Distance (C)	600 mm
Front Suspension Distance (x)	780 mm
Wheelbase (y)	1066 mm
Weight	
Self Weight (Including Battery)	450 kg

<b>Wheel</b>	
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
Rear Wheel Track, Load-Bearing Side (b11)	367/512 mm
<b>Basic Dimensions</b>	
Total Width	845 mm
Total Length (L1)	1610 mm
Vehicle Length (Excluding Fork) (L2)	460 mm
Lifting Height (h3)	120 mm
Extended Mast Max. Height (h4)	1900 mm
Fork Size	60/173/1220 mm
Fork Outer Width (b5)	540/680 mm
Minimum Ground Clearance (m1)	25
Minimum Turning Radius (Wa)	1260 mm
Right Angle Stacking Aisle Width, Pallet 1000×1200 (1200 Placed Along The Fork)	1880 mm
<b>Performance</b>	
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 Performanc, Full Load/Empty Load	6%/8%
Driving Brake Mode	Electromagnetic braking
<b>Motion</b>	
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
<b>Battery</b>	
Weight of Battery	50 kg
Battery Type	Lithium iron phosphate
Battery Voltage/Rated Capacity	24/210 V/AH

