

PALLET TRUCK

AB-FLB-PT20

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

Closed type Pallets Style



Optimized for Closed type Pallets Style

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-PT20
Feature	
Power Type	Electric
Driving Style	AGV
Rated Load Capacity (Q)	2000 kg
Load Center Distance (C)	600 mm
Front Suspension Distance (x)	816 mm
Wheelbase (y)	1277 mm
Weight	
Self Weight (Including Battery)	520 kg
Axle Load (Full Load), Driving Side/Load-Bearing Side	935/1585 kg
Axle Load (Empty load), Driving Side/Load-Bearing Side	425/95 kg

Wheel	
Tire Type	Polyurethane
Tire Size, Drive Wheel	Φ230×75 mm
Tire Size, Load-Bearing Wheels	Φ70×70 mm
Tire Size, Balance Wheel	Φ115×55 mm
Number Of Wheels, Drive Side (x=Drive Wheels)/Load-Bearing Side	1x+2/4
Front Wheel Track , Drive Side (b10)	453 mm
Rear Wheel Track, Load-Bearing Side (b11)	500 mm
Basic Dimensions	
Total Height (h1)	2035 mm
Total Width	873 mm
Total Length (L1)	1832 mm
Vehicle Length (Excluding Fork) (L2)	612 mm
Free Lifting Height (h2)	/
Lifting Height (h3)	180 mm
Extended Mast Min. Height (h4)	/
Fork Surface Minimum Height (When the Fork is at its Lowest)(h5)	92 mm
Charging Pad Height (h6)	500 mm
Fork Size (l/e/s)	1200/160/70 mm
Fork Outer Width (b5)	660 mm
Min. Ground Clearance (m1)	30 mm
Min. Turning Radius (Wa)	1428 mm
Min. Right Angle Stacking Aisle Width	1930+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)	2060+200 mm
Performance	
Driving Speed, Full load/Empty Load	5/5 km/h
Lifting Speed, Full Load/Empty Load	30/35 mm/s
Descent Speed, Full load/Empty load	42/30 mm/s
Climbing Performance, Full Load/Empty Load	3%/5%
Driving Brake Mode	Electromagnetic braking
Motion	
Drive Motor Power	1.25 kw
Power of Lifting Motor	2.2 kw

Steering Motor Power	0.4 kw
Drive Motor Type	24 V AC motor
Steering Motor Type	48 V DC Servo motor
Lifting Mechanism	24 V DC Servo
Communication Protocol	CAN
Battery	
Weight of Battery	58 kg
Battery Type	Lithium iron phosphate
Battery Voltage/Rated Capacity	24/210 V/Ah

