

# 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.



Optimized for Closed type Pallets Style.



Super compact space requirement allows more available space of the warehouse and less requirement for the aisle.



Open mechanical & electrical database, open control protocol.

## Closed type Pallets Style

## Slim Size & Compact Manuver

## Open design and protocols

### Model

**AB-FLB-PT20**

### General

Power Type	Electric
Driving Style	Automatic Guided / Manual Control
Rated Load Capacity	2000 kg
Load Center Distance	600 mm
Front Overhang Distance	816 mm
Wheelbase	1227 mm

### Weight

Self Weight (Including Battery)	520 kg
Axle Load (Full Load), Driving Side/Load-Bearing Side	935/1585kg
Axle Load (Empty load), Driving Side/Load-Bearing Side	425/95 kg

<b>Wheel</b>	
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	453 mm
Rear Wheel Track, Load-Bearing Side	500mm
<b>Basic Dimensions</b>	
Size L×W×H	2036×873×1832 mm
Vehicle Length (Excluding Fork)	612 mm
Lifting Height	180 mm
Fork Surface Minimum Height (When The Fork Is At Its Lowest)	92 mm
Charging Pad Height	500 mm
Fork Size	1200/160/70 mm
Fork Outer Width	660 mm
Minimum Ground Clearance	30 mm
Minimum Turning Radius	1428 mm
Minimum Right Angle Stacking Aisle Width	1930+200 mm
Right Angle Stacking Aisle Width, Pallet 1000×1200 (1200 Placed Along The Fork)	2060+200 mm
<b>Performance</b>	
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%
<b>Motion</b>	
Drive Motor Power	1.25 kw
Power Of Lifting Motor	2.2kw
Steering Motor Power	0.4kw
Drive Motor Type	24V asynchronous AC motor
Driving Brake Mode	Electromagnetic braking
Steering Motor Type	48V DC Servo motor
Lifting Mechanism	Hydraulic
Driver Communication	CAN



Battery	
Weight Of Battery	52/58 kg
Battery Type	LFP (Lithium Iron Phosphate)
Battery Voltage/Rated Capacity	24/105 or 24/210 V/AH
BMS Communication	RS485/CAN

