

COMPACT STACKER

AB-FLB-CS30

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



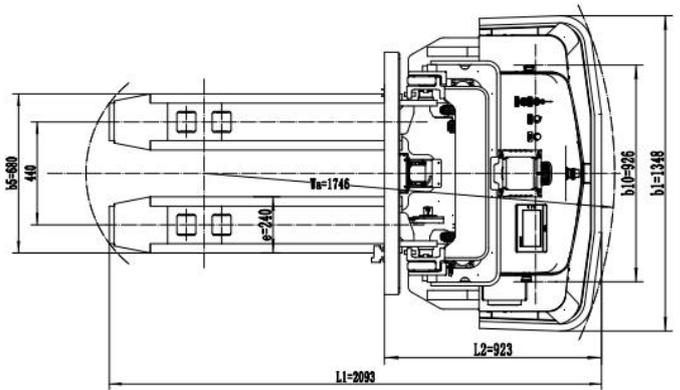
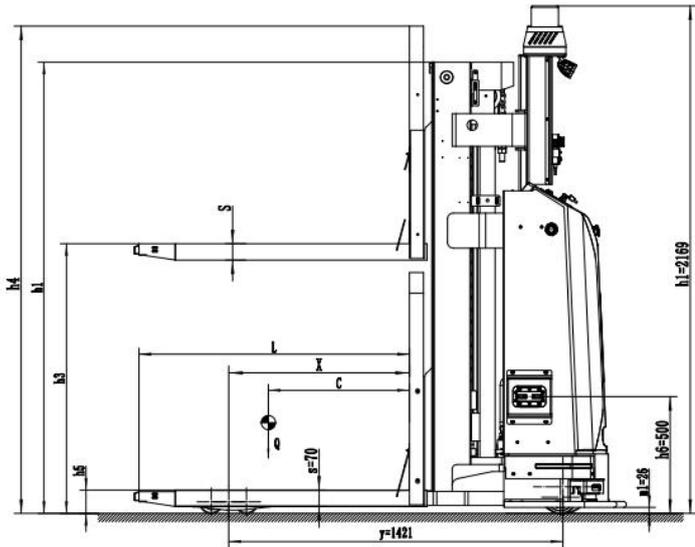
Open mechanical & electrical database, open control protocol.

| Model | AB-FLB-CS30 |
|--|-----------------------------------|
| General | |
| Power Type | Electric |
| Driving Style | Automatic Guided / Manual Control |
| Kinematics | Single Steering Wheel |
| Rated Load Capacity | 3000 kg |
| Load Center Distance | 600 mm |
| Front Overhang Distance | 768 mm |
| Wheelbase | 1421 mm |
| Weight | |
| Self Weight (Including Battery) | 1860 kg |
| Axle Load (Full Load), Driving Side/Load-Bearing Side | 1778/3082 kg |
| Axle Load (Empty load), Driving Side/Load-Bearing Side | 1395/465 kg |

| Wheel | |
|---|---------------------------|
| Tire Type | Polyurethane |
| Tire Size, Drive Wheel | Φ230×75 mm |
| Tire Size, Load-Bearing Wheels | Φ100×80 mm |
| Tire Size, Balance Wheel | Φ140×60 mm |
| Number Of Wheels, Drive Side (x=Drive Wheels)/Load-Bearing Side | 1x-2/4 |
| Front Wheel Track , Drive Side | 440 mm |
| Rear Wheel Track, Load-Bearing Side | 930 mm |
| Basic Dimensions | |
| Size L×W×H | 2500×1348×2073 mm |
| Free Lifting Height | 0 |
| Lifting Height | 3000 mm |
| Extended Mast Max Height | 4030 mm |
| Fork Surface Minimum Height (When The Fork Is At Its Lowest) | 100 mm |
| Charging Pad Height | 500 mm |
| Fork Size | 1150/240/70 mm |
| Fork Outer Width | 680 mm |
| Minimum Ground Clearance | 25.5 mm |
| Minimum Turning Radius | 1750 mm |
| Right Angle Stacking Aisle Width, Pallet 800×1200 (1200 Placed Along The Fork) | 2350+200 mm |
| Right Angle Stacking Aisle Width, Pallet 1000×1200 (1200 Placed Along The Fork) | 2400+200 mm |
| Performance | |
| Driving Speed, Full load/Empty Load | 5/5 km/h |
| Lifting Speed, Full Load/Empty Load | 115/170 mm/s |
| Descent Speed, Full load/Empty load | 160/125 mm/s |
| Climbing Performanc .Full Load/Empty Load | 3%/5% |
| Motion | |
| Drive Motor Power | 2.2 KW |
| Power Of Lifting Motor | 3.8 KW |
| Steering Motor Power | 0.6 KW |
| 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 | 100kg |
| Battery Type | LFP (Lithium Iron Phosphate) |
| Battery Voltage/Rated Capacity | 48/210 V/AH |
| BMS Communication | RS485/CAN |



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