OMNI-STACKER AB-FLB-0S10

ATOMBOTIX



Extreme Space Saver



Omni Directional Driving, Extreme space saver

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





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

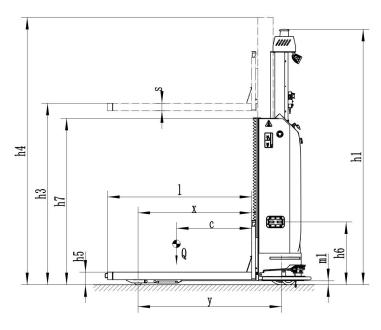
| Model | AB-FLB-OS10 | |
|---|-------------|--|
| Feature | | |
| Power Type | Electric | |
| Driving Style | AGV | |
| Rated Load Capacity (Q) | 1000 kg | |
| Load Center Distance (C) | 600 mm | |
| Front Suspension Distance (x) | 907 mm | |
| Wheelbase (y) | 1146 mm | |
| Weight | | |
| Self Weight (Including Battery) | 770 kg | |
| Bridge Load at Full Load, Driving Side/Load-Bearing | 910/860 kg | |
| Side | | |
| Bridge Load When Unloaded, Driving Side/Load- | 640/130 kg | |
| Bearing Side | | |

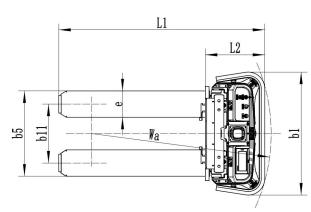
ATOMBOTIX

| Wheel | |
|---|-------------------------|
| Tire Type | Polyurethane |
| Tire Size, Drive Wheel | Ф230×75 mm |
| Tire Size, Load-Bearing Wheels | Φ75×32 mm |
| Tire Size, Balance Wheel | Ф115×55 mm |
| Number of Wheels, Drive Side (X=Drive | 1x-2/4 |
| Wheels)/Load-Bearing Side | |
| Track Width, Drive Side (b10) | 538 mm |
| Track Width, Load-Bearing Side (b11) | 470 mm |
| Basic Dimensions | |
| Total Height (h1) | 2035 mm |
| Total Width | 980 mm |
| Total Length (L1) | 1644 mm |
| Vehicle Length (Excluding Fork) (L2) | 475 mm |
| Free Lifting Height (h2) | 0 |
| Lifting Height (h3) | 1600 mm |
| Door Frame Deployment Height (h4) | 2075 mm |
| Fork Surface Min. Height(When the Fork is at its | 100 mm |
| Lowest) (h5) | 100 mm |
| Charging Pad Height (h6) | 500 mm |
| Fork Size (l/e/s) | 1150/210/60 mm |
| Fork Outer Width (b5) | 680 mm |
| Mini. Ground Clearance of the Vehicle Body (m1) | 31.5 mm |
| Mini. Turning Radius (Wa) | 1433 mm |
| Mini. Right Angle Stacking Channel Width | 1644+2000 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 Channel Width, Pallet 1000 × | |
| 1200 (1200 Placed Along The Fork) | 1675+200 mm |
| Max. Lifting Height | 3000 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 Performance, Full Load/Empty Load | 3%/5% |
| Driving Brake Mode | Electromagnetic braking |

ATOMBOTIX

| Motor | |
|--------------------------------|----------------------------|
| Drive Motor Power | 1.5 kw |
| Power of Lifting Motor | 3.8 kw |
| Steering Motor Power | 0.4 kw |
| Battery Type | Llithium iron phosphate |
| Drive Motor Type | 24 V asynchronous AC motor |
| Steering Motor Type | 48 V DC Servo motor |
| Lifting Mechanism | Hydraulic control |
| Communication Protocol | CAN |
| Battery | |
| Weight of Battery | 58 kg |
| Battery Type | Lithium iron phosphate |
| Battery Voltage/Rated Capacity | 48/105 V/AH |







www.atombotix.com contact@atombotix.com

