

# COUNTER BALANCE

AB-FLB-CB35-Outdoor

# ATOMBOTIX



## Outdoor operation



It has strong adaptability, without the restrictions of in-plant environment and can be operated outdoors.

## Cost competitive & modular design



With market proven supply chain, it is perfect for projects as well as research.

## Infrastructure free



with lidar based SLAM navigation, it has minimum requirement for environment, perfect for both brown and green field projects. 360° safety configuration, harmonious co-existence with human traffic and other robots.

## Heavy



Duty Logistics Applicability. With a high rated load of 3500 kilograms, it is applicable to heavy-duty logistics and warehousing operations and requires no infrastructure.

## Flexible Dimension Operation



The dimensions are reasonable, allowing for flexible operation in limited spaces.

## Slope



Adaptive Climbing. With good climbing ability, it is suitable for sloped environments.

Model	AB-FLB-CB35-Outdoor
<b>Feature</b>	
Power Type	Electric
Driving Style	Sit-on
Rated Load	3500 kg
Load Center Distance	500 mm
Front Suspension Distance	417 mm
Wheelbase	1700 mm
<b>Weight</b>	
Vehicle Weight (Including Battery)	5380 kg
Axle Load (Full Load), Driving Side/Load-Bearing Side	7810/1060 kg
Axle Load (Empty load), Driving Side/Load-Bearing Side	2490/2910 kg

<b>Wheel</b>	
Tire Type, Drive Side / Load Side	Solid rubber tire
Tire Specifications, Load-Bearing Side	457×152×308 mm
Tire Specifications, Drive Side	559×203×406 mm
Number of Wheels, Front / Rear (X=drive wheels)	2X/2
Front Wheel Track , Drive Side	1100 mm
Rear Wheel Track, Load-Bearing Side	780 mm
<b>Basic Dimensions</b>	
Inclination Angle of Gate Frame (Front / Rear)	6° / 6°
Mast Closing Height	2120 mm
Free Lifting Height	160 mm
Rated Weight Lifting Height	3300 mm
Raise The Height	3300 mm
Extended Mast Max Height	4060 mm
Roof Protection Frame Height	2250 mm
Seat Height	1140 mm
Vehicle Length	3510 mm
Body Length (excluding forks)	2440 mm
Vehicle Width(Front/Rear)	1300/1200 mm
Fork Size	1070/125/50 mm
Fork Frame Width	1100 mm
Fork Outer Distance	450-1050 mm
Gap Between The Mast and the Ground	100 mm
Ground Clearance of the Vehicle Body	110 mm
Minimum Stack Aisle Width (1000 × 1200 Cross Fork)	3760 mm
Minimum Stack Aisle Width (800 × 1200 Along The Fork)	3890 mm
Minimum Turning Radius	2025 mm
<b>Performance</b>	
Driving Speed, Full / Empty (Manual)	15/15 km/h
Driving Speed, Full / Empty (Automatic)	7/8 km/h
Maximum Climbing Ability, Full / Empty Load (S2-5min)	14% / 15%
Braking Mode for Driving(Artificial)	Hydraulic
Braking Mode for Driving(Automatic)	Electromagnetism
Braking Method: Parking	Electromagnetism



<b>Drive</b>	
Drive Motor Power (S2-60min)	AC 6×2 KW
Lifting Motor Power (S3-15%)	AC 12.8 KW
Battery Type	LFP (Lithium Iron Phosphate)
Battery, Voltage / Rated Capacity	80 / 460 V/AH
Battery Weight	380 kg
Steering Motor Power	AC0.75×2 KW

