

# 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



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

## Flexible Dimension Operation

## Slope



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

Model	AB-FLB-CB35-Outdoor
Feature	
Power Type	Electric
Driving Style	Sit-on
Rated Load Capacity (Q)	3500 kg
Load Center Distance (C)	500 mm
Front Suspension Distance (x)	417 mm
Wheelbase (y)	1700 mm

<b>Weight</b>	
Self 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	Solid rubber tire
Tire Size, Drive Wheel	559 × 203 × 406 mm
Tire Size, Load-Bearing Wheels	457 × 152 × 308 mm
Tire Size, Balance Wheel	
Number Of Wheels, Drive Side (x=DriveWheels)/ Load-Bearing Side	2x/2
Front Wheel Track , Drive Side (b10)	1100 mm
Rear Wheel Track, Load-Bearing Side (b11)	780 mm
<b>Basic Dimensions</b>	
Inclination Angle of Gate Frame (Front / Rear)	6° / 6°
Total Height (h1 )	2120 mm
Free Lifting Height (h2 )	160 mm
Lifting Height (h3)	3300 mm
Extended Mast Min. Height (h4)	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
Min. 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
Max. Climbing Ability, Full / Empty Load (S2-5min)	14% / 15%

Braking Mode for Driving(Artificial)	Hydraulic
Braking Mode for Driving(Automatic)	Electromagnetism
Braking Method for 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

