

ELECTRIC ARTICULATING BOOM LIFTS

AB18EJ PLUS (AB610EJ PLUS)

Compliant with GB/CE/EAC/AS standards

PRODUCT HIGHLIGHTS

Operational Efficiency & Safety

- High load capacity (250/340kg)
- Increases single-operation workload while ensuring safer operation

Working Condition Adaptability

- Large working range, and obstacle-crossing height
- Suitable for diverse and complex construction scenarios

Business Expandability

- 4WD×4WS meets high-end demands
- Expands the scope of rental business

Usability

- Range extenders adapt to scenarios with insufficient charging
- 80V lithium battery platform enhances endurance and reduces charging frequency

Standard Features

Active oscillating function	Platform rotation function	Max tilt rating to 5°
Automotive-grade sleeves for all pipes	Four-wheel brake	Flashing Beacon
Tilt protection system	Weighting system	Fault diagnosis system
Emergency stop system	Emergency lowering system	Rear position and travel confirmation
Mechanical release for travel braking	Horn & buzzer	Continuous turntable rotation in 360°
7-in smart screen	Proportional control with 3 joysticks	Anti-pinch device
Lead-acid battery	Platform with inward swinging gate (2.44 × 0.91 × 1.1 m)	

Options & Accessories

AC power line to the platform	Solid tire	Non-marking tire
Range extender	Four-wheel steering	Working light
Anti-collision device	Manual storage box	Lithium battery
Glass bracket (for platform swinging gate)	Tool box (for platform swinging gate)	Half-height guardrail (for platform swinging gate)

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PARTNERS IN ACCESS™

SINOBOOM.COM | SALES@SINOBOOM.COM

NO.128 EAST JINZHOU AV., NINGXIANG HI-TECH INDUSTRY PARK, CHANGSHA, HUNAN, CHINA, 410600

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Model	AB18EJ PLUS (AB610EJ PLUS)
Dimensions	
Max Platform Height	18.58 m (60'11")
Max Working Height	20.58 m (67'6")
Max Horizontal Reach (250 kg/340 kg)	12 m/10.7 m (39'4"/35'1")
Max Horizontal Working Envelope (250 kg/340 kg)	12.6 m/11.3 m (41'4"/37'1")
Max Up and Over Clearance	7.98 m (26'2")
A Machine Length (Stowed/Transport)	8.8 m (28'10")
B Machine Width (Stowed/Transport)	2.49 m (8'2")
C Machine Height (Stowed/Transport)	2.54 m (8'4")
D Wheelbase	2.49 m (8'2")
Ground Clearance	0.36 m (1'2")
Platform Size (L×W×H)	2.44×0.91×1.1 m (8'×3'×3'7")
Performance	
Max Platform Capacity (Unrestricted/Restricted)	250 kg/340 kg (551 lbs/750 lbs)
Max Platform Occupancy	2 persons
Drive Speed (Stowed/Raised)	0 ~ 4.8 km/h (0 ~ 3 mph) 0 ~ 1.1 km/h (0 ~ 0.68 mph)
Gradeability (4WD)	45%
Turntable Rotation (Angle/Continuity)	360° / Continuous
Platform Rotation	180°
Tilt Rating	5°
Turning Radius (Inside/Outside)—Two-wheel steering	2.4 m/5.55 m (7'10"/18'3")
Turning Radius (Inside/Outside)—Four-wheel steering	1.63 m/3.59 m (5'4"/11'9")
Turntable Tail-swing	0.78 m (2'7")
Max Allowable Side Force	400 N (90 lbf)
Max Allowable Wind Speed	12.5 m/s (28 mph)
Tire Spec/Type	355/55D625 (foam-filled) 36×14-20 (solid)
Power	
Drive×Steer	4 WD×2 WS (4WS)
Hydraulic Tank Capacity	130 L (28.6 gal (UK)/34.3 gal (US))
Oil Capacity of Hydraulic Tank	110 L (24.2 gal (UK)/29.1 gal (US))
Hydraulic System Pressure	22 MPa (3191 Psi)
Battery (Voltage/Capacity)	2×24 V,480 Ah (5 hr) (lead acid battery) 51.2 V / 500 Ah (lithium battery)
Control Voltage	12V DC
Weight	
Weight (Lithium battery I / Lithium battery II -range extender/ lead acid battery)	9,600 kg (21,164 lbs) / 9,950 kg (21,936 lbs) / 10,150 kg (22,377 lbs)
Standards Compliance	GB/CE/EAC/AS

