

EC450AJ Compact

ELECTRIC ARTICULATING BOOM LIFT



KEY SPECS

Working Height 15.9 m	Platform Capacity 250 kg
Working Outreach 8.9 m	Up and Over Height 6.85 m

KEY FEATURES

- Zero emissions.
- 2 m overall machine width: drive through where others can't.
- Zero tail swing: slew the turntable without protruding on the side.
- Charge your batteries fast thanks to 230V (STD) and 400V (OPT) on-board chargers.
- Connectivity: comes with JLG Clearsky SMART FLEET.
- STD 4WD AC electric drive + oscillating front axle provide excellent RT performance.
- Compact dimensions: easier to transport, operate and park.
- Long autonomy thanks to lithium battery and AC-powered drive and boom functions.

ACCESSORIES & OPTIONS

- Lithium Battery extension up to 20 kWh / 400 Ah total
- 13 mm air line to platform
- Platform charger 12V
- Platform charger USB
- All weather premium (Arctic) Hydraulic Oil
- Platform Worklights
- Head & Tail Lights
- All motion alarm (white noise)
- PipeRack
- Euro Plug & Socket
- Special paint colour
- Hydraulic Oil 230V Electric Heater
- Hostile Environment Kit
- Chassis lights
- SkyGlazier
- 400V - 3 Phase - 9 kW Battery charger
- FF 265/50 D20 Tires - Black
- Steer cylinder rods protection covers

STANDARD SPECIFICATIONS

Performance

Working Height	15.9 m
Platform Height	13.9 m
Horizontal Outreach	8.25 m
Working Outreach **	8.9 m
Up and Over Height	6.85 m
Swing Non-Continuous	355°
Platform Capacity - Unrestricted	250 kg
Platform Rotator (Hydraulic)	180°
Jib - Overall Length	1.24 m
Jib - Range of articulation	145° (+76, -69)
Tilt cut out	5° (8.7%)
Machine weight *	5500 kg
Maximum Ground Bearing Pressure ***	4.59 kg/cm ²
Occupied floor area	5.36 m ²
Drive Speed	4.8 kmh
Gradeability 2WD	TBD
Gradeability- 4WD	45%
Axle Oscillation	STD
Turning Radius - Inside	3.7 m
Turning Radius - Outside	4.5 m

* Certain options or country standards may increase weight and/or dimensions.
** Incl. 0.65 m outreach beyond platform
*** With Standard tires

Power Source

Electrical System	12 V DC
Power system	48V Nominal
Batteries	10kWh / 200Ah Lithium-Ion Batteries including BMS and integrated heaters
Drive Motors	4 x AC drive electric motors

Tires

Non Marking	FF 265/50 D20 Tires
Brakes	Electro-magnetic - automatic

Hydraulic System

Hydraulic Pump Motor	AC electric
Hydraulic Pump	driven gear pump
Tank capacity	31 L
Max pressure	210 bar

STANDARD FEATURES

- 0.85 m x 1.8 m tri-entry aluminum platform (1 swing gate + 2 drop bars)
- Multiple simultaneous function operation
- Full proportional drive joystick control with integral thumb steer switch
- Full proportional main boom and swing joystick control
- Selectable creep speed on drive / lift and swing functions
- 1.24 m articulating jib
- Platform console machine status light panel
- AC power cable to platform
- 5 Degree (8.7%) Tilt Alarm/ Indicator Light
- 12V-DC Auxiliary Power
- Hourmeter
- Interactive 4" LCD Display at Ground Controls
- Control ADE® (Advanced Design Electronics) System
- 4 wheel independent direct electric AC drive
- Horn
- Lifting/Tie Down Lugs
- Oscillating Front Axle
- Cast Aluminum Control Box
- Motion Alarm
- 355 Degree Non-Continuous Swing
- 3kW Zivan battery charger
- Ground control selector switch with key lock
- Synthetic Biodegradable Hydraulic Oil
- ClearSky SMART FLEET Telematics System - subscription through On Line Express
- Skyguard Skyline Enhanced Operator Protection System
- FF 265/50 D20 Tires - Non marking

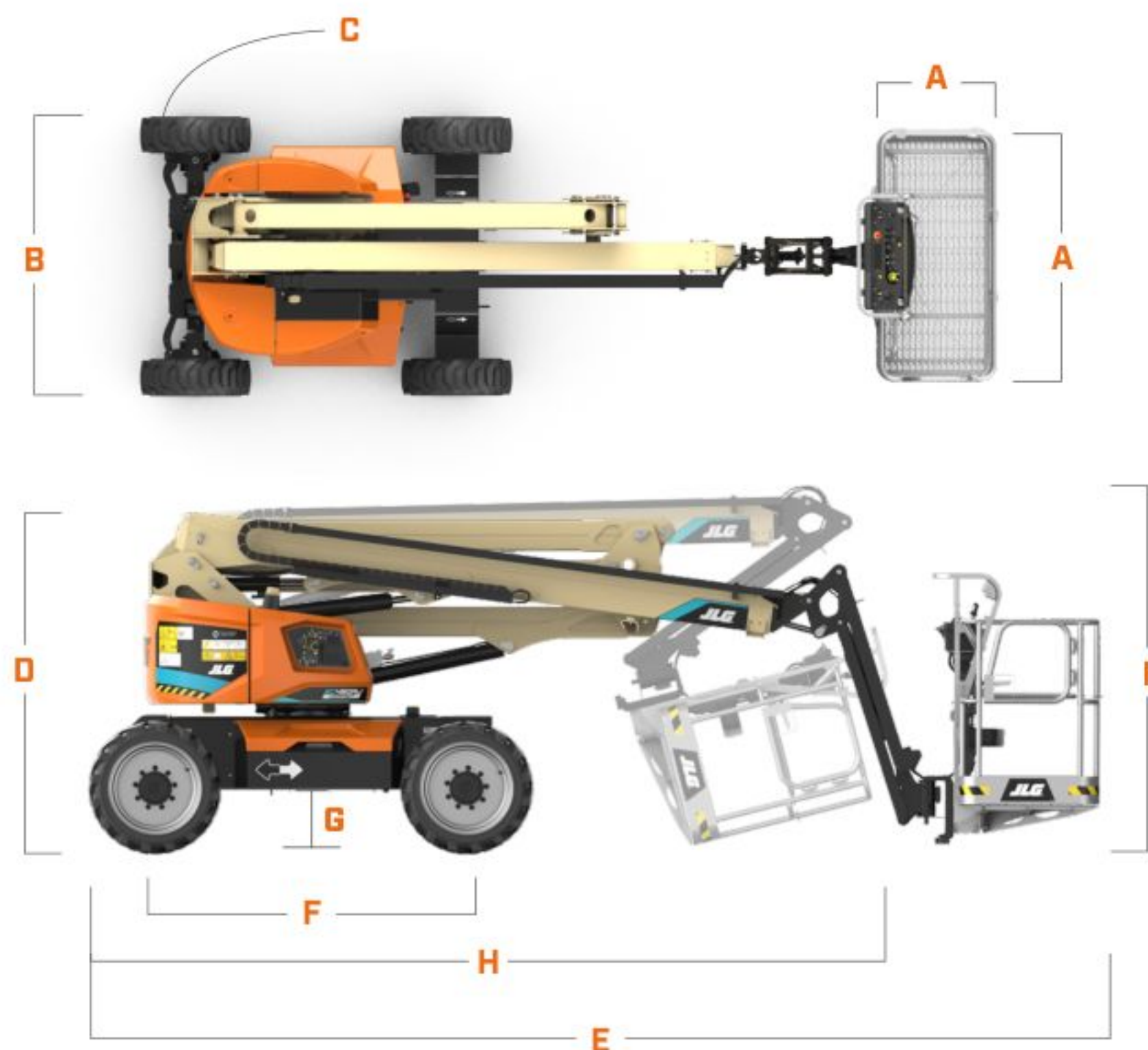
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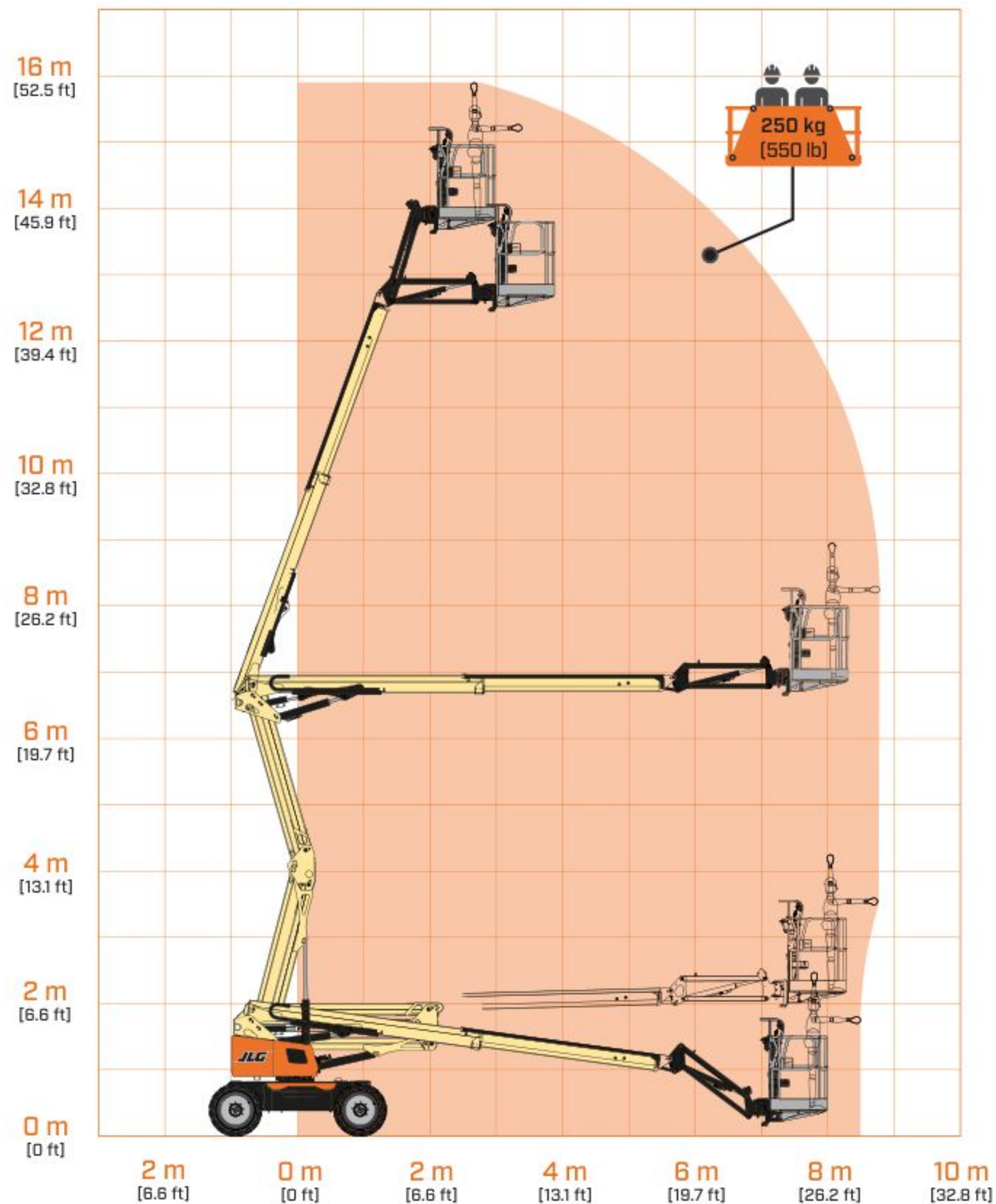
DIMENSIONS

All dimensions are approximate



A.	Platform Size	0.85 m x 1.8 m
B.	Overall Width	2 m
C.	Tailswing	Zero
D.	Stowed Height	2.06 m
E.	Stowed Length	6.2 m
F.	Wheelbase	1.88 m
G.	Ground Clearance	0.36 m
H.	Transport length (jib tucked under boom)	4.82 m
I.	Transport height (jib tucked under boom)	2.21 m

REACH DIAGRAM



IMPORTANT

JLG is continually researching and developing products and reserves the right to make modifications without prior notice. All data in this document is indicative. Certain options or country standards will increase weight. Specifications may change to meet country standards or with the addition of optional equipment.

Due to continuous product improvements, JLG Industries reserves the right to make specification and/or equipment changes without prior notification.



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