

Self-Propelled Articulating Booms

Z™-30/20N & Z™-30/20N RJ

Specifications

Models	Z-30/20N DC		Z-30/20N RJ DC	
Measurements	US	Metric	US	Metric
Working height maximum*	36 ft	11.14 m	35 ft 2 in	10.89 m
Platform height maximum	30 ft	9.14 m	29 ft 2 in	8.89 m
Horizontal reach maximum	21 ft 5 in	6.53 m	20 ft 6 in	6.25 m
Up and over clearance maximum	12 ft 8 in	3.86 m	12 ft 8 in	3.86 m
A Platform length	2 ft 6 in	0.76 m	2 ft 6 in	0.76 m
B Platform width	3 ft 10 in	1.17 m	3 ft 10 in	1.17 m
C Height - stowed	6 ft 6.5 in	2 m	6 ft 6.5 in	2 m
D Length - stowed	16 ft 9 in	5.11 m	17 ft 5 in	5.31 m
E Storage height	6 ft 7 in	2.08 m	7 ft 4 in	2.24 m
F Storage length	11 ft 6 in	3.5 m	12 ft	3.66 m
G Width	3 ft 11 in	1.19 m	3 ft 11 in	1.19 m
H Wheelbase	5ft 2 in	1.58m	5ft 2 in	1.58m
A Ground clearance - center	3.5 in	0.09 m	3.5 in	0.09 m

Productivity

Lift capacity	500 lb	227 kg	500 lb	227 kg
Platform rotation	180°		180°	
Vertical jib rotation	139°		139°	
Horizontal jib rotation	—		180°	
Turntable rotation	355° non-continuous		355° non-continuous	
Turntable tailswing	zero		zero	
Drive speed - stowed	3.0 mph	4.8 km/h	3.0 mph	4.8 km/h
Drive speed - raised**	0.68 mph	1.1 km/h	0.68 mph	1.1 km/h
Gradeability - stowed***	35%		35%	
Turning radius - inside	5 ft 5 in	1.65 m	5 ft 5 in	1.65 m
Turning radius - outside	10 ft 7 in	3.23 m	10 ft 7 in	3.23 m
Controls	24 V DC proportional		24 V DC proportional	
Tires - solid non-marking	22x7x17.75 in	.56x.18x.45 m	22x7x17.75 in	.56x.18x.45 m

Power

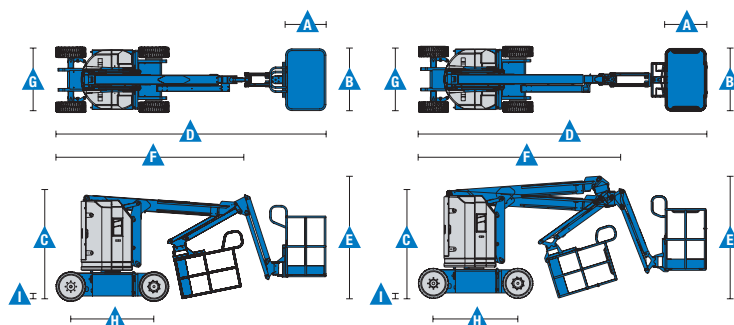
Power source	48 V DC (eight 6 V batteries 350 Ah capacity)	48 V DC (eight 6 V batteries 350 Ah capacity)
Auxiliary power unit	24 V DC	24 V DC
Hydraulic tank capacity	4 gal	15.1 L

Weight****

	14,170 lb	6,428 kg	14,220 lb	6,450 kg
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Standards Compliance

ANSI A92.5, CSA B354.4, EN 280, AS 1418.10



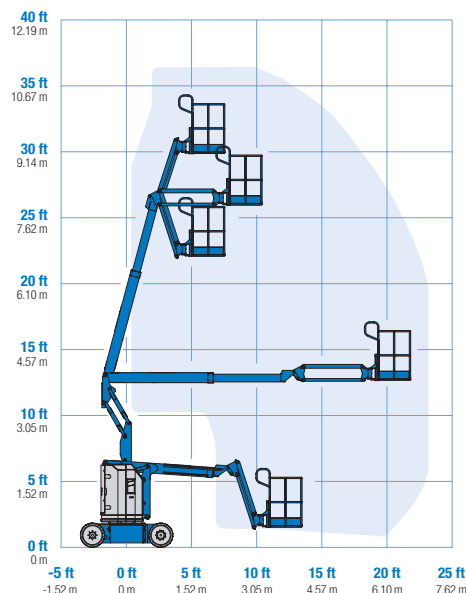
* The metric equivalent of working height adds 2 m to platform height. U.S. adds 6 ft to platform height.

** In lift mode *(platform raised), the machine is designed to operate on firm, level surfaces only.

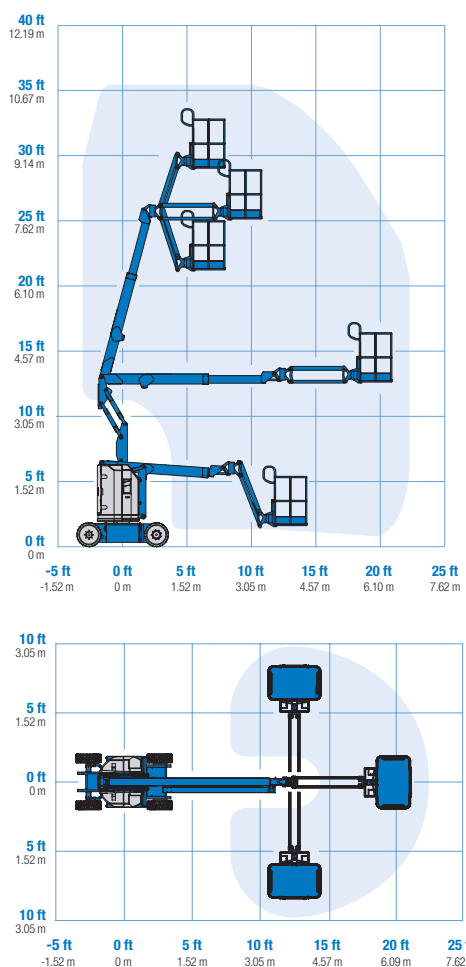
*** Gradeability applies to driving on slopes. See operator's manual for details regarding slope ratings.

**** Weight will vary depending on options and/or country standards.

Range Of Motion Z-30/20N



Range Of Motion Z-30/20N RJ



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Features

Standard Features	Easily Configured To Meet Your Needs	Options & Accessories
<p>Measurements</p> <p>Z-30/20N</p> <ul style="list-style-type: none"> • 36 ft (11.14 m) working height • 21 ft 5 in (6.53 m) horizontal reach • 12 ft 8 in (3.86 m) up and over clearance • Up to 500 lb (227 kg) lift capacity <p>Z-30/20N RJ</p> <ul style="list-style-type: none"> • 35 ft 2 in (10.89 m) working height • 20 ft 6 in (6.25 m) horizontal reach • 12 ft 8 in (3.86 m) up and over clearance • Up to 500 lb (227 kg) lift capacity <p>Productivity</p> <ul style="list-style-type: none"> • 4 ft (1.22 m) jib boom with 139° working range • Self-leveling platform • Hydraulic platform rotation • Proportional joystick controls • Thumb rocker steer • Drive enable • AC power cord to platform • Alarm package: flashing beacon and travel alarm • Horn • Hour meter • Tilt alarm • Descent alarm • Zero tailswing and front arm swing • 355° non-continuous turntable rotation • Lift Guard™ Contact Alarm • Dual parallelogram for vertical wall tracking <p>Power</p> <ul style="list-style-type: none"> • 48 V DC deep cycle battery pack • 24 V DC auxiliary power • Universal 30A battery smart charger 	<p>Platform</p> <ul style="list-style-type: none"> • Steel 3 ft 10 in (1.17 m) with sliding mid-rail <p>Jib Options</p> <ul style="list-style-type: none"> • 4 ft (1.22 m) jib boom • 4 ft (1.22 m) horizontal rotating jib boom <p>Power</p> <ul style="list-style-type: none"> • 48 V DC power source <p>Drive</p> <ul style="list-style-type: none"> • 2WD <p>Tire</p> <ul style="list-style-type: none"> • Solid rubber non-marking 	<p>Productivity</p> <ul style="list-style-type: none"> • Platform swing gate • Lift Guard Platform Mesh - Half • Lift Guard Platform Mesh - Full • Platform top auxiliary rail • Air line to platform • Specialty hydraulic oil (cold weather, fire resistant or biodegradable) • Aircraft protection package (Not available on RJ model)* • Hostile environment kit • Fluorescent tube caddy ** • Pipe cradle (pair) ** • Light package • Lockable platform control box cover <p>Power</p> <ul style="list-style-type: none"> • AGM batteries • EE UL583 Fire Protection rating • Battery charge indicator (BCI) • Low voltage interrupt with BCI • 800 watt 120VAC power inverter <p>* Reduces platform weight capacity to 440 lb ** Available through aftermarket parts only</p>



Genie United States

6464 185th Ave. NE
Redmond, WA 98052
Telephone +1 (425) 881-1800
Toll Free in USA/Canada +1 (800)-536-1800
Fax +1 (425) 883-3475

Distributed By:

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Model E300AJP

ARTICULATING BOOM LIFTS



MORE ECONOMIC

- Electric power for zero emissions and near-silent running indoors.

MORE PRODUCTIVE

- No waiting with immediate-response AC drive motors for greater torque and efficiency.

MORE ACCESS

- Access hard-to-reach places with near-vertical jib positioning and 180-degree side-to-side movement.

SMART DESIGN

- Enjoy industry leading upcycles so you can work longer with higher productivity.

Standard Features

- 0.76 m x 1.22 m low mount platform
- Side entry with drop bar mid rail
- Multiple function operation
- Full proportional drive joystick control with integral thumb steer switch
- Full proportional main boom and swing joystick control
- Multiple speed control for lower boom, telescope, jib and platform rotate
- Selectable creep speed on drive / lift and swing functions
- 1.22 m articulating jib
- JibPLUS[®] with 4 way axis 1.22m Jib
- 180 degree powered platform rotator
- Platform console machine status light panel ¹
- Load sensing system
- AC power cable to platform
- Two Wheel Direct Electric Drive
- Automatic traction control
- Programmable "Personality" settings
- On-board self-diagnostic testing
- Enclosed battery / electrical compartment
- 20 amp automatic battery charger
- Automatic rear wheel brakes
- Sculptured ABS hoods
- 3 degree tilt alarm and indicator light
- 1.22m narrow frame
- Lifting/tie down lugs
- Ground control selector switch with key lock
- Battery condition indicator
- Hour meter
- Horn
- Manual descent system
- Platform tool tray
- JLG Skyguard active system

¹ Provides indicator lights at platform control console for system distress, low battery, tilt light, and foot switch status.

Standard Specifications

Power Source	48V AC
• Electrical System	8 x 6V 305 A/hr
• Batteries - deep cycle	Dual AC Traction
• Drive Motors	
Hydraulic System	
• Hydraulic Motor	Perm. Magnet
Tyres	25 x 7-12 Non marking



Accessories & Options

- Self closing inward swing gate
- 8 x 6V, 370 A/hr Batteries
- All motion alarm
- 305 A/hr AGM Batteries
- Alarm package ²
- Platform worklights
- Amber strobe light
- Euro Plug & Socket
- Acrylic console shield
- Cylinder bellows
- Skyguard beacon (ILOS)
- Synthetic Biodegradable Hydraulic Oil
- Programmable Security Lock
- Special paint colour

² Includes all-motion alarm and amber strobe light.

Model E300AJP

ARTICULATING BOOM LIFTS

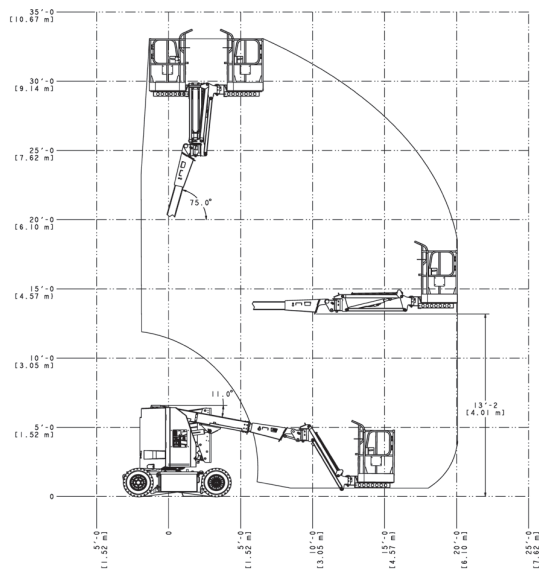
Performance

- Working Height 10.97 m
- Working Outreach 6.77 m
- Up and Over Height 4.01 m
- Swing (non-continuous) 350°
- Platform Capacity – Unrestricted 230 kg
- Platform Rotator (Hydraulic) 180°
- Jib – Overall Length 1.22 m
- Jib – Range of articulation 144° Vertical (+84°/-60°)
 - A. Platform Size 0.76 m x 1.22 m
 - B. Overall Width 1.22 m
 - C. Tailswing (working condition) Zero
 - D. Stowed Height 2.01 m
 - E. Stowed Length 5.74 m
 - F. Wheelbase 1.65 m
 - G. Ground Clearance 0.10 m
- Machine weight ¹ 7,100 kg
- Maximum Ground Bearing Pressure 11.95 kg/cm²
- Drive Speed 7.2 km/h
- Gradeability 25%
- Turning Radius – Inside 1.52 m
- Turning Radius – Outside 3.10 m

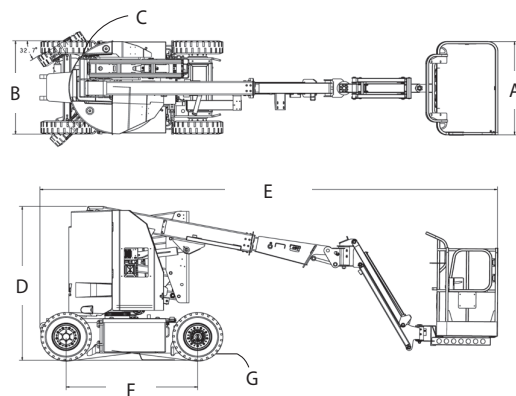
¹ Certain options or country standards may increase weight and/or dimensions.



Reach Diagram



Dimensions



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.



JLG EMEA BV

Polaris Avenue 63
2132 JH Hoofddorp
The Netherlands
Tel: +31 (0)23 565 5665
Fax: +31 (0)23 557 3750
www.jlg.com

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