

# 14M Z4023NRJ

## BOOM LIFT

### Specifications

Models	Z-40/23N DC		Z-40/23N RJ DC	
Measurements	US	Metric	US	Metric
Working height maximum*	46 ft 5 in	14.32 m	46 ft 5 in	14.32 m
Platform height maximum	40 ft 5 in	12.32 m	40 ft 5 in	12.32 m
Horizontal reach maximum	22 ft 8 in	6.91 m	22 ft 8 in	6.91 m
Up and over clearance maximum	21 ft 3 in	6.48 m	21 ft 3 in	6.48 m
<b>A</b> Platform length	2 ft 6 in	0.76 m	2 ft 6 in	0.76 m
<b>B</b> Platform width	4 ft 8 in	1.42m	3 ft 10 in	1.17 m
<b>C</b> Height - stowed	6 ft 6 in	1.98 m	6 ft 6 in	1.98 m
<b>D</b> Length - stowed	21 ft 5 in	6.53 m	21 ft 5 in	6.53 m
<b>E</b> Width	4 ft 11 in	1.50 m	4 ft 11 in	1.50 m
<b>F</b> Wheelbase	6 ft 5 in	1.96 m	6 ft 5 in	1.96 m
<b>G</b> Ground clearance - center	9.5 in	24.1 cm	9.5 in	24.1 cm

### Productivity

Lift capacity	500 lbs	227 kg	500 lbs	227 kg
Platform rotation	180°		180°	
Vertical jib rotation	128°		128°	
Horizontal jib rotation	—		180°	
Turntable rotation	355° non-continuous		355° non-continuous	
Turntable tailswing	5 in	0.13 m	5 in	0.13 m
Drive speed - stowed	4.5 mph	7.2 km/h	4.5 mph	7.2 km/h
Drive speed - raised**	0.68 mph	1.1 km/h	0.68 mph	1.1 km/h
Gradeability - stowed***	30%		30%	
Turning radius - inside	2 ft 11 in	.87 m	2 ft 11 in	0.87 m
Turning radius - outside	10 ft 6 in	3.20 m	10 ft 6 in	3.20 m
Controls	24 V DC proportional		24 V DC proportional	
Tires - front	22x7x17.75 in	0.56x0.18x0.45 m	22x7x17.75 in	0.56x0.18x0.45 m
Tires - rear	25.6 x 7 in	0.64 x 0.18 m	25.6 x 7 in	0.64 x .018m

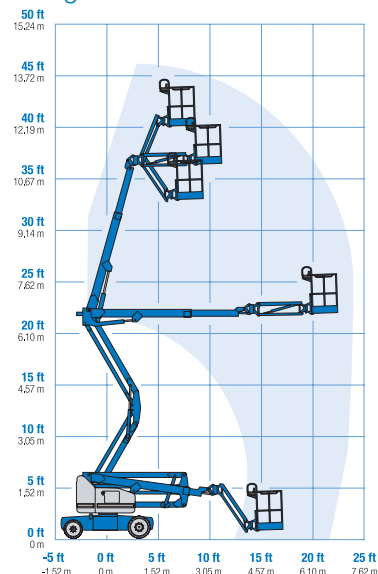
### Power

Power source	48 V DC (eight 6 V batteries)		48 V DC (eight 6 V batteries)	
	350 Ah capacity		350 Ah capacity	
Drive system	AC Drive, 48V 3 phase		AC Drive, 48V 3 phase	
Auxiliary power unit	24 V DC		24 V DC	
Hydraulic tank capacity	8 gal	30.3 L	8 gal	30.3 L

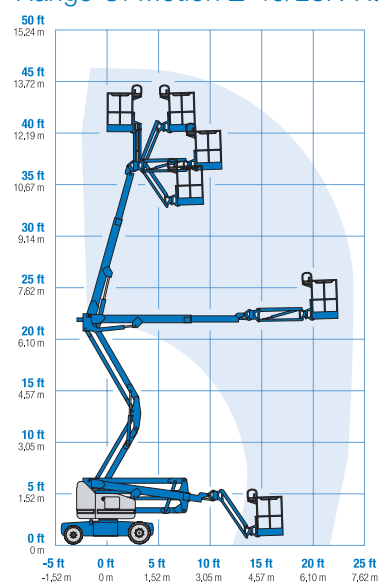
### Weight\*\*\*\*

15,230 lbs	6,908 kg	15,300 lbs	6,940 kg
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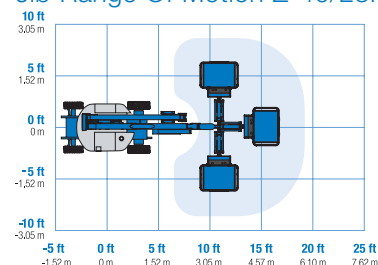
### Range Of Motion Z-40/23N



### Range Of Motion Z-40/23N RJ

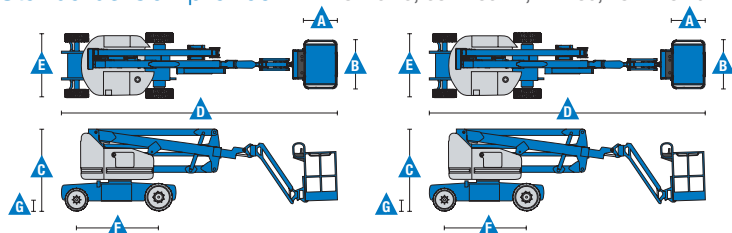


### Jib Range Of Motion Z-40/23N RJ



### 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.

## Features

Standard Features	Easily Configured To Meet Your Needs	Options & Accessories
<p><b>Measurements</b></p> <p><b>Z-40/23N &amp; Z-40/23N RJ</b></p> <ul style="list-style-type: none"> <li>• 46 ft 5 in (14.32 m) working height</li> <li>• 22 ft 8 in (6.91 m) horizontal reach</li> <li>• 21 ft 3 in (6.48 m) up and over clearance</li> <li>• Up to 500 lbs (227 kg) lift capacity</li> </ul> <p><b>Productivity</b></p> <ul style="list-style-type: none"> <li>• 4 ft 11 in (1.50 m) width</li> <li>• 2 ft 11 in (.87 m) inside turning radius</li> <li>• 4 ft (1.22 m) jib boom with 128° working range</li> <li>• AC electric drive system</li> <li>• Self-leveling platform</li> <li>• Hydraulic platform rotation</li> <li>• Proportional joystick controls</li> <li>• Thumb rocker steer</li> <li>• Drive enable</li> <li>• AC power cord to platform</li> <li>• Horn</li> <li>• Hour meter</li> <li>• Tilt alarm</li> <li>• Descent, motion, &amp; travel alarms</li> <li>• Hydraulic filter condition monitor</li> <li>• 355° non-continuous turntable rotation</li> <li>• Traction control</li> <li>• On board easy to understand diagnostics</li> <li>• Telematics ready connector</li> <li>• Lift Guard™ Contact Alarm</li> <li>• Dual parallelogram for vertical wall tracking</li> </ul> <p><b>Power</b></p> <ul style="list-style-type: none"> <li>• 48 V DC deep cycle battery pack</li> <li>• 24 V DC auxiliary power</li> <li>• Universal 30A battery smart charger</li> <li>• Battery charge indicator</li> <li>• Low battery voltage interrupt</li> </ul>	<p><b>Platform Options</b></p> <ul style="list-style-type: none"> <li>• Steel 4 ft 8 in (1.42 m) with sliding mid-rail (Z40N only)</li> <li>• Steel 3 ft 10 in (1.17 m) with sliding mid-rail</li> </ul> <p><b>Jib Options</b></p> <ul style="list-style-type: none"> <li>• 4 ft (1.22 m) jib boom</li> <li>• 4 ft (1.22 m) horizontal rotating jib boom</li> </ul> <p><b>Power</b></p> <ul style="list-style-type: none"> <li>• 48 V DC (eight 6 V 350 Ah batteries)</li> </ul> <p><b>Drive</b></p> <ul style="list-style-type: none"> <li>• 2WD Electric AC</li> </ul> <p><b>Tire</b></p> <ul style="list-style-type: none"> <li>• Solid rubber non-marking</li> </ul>	<p><b>Productivity</b></p> <ul style="list-style-type: none"> <li>• Platform swing gate</li> <li>• Half-mesh platform inserts with swing gate</li> <li>• Air line to platform</li> <li>• Specialty hydraulic oil (Cold weather, fire resistant or biodegradable)</li> <li>• Hostile environment kit</li> <li>• Flashing beacon</li> <li>• Light package</li> <li>• Lockable platform control box cover</li> <li>• Florescent tube caddy**</li> <li>• Pipe cradle (pair)**</li> </ul> <p><b>Power</b></p> <ul style="list-style-type: none"> <li>• AGM batteries</li> <li>• 800 watt 120VAC power inverter</li> </ul>



\* Reduces platform weight capacity to 440 lbs  
\*\* Available through aftermarket parts only