

# SELF-PROPELLED ARTICULATING BOOMS | ELECTRIC

## NARROW ACCESS SOLUTIONS

Drive through standard doorways, work close to buildings or around obstacles, and access overhead work from aisles and other congested areas. It's all possible with Genie® narrow electric lifts. From tight turning to a rotating platform, they're designed with features that make it easy to maneuver precisely where you need to work. Working heights range from 36 ft (11.14 m) to 46 ft 5 in (14.32 m).

### TIGHT ACCESS MANEUVERABILITY

The electric boom line includes a variety of narrow models ideal for the tightest, most confined work areas. These compact designs feature a tight turning radius with zero tailswing on most models for easy maneuvering through narrow aisles and standard doors.



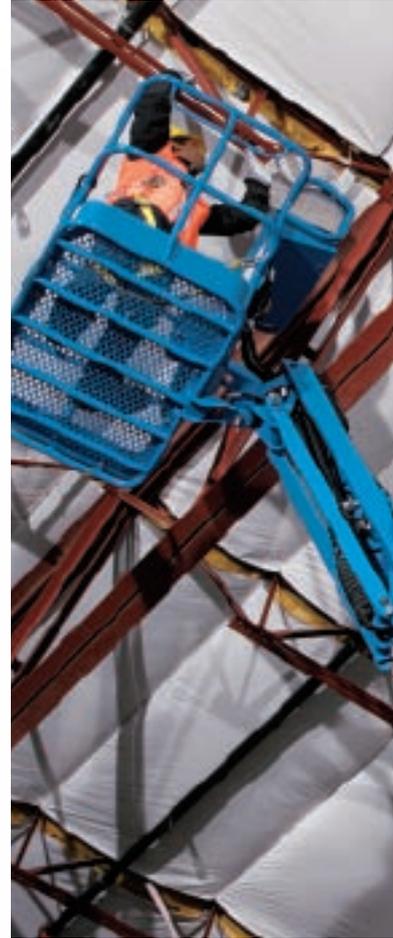
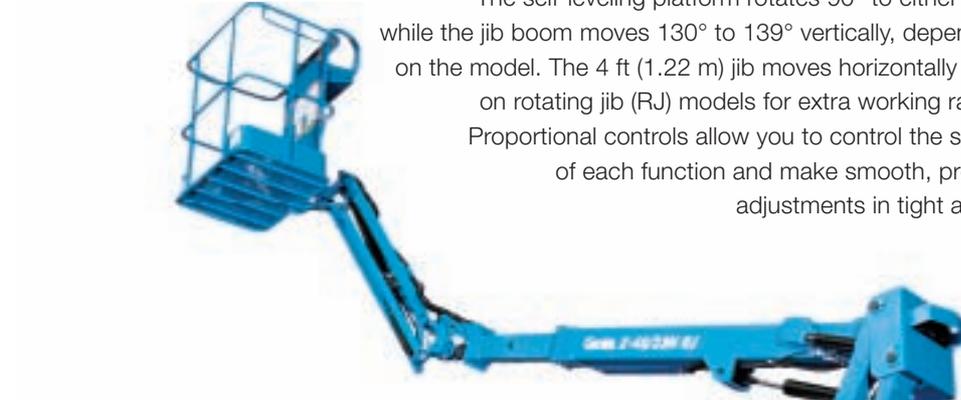
### EXCEPTIONAL CONTROL

Proportional lift and drive controls allow precise positioning of the boom and smooth drive performance. For added flexibility, the energy-saving new Z™-40/23N control system allows efficient operation of multiple functions at the same time — which allows you to get where you need to go faster.

**The Genie® Z™-40/23N models are the first in the industry to feature the efficient new AC drive system.**

## PRECISE POSITIONING

The self-leveling platform rotates 90° to either side, while the jib boom moves 130° to 139° vertically, depending on the model. The 4 ft (1.22 m) jib moves horizontally 180° on rotating jib (RJ) models for extra working range. Proportional controls allow you to control the speed of each function and make smooth, precise adjustments in tight areas.



## RELIABLE ELECTRIC DRIVE SYSTEMS

Several models feature a 48V DC electric drive system, which can be freely used in areas where quiet, emission-free operation is important. The Z™-40/23N models are the first in the industry to feature Genie's new AC drive system, which combines DC batteries with 3-phase AC drive motors for quiet, more energy efficient operation and longer battery life. This advanced system yields better drive speed and gradeability, and the drive wheels work independently for excellent traction control.



## NARROW MODELS AVAILABLE

Z™-30/20N

Z™-30/20N RJ

Z™-34/22N

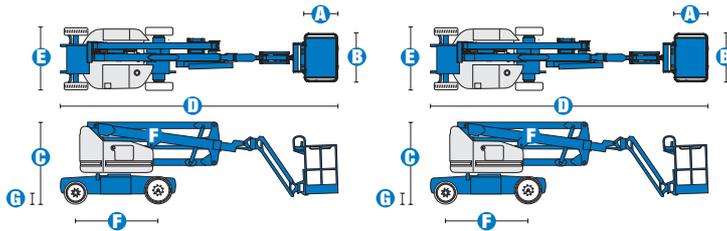
Z™-40/23N

Z™-40/23N RJ

# SELF-PROPELLED ARTICULATING BOOMS

## Z™-40/23N & Z™-40/23N RJ

### Specifications



MODELS	Z™-40/23N		Z™-40/23N RJ	
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	.76 m	2 ft 6 in	.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	7 in	.18 m	7 in	.18 m

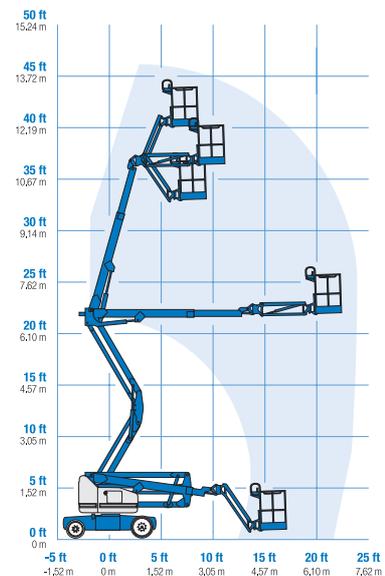
PRODUCTIVITY				
Lift capacity	500 lbs	227 kg	500 lbs	227 kg
Platform rotation	180°		180°	
Vertical jib rotation	130°		130°	
Horizontal jib rotation	—		180°	
Turntable rotation	355° non-continuous		355° non-continuous	
Turntable tailswing	5 in	.13 m	5 in	.13 m
Drive speed - stowed	4.5 mph	7.2 km/h	4.5 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	.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	.56x.18x.45 m	22x7x17.75 in	.56x.18x.45 m
Tires - rear	25.6 x 7 in	.64 x .18 m	25.6 x 7 in	.64 x .18m

POWER				
Power source	48 V DC (eight 6 V batteries) 350 Ah capacity		48 V DC (eight 6 V batteries) 350 Ah capacity	
Drive system	29 V 3 phase AC		29 V 3 phase AC	
Auxiliary power unit	24 V DC		24 V DC	
Hydraulic tank capacity	8 gal	30.2 L	8 gal	30.2 L
<b>WEIGHT****</b>	15,230 lbs	6,908 kg	15,300 lbs	6,940 kg

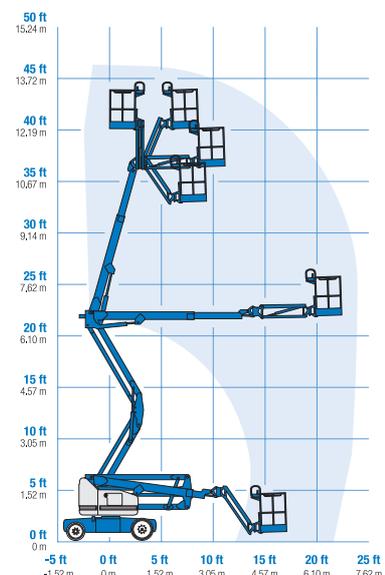
**STANDARDS COMPLIANCE** ANSI A92.5, CSA B354.4, CE Compliance, AS 1418.10

\* 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 operated 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.

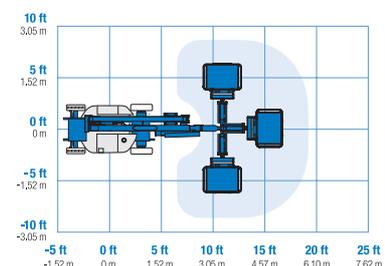
#### RANGE OF MOTION Z™-40/23N



#### RANGE OF MOTION Z™-40/23N RJ



#### JIB RANGE OF MOTION Z™-40/23N RJ



## Features

### EASILY CONFIGURED TO MEET YOUR NEEDS

#### PLATFORM OPTIONS

- Steel 4 ft 8 in (1.42 m) (Z40N only)
- Steel 3 ft 10 in (1.17 m) (Standard on Z40N RJ, option on Z40N)

#### JIB OPTIONS

- 4 ft (1.22 m) jib boom
- 4 ft (1.22 m) horizontal rotating jib boom

#### POWER

- 48 V DC (eight 6 V 350 Ah batteries)

#### BATTERY CHARGING

- 25 Amp 48 V DC onboard charger

#### DRIVE

- 2WD Electric AC

#### TIRE

- Solid rubber non-marking

### STANDARD FEATURES

#### MEASUREMENTS

##### Z™-40/23N & Z™-40/23N RJ

- 46 ft 5 in (14.32 m) working height
- 22 ft 8 in (6.91 m) horizontal reach
- 21 ft 3 in (6.48 m) up and over clearance
- Up to 500 lb (227 kg) lift capacity

#### PRODUCTIVITY

- 4 ft 11 in (1.50 m) width
- 2 ft 11 in (.87 m) inside turning radius
- 4 ft (1.22 m) jib boom with 130° working range
- Self-leveling platform
- Hydraulic platform rotation
- Fully proportional controls
- Thumb rocker steer
- Drive enable
- AC power cord to platform
- Horn
- Hour meter
- Tilt alarm
- Descent, motion, & travel alarms
- Hydraulic filter condition monitor
- 355° non-continuous turntable rotation
- Variable speed high efficiency hydraulic power unit
- AC electric drive system
- Traction control
- On-board easy to understand diagnostics

#### POWER

- 48 V DC deep cycle battery pack
- 24 V DC auxiliary power
- 25 Amp 48 V battery charger
- Battery charge indicator
- Low battery voltage interrupt



### OPTIONS & ACCESSORIES

#### PRODUCTIVITY

- Platform swing gate
- Half-mesh platform inserts with swing gate
- Air line to platform
- Fire resistant hydraulic oil
- Biodegradable hydraulic oil
- Hostile environment package
- Tool tray
- Fluorescent tube caddy
- Pipe cradle (pair)
- Flashing beacon
- Platform work lights
- Front driving lights
- Lockable platform control box cover
- Retained key selector switch

#### POWER

- 800 watt inverter

#### Working At Height Limited

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