

# 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

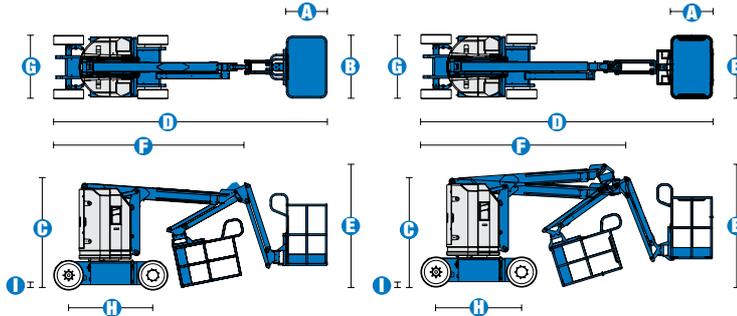
Z™-40/23N

Z™-40/23N RJ

# SELF-PROPELLED ARTICULATING BOOMS

## Z™-30/20N & Z™-30/20N RJ

### Specifications



MODELS	Z™-30/20N		Z™-30/20N RJ	
MEASUREMENTS	Metric	US	Metric	US
Working height max*	11.14 m	36 ft	10.89 m	35 ft 2 in
Platform height max	9.14 m	30 ft	8.89 m	29 ft 2 in
Horizontal reach max	6.53 m	21 ft 5 in	6.25 m	20 ft 6 in
Up-and-over clearance max	3.86 m	12 ft 8 in	3.86 m	12 ft 8 in
<b>A</b> Platform length	76 cm	2 ft 6 in	76 cm	2 ft 6 in
<b>B</b> Platform width	1.22 m	4 ft	1.22 m	4 ft
<b>C</b> Height - stowed	2 m	6 ft 6.5 in	2 m	6 ft 6.5 in
<b>D</b> Length - stowed	5.11 m	16 ft 9 in	5.31 m	17 ft 5 in
<b>E</b> Storage height	2.08 m	6 ft 10 in	2.24 m	7 ft 4 in
<b>F</b> Storage length	3.5 m	11 ft 6 in	3.8 m	12 ft
<b>G</b> Width	1.19 m	3 ft 11 in	1.19 m	3 ft 11 in
<b>H</b> Wheelbase	1.60 m	5 ft 3 in	1.60 m	5 ft 3 in
<b>I</b> Ground clearance - centre	89 cm	3.5 in	89 cm	3.5 in

PRODUCTIVITY				
Lift capacity	227 kg	500 lbs	227 kg	500 lbs
Platform rotation	180°	180°	180°	180°
Vertical jib rotation	144°	144°	144°	144°
Horizontal jib rotation	—	—	200°	200°
Turntable rotation	355° non-continuous		355° non-continuous	
Turntable tailswing	zero	zero	zero	zero
Drive speed - stowed	4.8 km/h	3.0 mph	4.8 km/h	3.0 mph
Drive speed - raised**	1.1 km/h	0.68 mph	1.1 km/h	0.68 mph
Gradeability***	35%	35%	35%	35%
Turning radius - inside	1.65 m	5 ft 5 in	1.65 m	5 ft 5 in
Turning radius - outside	3.20 m	10 ft 7 in	3.20 m	10 ft 7 in
Controls	24 V DC proportional		24 V DC proportional	
Tyres - solid non-marking	56x18x45 cm	22x7x17.75 in	56x18x45 cm	22x7x17.75 in

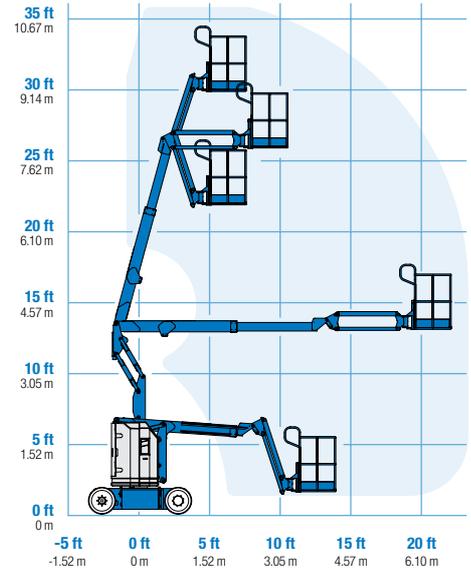
POWER				
Power source	48 V DC (Eight 6 V batteries 350 Ah capacity)		48 V DC (Eight 6 V batteries 350 Ah capacity)	
Auxiliary power unit	24 V DC	24 V DC	24 V DC	24 V DC
Hydraulic tank capacity	15.1 L	4 gal	15.1 L	4 gal

WEIGHT****				
CE	6,427 kg	14,170 lbs	6,450 kg	14,220 lbs

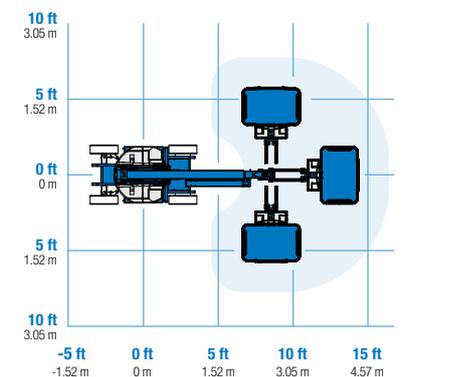
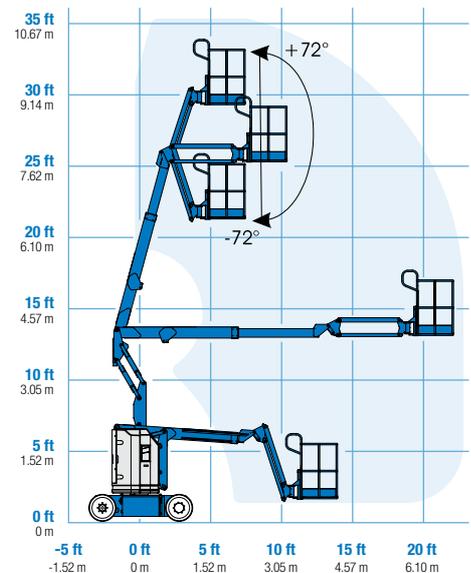
**STANDARDS COMPLIANCE** CE EN280, PB-10-611-03

\* 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



## Features

### EASILY CONFIGURED TO MEET YOUR NEEDS

#### PLATFORM

- Steel 3 ft 10 in (1.17 m) (standard)

#### JIB OPTIONS

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

#### POWER

- 48 V DC power source

#### DRIVE

- 2WD

#### TIRE

- Solid rubber non-marking

### STANDARD FEATURES

#### MEASUREMENTS

##### Z™-30/20N

- 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

##### Z™-30/20N RJ

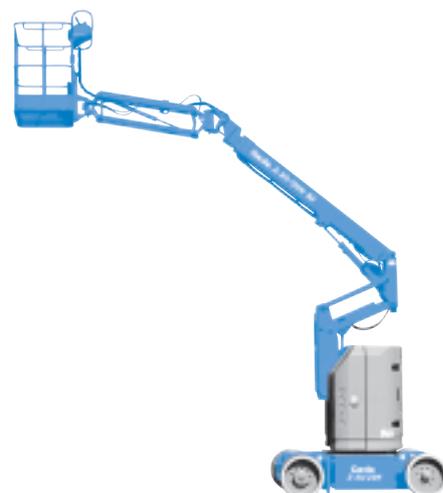
- 35 ft 2 in (10.89 m) working height
- 20 ft 6 in (6.25 m) horizontal reach
- 12 ft 8 in (3.86 m) up and over clearance
- Up to 500 lb (227 kg) lift capacity

#### PRODUCTIVITY

- 4 ft (1.22 m) jib boom with 139° 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 & travel alarms
- 355° non-continuous turntable rotation
- Zero tailswing and front arm swing
- Sep-Ex drive system

#### POWER

- 48 V DC deep cycle battery pack
- 24 V DC auxiliary power
- 25 Amp 48 V battery charger



### OPTIONS & ACCESSORIES

#### PRODUCTIVITY

- Platform swing gate
- Half-mesh platform inserts with swing gate
- Air line to platform
- Deluxe aircraft protection package (Z30N only)
- Fire resistant hydraulic oil
- Biodegradable hydraulic oil
- Tool tray
- Fluorescent tube caddy
- Pipe cradle (pair)
- Flashing beacon
- Platform work lights
- Lockable platform control box cover
- Front driving lights

#### POWER

- EE UL583 Fire Protection rating
- Battery charge indicator (BCI)
- Low voltage interrupt with BCI
- 800 watts inverter
- Retained key selector switch

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