Specifications

MODELS Z™-40/23N & Z™-40/23N RJ

**MEASUREMENTS**

<table>
<thead>
<tr>
<th></th>
<th>Z™-40/23N</th>
<th>Z™-40/23N RJ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working height maximum*</td>
<td>46 ft 5 in</td>
<td>46 ft 5 in</td>
</tr>
<tr>
<td>Platform height maximum</td>
<td>40 ft 5 in</td>
<td>40 ft 5 in</td>
</tr>
<tr>
<td>Horizontal reach maximum</td>
<td>22 ft 8 in</td>
<td>22 ft 8 in</td>
</tr>
<tr>
<td>Up and over clearance maximum</td>
<td>21 ft 3 in</td>
<td>21 ft 3 in</td>
</tr>
<tr>
<td>Platform length</td>
<td>2 ft 6 in</td>
<td>2 ft 6 in</td>
</tr>
<tr>
<td>Platform width</td>
<td>4 ft 6 in</td>
<td>3 ft 10 in</td>
</tr>
<tr>
<td>Height - stowed</td>
<td>6 ft 6 in</td>
<td>6 ft 6 in</td>
</tr>
<tr>
<td>Length - stowed</td>
<td>21 ft 5 in</td>
<td>21 ft 5 in</td>
</tr>
<tr>
<td>Width</td>
<td>4 ft 11 in</td>
<td>4 ft 11 in</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>6 ft 5 in</td>
<td>6 ft 5 in</td>
</tr>
<tr>
<td>Ground clearance - center</td>
<td>7 in</td>
<td>7 in</td>
</tr>
</tbody>
</table>

**PRODUCTIVITY**

<table>
<thead>
<tr>
<th></th>
<th>US</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift capacity</td>
<td>500 lbs</td>
<td>227 kg</td>
</tr>
<tr>
<td>Platform rotation</td>
<td>180°</td>
<td>180°</td>
</tr>
<tr>
<td>Vertical jib rotation</td>
<td>130°</td>
<td>130°</td>
</tr>
<tr>
<td>Horizontal jib rotation</td>
<td>—</td>
<td>180°</td>
</tr>
<tr>
<td>Turntable rotation</td>
<td>355° non-continuous</td>
<td>355° non-continuous</td>
</tr>
<tr>
<td>Turntable tailswing</td>
<td>5 in</td>
<td>1.3 m</td>
</tr>
<tr>
<td>Drive speed - stowed</td>
<td>4.5 mph</td>
<td>7.2 km/h</td>
</tr>
<tr>
<td>Drive speed - raised**</td>
<td>0.68 mph</td>
<td>1.1 km/h</td>
</tr>
<tr>
<td>Gradeability - stowed***</td>
<td>30%</td>
<td>30%</td>
</tr>
<tr>
<td>Turning radius - inside</td>
<td>2 ft 11 in</td>
<td>.87 m</td>
</tr>
<tr>
<td>Turning radius - outside</td>
<td>10 ft 6 in</td>
<td>3.20 m</td>
</tr>
<tr>
<td>Controls</td>
<td>24 V DC proportional</td>
<td>24 V DC proportional</td>
</tr>
<tr>
<td>Tires - front</td>
<td>22x7x17.75 in</td>
<td>.56x18.45 m</td>
</tr>
<tr>
<td>Tires - rear</td>
<td>25.6 x 7 in</td>
<td>.64 x .18 m</td>
</tr>
</tbody>
</table>

**POWER**

<table>
<thead>
<tr>
<th></th>
<th>US</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>48 V DC (eight 6 V batteries)</td>
<td>48 V DC (eight 6 V batteries)</td>
</tr>
<tr>
<td>Drive system</td>
<td>29 V 3 phase AC</td>
<td>29 V 3 phase AC</td>
</tr>
<tr>
<td>Auxiliary power unit</td>
<td>24 V DC</td>
<td>24 V DC</td>
</tr>
<tr>
<td>Hydraulic tank capacity</td>
<td>8 gal</td>
<td>30.2 L</td>
</tr>
<tr>
<td></td>
<td>8 gal</td>
<td>30.2 L</td>
</tr>
</tbody>
</table>

**WEIGHT***

<table>
<thead>
<tr>
<th></th>
<th>US</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15,230 lbs</td>
<td>6,908 kg</td>
</tr>
<tr>
<td></td>
<td>15,300 lbs</td>
<td>6,940 kg</td>
</tr>
</tbody>
</table>

**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.

www.genieindustries.com
SELF-PROPELLED ARTICULATING BOOMS
Z™-40/23N & 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)

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
• Universal 30A battery smart 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 120VAC power inverter

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