### Self-Propelled Articulating Booms

#### Specifications

**Models**

<table>
<thead>
<tr>
<th>Measurements</th>
<th>Z-30/20N DC</th>
<th>Z-30/20N RJ DC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>US</strong></td>
<td><strong>Metric</strong></td>
<td><strong>US</strong></td>
</tr>
<tr>
<td>Working height maximum*</td>
<td>36 ft</td>
<td>11.14 m</td>
</tr>
<tr>
<td>Platform height maximum</td>
<td>30 ft</td>
<td>9.14 m</td>
</tr>
<tr>
<td>Horizontal reach maximum</td>
<td>21 ft 5 in</td>
<td>6.53 m</td>
</tr>
<tr>
<td>Up and over clearance maximum</td>
<td>12 ft 8 in</td>
<td>3.86 m</td>
</tr>
<tr>
<td><strong>Platform length</strong></td>
<td>2 ft 6 in</td>
<td>0.76 m</td>
</tr>
<tr>
<td><strong>Platform width</strong></td>
<td>3 ft 10 in</td>
<td>1.17 m</td>
</tr>
<tr>
<td><strong>Height - stowed</strong></td>
<td>6 ft 6.5 in</td>
<td>2 m</td>
</tr>
<tr>
<td><strong>Length - stowed</strong></td>
<td>16 ft 9 in</td>
<td>5.11 m</td>
</tr>
<tr>
<td>Storage height</td>
<td>6 ft 7 in</td>
<td>2.08 m</td>
</tr>
<tr>
<td>Storage length</td>
<td>11 ft 6 in</td>
<td>3.5 m</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>3 ft 11 in</td>
<td>1.19 m</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>5 ft 2 in</td>
<td>1.58 m</td>
</tr>
<tr>
<td><strong>Ground clearance - center</strong></td>
<td>3.5 in</td>
<td>0.09 m</td>
</tr>
</tbody>
</table>

#### Productivity

- **Lift capacity**
  - 500 lb 227 kg
  - 500 lb 227 kg
- **Platform rotation**
  - 180°
- **Vertical jib rotation**
  - 139°
- **Horizontal jib rotation**
  - 180°
- **Turntable rotation**
  - 355° non-continuous
- **Turntable tailswing**
  - 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%
- **Tilt sensor activation**
  - front to back: 2.5° and side to side: 4.5°
- **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
  - 4 gal 15.1 L

#### Weight****

- 14,183 lb 6,433 kg
- 14,233 lb 6,455 kg

#### Standards Compliance

- ANSI A92.20, CSA B354.6, EN 280, AS 1418.10

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* 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.

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Features

### 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
- 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
- Lift Connect™ Telematics
- Platform load sense

**Power**
- 48 V DC deep cycle battery pack
- 24 V DC auxiliary power
- Universal 30A battery smart charger

### Easily Configured To Meet Your Needs

**Platform**
- Steel 3 ft 10 in (1.17 m) with sliding mid-rail

**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

### Options & Accessories

**Productivity**
- 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

**Power**
- AGM batteries
- EE UL583 Fire Protection rating
- Battery charge indicator (BCI)
- Low voltage interrupt with BCI
- 800 watt 120VAC power inverter

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

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