Self-Propelled Articulating Booms

**Specifications**

**Models**

<table>
<thead>
<tr>
<th>Measurements</th>
<th>Metric</th>
<th>US</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working height maximum*</td>
<td>17.59 m</td>
<td>57 ft 8 in</td>
</tr>
<tr>
<td>Platform height maximum</td>
<td>15.59 m</td>
<td>51 ft 2 in</td>
</tr>
<tr>
<td>Horizontal reach maximum</td>
<td>9.37 m</td>
<td>30 ft 9 in</td>
</tr>
<tr>
<td>Up-and-over clearance maximum</td>
<td>7.39 m</td>
<td>24 ft 3 in</td>
</tr>
<tr>
<td><strong>Platform length</strong></td>
<td>0.76 m</td>
<td>2 ft 6 in</td>
</tr>
<tr>
<td><strong>Platform width</strong></td>
<td>1.83 m</td>
<td>6 ft</td>
</tr>
<tr>
<td><strong>Height - stowed</strong></td>
<td>2.13 m</td>
<td>7 ft</td>
</tr>
<tr>
<td><strong>Length - stowed</strong></td>
<td>7.58 m</td>
<td>24 ft 11 in</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>2.29 m</td>
<td>7 ft 6 in</td>
</tr>
<tr>
<td><strong>Wheelbase</strong></td>
<td>2.03 m</td>
<td>6 ft 8 in</td>
</tr>
<tr>
<td><strong>Ground clearance - centre</strong></td>
<td>0.375 m</td>
<td>1 ft 3 in</td>
</tr>
</tbody>
</table>

**Productivity**

| Lift capacity                    | 227 kg     | 500 lbs    |
| Platform rotation                | 160°       | 160°       |
| Vertical jib rotation            | 135° (+78°/-57°) |
| Turntable rotation               | 355° non-continuous |
| Turntable tailswing              | zero       | zero       |
| Drive speed - stowed             | 8 km/h     | 5 mph      |
| Drive speed - raised**           | 1 km/h     | 0.61 mph   |
| Gradeability - 4WD - stowed***   | 45%        | 45%        |
| Turning radius - inside          | 1.68 m     | 5 ft 6 in  |
| Turning radius - outside         | 4.50 m     | 14 ft 9 in |

| Controls                         | 12 V DC proportional |
| Tyres                            | 315/55 D20 foam filled |

**Power**

- Power source: Deutz D2011 L03i 3 cylinder diesel 35.8 kW (48 hp)
- Auxiliary power unit: 12 V DC
- Hydraulic tank capacity: 90.9 L
- Fuel tank capacity: 64.4 L

**Sound & Vibration Levels**

- Sound pressure level (ground workstation): 86 dBA
- Sound pressure level (platform workstation): 79 dBA
- Vibration: <2.5 m/s²
- **Vibration**: <8 ft 2 in/s²

**Weight****

- 7,394 kg
- 16,300 lbs

**Standards Compliance**

- EU Directives: 2006/42/EC - Machinery (harmonized standard EN280); 2004/108/EC (EMC); 2000/14/EC (Outdoor Noise)

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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 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.
**Self-Propelled Articulating Booms**

**Z®-51/30J RT**

### Features

<table>
<thead>
<tr>
<th>Standard Features</th>
<th>Easily Configured To Meet Your Needs</th>
<th>Options &amp; Accessories</th>
</tr>
</thead>
</table>

#### Measurements

**Z-51/30J RT**
- 17.59 m (57 ft 8 in) working height
- 9.37 m (30 ft 9 in) horizontal reach
- 7.39 m (24 ft 3 in) up and over clearance
- Up to 227 kg (500 lbs) lift capacity

#### Productivity
- Self-leveling platform
- Proportional joystick controls
- Telematics-Ready Connector
- Thumb rocker steering
- Drive enable
- Chassis tilt drive function cut-out
- AC power cord to platform
- Horn
- Hour meter
- Tilt alarm
- Descent & travel alarms
- Flashing beacon
- 360° non-continuous turntable rotation
- Positive traction drive
- Two speed wheel motors
- Hydraulic oil cooler
- Dual parallelogram for vertical wall tracking
- Zero Tailswing
- Lift Guard™ Contact Alarm

#### Power
- 12 V DC auxiliary power
- Engine protection package
- Deutz intake air heater

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**Productivity**

- Half mesh platform
- Platform auxiliary top rail
- Air line to platform
- Power to platform: plug, socket, with optional Residual-current Circuit Breaker with Overcurrent protection
- Work lights package (2 on chassis, 2 on platform) (1)
- Biodegradable hydraulic oil
- Chassis tilt lift function cut-out (software setting)
- Track & Trace (2) (GPS unit providing machine location & operating information)
- Lockable platform control box cover
- Operator Protective Structure (3)
- Tool Tray (3)
- Fall Arrest Bar (3)

#### Power

- Diesel catalytic scrubber
- Engine gauge package (oil pressure & temperature) (3)
- AC generator packages (110V/60Hz - 220V/50Hz, 2200W, hydraulically driven)
- Low temperature cut-out module
- EMEAR Cold Start kit: Inc. Engine heater & battery charger

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(1) Factory-fit option only  
(2) Includes a first 2 years subscription  
(3) Aftermarket only