Self-Propelled Articulating Booms

Z®-45/25J DC/Bi-Energy

Specifications

<table>
<thead>
<tr>
<th>Measurements</th>
<th>Metric</th>
<th>US</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working height maximum*</td>
<td>15.94 m</td>
<td>51 ft 9 in</td>
</tr>
<tr>
<td>Platform height maximum</td>
<td>13.94 m</td>
<td>45 ft 9 in</td>
</tr>
<tr>
<td>Horizontal reach maximum</td>
<td>7.65 m</td>
<td>25 ft 1 in</td>
</tr>
<tr>
<td>Up and over clearance</td>
<td>7.24 m</td>
<td>23 ft 9 in</td>
</tr>
<tr>
<td>Platform length</td>
<td>0.76 m</td>
<td>2 ft 6 in</td>
</tr>
<tr>
<td>Platform width</td>
<td>1.83 m</td>
<td>6 ft</td>
</tr>
<tr>
<td>Height - stowed</td>
<td>2.00 m</td>
<td>6 ft 7 in</td>
</tr>
<tr>
<td>Length - stowed</td>
<td>6.83 m</td>
<td>22 ft 5 in</td>
</tr>
<tr>
<td>Width</td>
<td>1.79 m</td>
<td>5 ft 10.3 in</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>2.03 m</td>
<td>6 ft 8 in</td>
</tr>
<tr>
<td>Ground clearance - center</td>
<td>0.24 m</td>
<td>9.5 in</td>
</tr>
</tbody>
</table>

Productivity

- Lift capacity: 227 kg (500 lbs)
- Platform rotation: 160° (160°)
- Vertical jib rotation: 135° (135°)
- Turntable rotation: 355° non-continuous
- Turntable tailswing: zero
- Drive speed - stowed: 4.8 km/h (3.0 mph)
- Drive speed - raised**: 1.0 km/h (0.61 mph)
- Gradeability - stowed***: 30% (30%)
- Turning radius - inside: 1.8 m (6 ft)
- Turning radius - outside: 4.27 m (14 ft)

Controls: 24V DC proportional

Tyres: 23 x 37 cm (9 x 14.5 in)

Power

- Power source - DC: 48V DC (eight 6 V batteries, 350 Ah capacity)
- Power source - Bi-Energy: 48V DC (eight 6 V batteries, 350 Ah capacity) with Tier IV Kubota 9.9 kW (13.3 hp) diesel driven alternator

Auxiliary power unit: 24V DC

Hydraulic tank capacity: 30.3 L (8 gal)

Fuel tank capacity - Bi-Energy: 34.1 L (9 gal)

Sound & Vibration Levels

- Sound pressure level (ground workstation): 70 dBA (DC) 78 dBA (Bi)
- Sound pressure level (platform workstation): 70 dBA (DC) 76 dBA (Bi)
- Vibration: <2.5 m/s² <8 ft 2 in/s²

Weight****

- CE DC foam filled tyres: 7,394 kg (16,300)
- CE Bi-Energy foam filled tyres: 7,620 kg (16,800)

Standards Compliance

EU Directives: 2006/42/EC - Machinery (harmonized standard EN280); 2004/108/EC (EMC); 2006/95/EC (LVD); 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®-45/25J DC/Bi-Energy

### Features

#### Standard Features

<table>
<thead>
<tr>
<th>Measurements</th>
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<tbody>
<tr>
<td>• 15.94 m (51 ft 9 in) working height</td>
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<tr>
<td>• 7.65 m (25 ft 1 in) horizontal reach</td>
</tr>
<tr>
<td>• 7.24 m (23 ft 9 in) up and over clearance</td>
</tr>
<tr>
<td>• Up to 227 kg (500 lbs) lift capacity</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jib</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Articulating 1.52 m (5 ft) jib boom</td>
</tr>
</tbody>
</table>

<table>
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<th>Power Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 48V DC (eight 6V 350 Ah batteries)</td>
</tr>
<tr>
<td>• On board alternator powered by Tier IV Kubota 9.9 kW (13.3 hp) engine (Bi-energy model only)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drive</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 2 x 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tyre Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Industrial foam-filled (standard)</td>
</tr>
<tr>
<td>• Industrial non-marking foam-filled</td>
</tr>
</tbody>
</table>

### Productivity

#### Platform

- Steel 1.83 m (6 ft) dual entry with side swing gate

#### Platform

- Half-mesh platform inserts with swing gate
- 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
- Hostile environment kit (1): cylinder bellows, boom wiper seals and platform control box covers
- Aircraft protection kit (1,3): platform foam padding and padded disable system
- Chassis tilt lift function cut-out kit
- Track & Trace (4) (GPS unit providing machine location & operating information)
- Lockable platform control box cover
- Tool tray (2)
- Operator Protective Structure
- Panel cradle package (2) (5)
- Fall Arrest Bar (2) (6)
- Bi-leveling platform
- Hydraulic platform rotation
- Proportional joystick controls
- Telematics-Ready Connector
- Thumb rocker steer
- Drive enable
- AC power to platform
- Horn
- Hour meter
- Tilt alarm
- Descent & travel alarms
- Flashing beacon
- 355° non-continuous turntable rotation
- Zero tailswing
- Dual parallelogram for vertical wall tracking
- Certified load sensor
- Lift Guard™ Contact Alarm

### Power

- AGM maintenance-free batteries (1)
- Diesel catalytic muffler (Bi-Energy only)
- Low temperature cut-out module
- EMEAR Cold Start kit: Inc. Engine heater & battery charger

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(1) Factory-fit option only
(2) Aftermarket only
(3) Reduces load capacity of about 27 kg (60 lb). Only available with 1.83 m (6 ft) platform, not available with any other platforms nor options on the platform
(4) Includes a first 2 years subscription
(5) Fall Arrest Bar not available with Panel Cradle and viceversa

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