Self-Propelled Articulating Booms

Z®-80/60

Specifications

Model Z-80/60

<table>
<thead>
<tr>
<th>Measurements</th>
<th>Metric</th>
<th>US</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working height maximum*</td>
<td>25.77 m</td>
<td>84 ft</td>
</tr>
<tr>
<td>Platform height maximum</td>
<td>23.77 m</td>
<td>78 ft</td>
</tr>
<tr>
<td>Horizontal reach maximum</td>
<td>18.29 m</td>
<td>60 ft</td>
</tr>
<tr>
<td>Up and over clearance maximum</td>
<td>8.83 m</td>
<td>29 ft</td>
</tr>
<tr>
<td>Below ground reach</td>
<td>4.83 m</td>
<td>15 ft 10 in</td>
</tr>
<tr>
<td>Platform length - 8 ft / 6 ft</td>
<td>0.91 m / 0.76 m</td>
<td>3 ft 0 in / 2 ft 6 in</td>
</tr>
<tr>
<td>Height - stowed</td>
<td>3.00 m</td>
<td>9 ft 10 in</td>
</tr>
<tr>
<td>Length - stowed</td>
<td>11.27 m</td>
<td>37 ft</td>
</tr>
<tr>
<td>Length - transport</td>
<td>11.27 m</td>
<td>37 ft</td>
</tr>
<tr>
<td>Width</td>
<td>2.49 m</td>
<td>8 ft 2 in</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>2.85 m</td>
<td>9 ft 4 in</td>
</tr>
<tr>
<td>Ground clearance - center</td>
<td>0.30 m</td>
<td>12 in</td>
</tr>
</tbody>
</table>

Productivity

- Lift capacity: 227 kg / 500 lbs
- Platform rotation: 160° / 160°
- Vertical jib rotation: 135° / 135°
- Turntable rotation: 360° continuous

- Turntable tailswing - riser up: 1.17 m / 3 ft 10 in
- Turntable tailswing - riser down: 2.24 m / 7 ft 4 in
- Drive speed - stowed: 4.83 km/h / 3.0 mph
- Drive speed - raised**: 1.1 km/h / 0.68 mph
- Lift speed to full height: 76 sec / 76 sec
- Gradeability - 4WD - stowed***: 45% / 45%
- Turning radius - 2WS inside: 4.42 m / 14 ft 6 in
- Turning radius - 2WS outside: 7.47 m / 24 ft 6 in
- Turning radius - 4WS inside: 2.13 m / 7 ft
- Turning radius - 4WS outside: 4.57 m / 15 ft
- Controls: 12 V DC proportional
- Tyres: 18-625 NHS

Power

- Power source: Deutz Stage III B TD2.9 L4 4 cylinder turbo diesel 55 kW (74 hp)
- Auxiliary power unit: 12 V DC / 12 V DC
- Hydraulic tank capacity: 170 L / 45 gal
- Fuel tank capacity: 132 L / 35 gal

Sound & Vibration Levels

- Sound pressure level (ground workstation): 85 dBA / 85 dBA
- Sound pressure level (platform workstation): 74 dBA / 74 dBA
- Vibration: <2.5 m/s² / <8 ft 2 in/s²

Weight****

- CE 4WD/2WS: 16,284 kg / 35,900 lbs
- CE 4WD/4WS: 17,010 kg / 37,500 lbs

Standards Compliance

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

* 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.
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Z®-80/60

Features

Standard Features

Measurements
- 25.77 m (84 ft) working height
- 18.29 m (60 ft) horizontal reach
- 8.83 m (29 ft) up and over clearance
- Up to 227 kg (500 lbs) lift capacity

Productivity
- Self-leveling platform
- Hydraulic platform rotation
- Proportional joystick controls
- Telematics-Ready Connector
- Thumb rocker steering
- On board diagnostics
- Hydraulic oil cooler
- Drive enable
- Chassis tilt drive function cut-out
- AC power cord to platform
- Horn
- Hour meter
- Tilt alarm
- Descent & travel alarms
- Flashing beacon
- 360° continuous turntable rotation
- Locking turntable covers
- Full-time positive traction drive
- Two speed wheel motors
- Four steering modes: front, rear, crab and coordinated
- Configurable controls to limit lift height to 70 ft
- Lift Guard™ Contact Alarm

Power
- 12 V DC auxiliary power
- Anti-restart engine protection
- Auto engine fault shutdown
- Engine monitoring display
- Dual battery
- Engine status display
- Intake air heater (Deutz engine)

Axle
- Active oscillation

Easily Configured To Meet Your Needs

Platform Options
- Steel 2.44 m (8 ft) tri-entry with side swing gate (standard)
- Steel 1.83 m (6 ft) dual entry with side swing gate

Jib
- Articulating 1.83 m (6 ft) jib boom with 135° range

Engine Options
- Deutz turbo diesel 55 kW (74 hp), Stage IIIA
- Deutz turbo diesel 55 kW (74 hp), Stage IIIA

Drive/Steer Options
- 4 x 4 x 2 (standard)
- 4 x 4 x 4

Tyre Options
- Rough terrain foam-filled (standard)
- Rough terrain non-marking foam-filled

Options & Accessories

Productivity Options
- Half-mesh platform inserts
- Platform auxiliary top rail
- Air line to platform (1)
- Power to platform: plug, socket, with optional Residual-current Circuit Breaker with Overcurrent protection
- Work lights package (2 on chassis, 2 on platform) (1)
- Dual axis joystick steering (1)
- Biodegradable hydraulic oil
- Aircraft protection kit (1,4): platform foam padding and platform disable system
- Hostile environment kit (1): cylinder bellows, boom wiper seals, platform and ground control box covers
- Deluxe hostile environment kit (1): adds to basic kit center turntable shield, ring gear guard, tail pipe guard, engine cover flaps and air pre-cleaner
- Track & Trace (2) (GPS unit providing machine location & operating information)
- Chassis tilt lift function cut-out (software setting)
- Lockable platform control box covers
- Operator Protective Structure (3)
- Tool Tray (3)
- Fall Arrest Bar (3)

Power Options
- AC generator packages (110V/60Hz - 220V/50Hz, 3000W)
- Diesel air intake pre-cleaner (1)
- Diesel catalytic scrubber muffler (1) (Stage IIIA engine only)
- Low temperature cut-out module
- EMAR Cold Start kit: Inc. Engine heater & battery charger
- Cold weather packages (1)

(1) Factory-fit option only
(2) Includes a first 2 years subscription
(3) Aftermarket only
(4) Reduces load capacity of about 27 kg (60 lb). Only available with 1.83 m (6 ft) platform, not available with any other platforms or options on the platform

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