

# Self-Propelled Articulating Booms

Z™ -45/25 RT & Z-45/25J RT

## Specifications

| Models                             | Z-45/25 RT |             | Z-45/25J RT |             |
|------------------------------------|------------|-------------|-------------|-------------|
| Measurements                       | Metric     | US          | Metric      | US          |
| Working height maximum*            | 15.97 m    | 51 ft 10 in | 16.05 m     | 52 ft 1 in  |
| Platform height maximum            | 13.97 m    | 45 ft 10 in | 14.05 m     | 46 ft 1 in  |
| Horizontal reach maximum           | 7.49 m     | 24 ft 7 in  | 7.52 m      | 24 ft 8 in  |
| Up and over clearance maximum      | 7.14 m     | 23 ft 5 in  | 7.14 m      | 23 ft 5 in  |
| <b>A</b> Platform length           | 0.76 m     | 2 ft 6 in   | 0.76 m      | 2 ft 6 in   |
| <b>B</b> Platform width            | 1.83 m     | 6 ft        | 1.83 m      | 6 ft        |
| <b>C</b> Height - stowed           | 2.13 m     | 7 ft        | 2.13 m      | 7 ft        |
| <b>D</b> Length - stowed           | 5.38 m     | 17 ft 8 in  | 6.65 m      | 21 ft 10 in |
| <b>E</b> Width                     | 2.29 m     | 7 ft 6 in   | 2.29 m      | 7 ft 6 in   |
| <b>F</b> Wheelbase                 | 2.03 m     | 6 ft 8 in   | 2.03 m      | 6 ft 8 in   |
| <b>G</b> Ground clearance - center | 0.37 m     | 1 ft 2.5 in | 0.37 m      | 1 ft 2.5 in |

## Productivity

|                                |                      |            |                      |            |
|--------------------------------|----------------------|------------|----------------------|------------|
| Lift capacity                  | 227 kg               | 500 lbs    | 227 kg               | 500 lbs    |
| Platform rotation              | 180°                 | 180°       | 160°                 | 160°       |
| Vertical Jib rotation          | —                    | —          | 135°                 | 135°       |
| Turntable rotation             | 355° non-continuous  |            | 355° non-continuous  |            |
| Turntable tailswing            | zero                 | zero       | zero                 | zero       |
| Drive speed - stowed           | 7.24 km/h            | 4.5 mph    | 7.24 km/h            | 4.5 mph    |
| Drive speed - raised **        | 1.00 km/h            | 0.61 mph   | 1.00 km/h            | 0.61 mph   |
| Gradeability - 4WD - stowed*** | 45%                  | 45%        | 45%                  | 45%        |
| Turning radius - inside        | 1.68 m               | 5 ft 6 in  | 1.68 m               | 5 ft 6 in  |
| Turning radius - outside       | 4.50 m               | 14 ft 9 in | 4.50 m               | 14 ft 9 in |
| Controls                       | 12 V DC proportional |            | 12 V DC proportional |            |
| Tyres                          | 355/55 D20           |            | 355/55 D20           |            |

## Power

|                         |                                                                                                                    |        |         |        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------|--------|---------|--------|
| Power source            | Deutz diesel D2011L03i 3 cylinder diesel 35.8 kW (48 hp)<br>Perkins diesel 404-D22 4 cylinder diesel 38 kW (51 hp) |        |         |        |
| Auxiliary power unit    | 12 V DC                                                                                                            |        | 12 V DC |        |
| Hydraulic tank capacity | 83 L                                                                                                               | 22 gal | 83 L    | 22 gal |
| Fuel tank capacity      | 64.4 L                                                                                                             | 17 gal | 64.4 L  | 17 gal |

## Sound & Vibration Levels

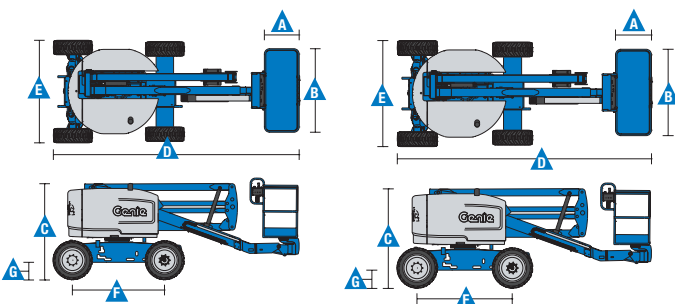
|                                             |                       |                           |                       |                           |
|---------------------------------------------|-----------------------|---------------------------|-----------------------|---------------------------|
| Sound pressure level (ground workstation)   | 87 dBA                | 87 dBA                    | 87 dBA                | 87 dBA                    |
| Sound pressure level (platform workstation) | 82 dBA                | 82 dBA                    | 82 dBA                | 82 dBA                    |
| Vibration                                   | <2.5 m/s <sup>2</sup> | <8 ft 2 in/s <sup>2</sup> | <2.5 m/s <sup>2</sup> | <8 ft 2 in/s <sup>2</sup> |

## Weight\*\*\*\*

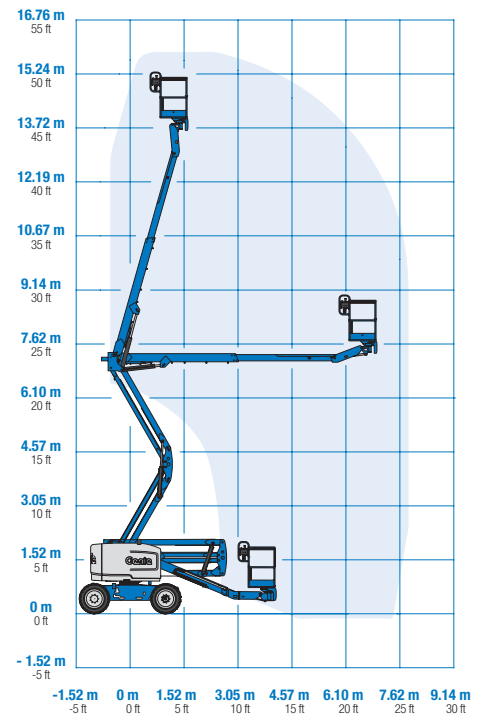
|                            |          |            |          |            |
|----------------------------|----------|------------|----------|------------|
| CE 4WD (air tyres)         | 6,078 kg | 13,400 lbs | 6,123 kg | 13,500 lbs |
| CE 4WD (foam filled tyres) | 6,415 kg | 14,144 lbs | 6,460 kg | 14,244 lbs |

## Standards Compliance

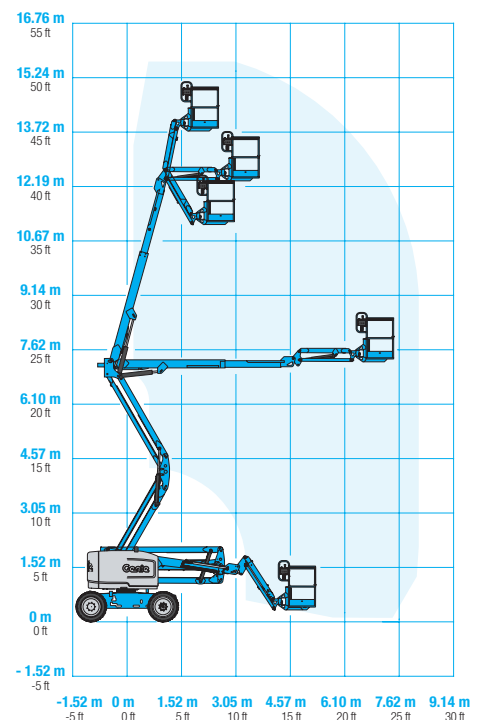
EU Directives: 2006/42/EC - Machinery Directive  
Harmonized Standards: EN280:2001+A2:2009; 2004/108/EC (EMC); 2000/14/EC (Outdoor Noise)



## Range Of Motion Z-45/25 RT



## Range Of Motion Z-45/25J RT



\* 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.

### Features

| Standard Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Easily Configured To Meet Your Needs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Options & Accessories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <p><b>Measurements</b></p> <p><b>Z-45/25 RT</b></p> <ul style="list-style-type: none"> <li>• 15.97 m (51 ft 10 in) working height</li> <li>• 7.49 m (24 ft 7 in) horizontal reach</li> <li>• 7.14 m (23 ft 5 in) up and over clearance</li> <li>• Up to 227 kg (500 lbs) lift capacity</li> </ul> <p><b>Z-45/25J RT</b></p> <ul style="list-style-type: none"> <li>• 16.05 m (52 ft 1 in) working height</li> <li>• 7.52 m (24 ft 8 in) horizontal reach</li> <li>• 7.14 m (23 ft 5 in) up and over clearance</li> <li>• Up to 227 kg (500 lbs) lift capacity</li> </ul> <p><b>Productivity</b></p> <ul style="list-style-type: none"> <li>• Self-levelling platform</li> <li>• Hydraulic platform rotation</li> <li>• Proportional joystick controls</li> <li>• Thumb rocker steering</li> <li>• Drive enable</li> <li>• AC power cord to platform</li> <li>• Horn</li> <li>• Hour meter</li> <li>• Tilt alarm</li> <li>• Descent &amp; travel alarms</li> <li>• Flashing beacon</li> <li>• 355° non-continuous turntable rotation</li> <li>• Positive traction drive</li> <li>• Two speed wheel motors</li> <li>• Certified load sensor</li> </ul> <p><b>Power</b></p> <ul style="list-style-type: none"> <li>• 12 V DC auxiliary power</li> <li>• Engine protection package</li> <li>• Deutz intake air heater</li> <li>• Swing out engine tray</li> </ul> | <p><b>Platform Options</b></p> <ul style="list-style-type: none"> <li>• Steel 1.83 m (6 ft) (standard)</li> <li>• Steel 1.17 m (3 ft 10 in) (option)</li> <li>• Steel 1.83 m (6 ft) tri-entry (option)</li> </ul> <p><b>Jib Options</b></p> <ul style="list-style-type: none"> <li>• Non-jib</li> <li>• Articulating 1.52 m (5 ft) jib boom</li> </ul> <p><b>Power Options</b></p> <ul style="list-style-type: none"> <li>• Deutz diesel 35.8 kW (48 hp)</li> <li>• Perkins diesel 38 kW (51 hp)</li> </ul> <p><b>Drive Options</b></p> <ul style="list-style-type: none"> <li>• 4 x 4</li> </ul> <p><b>Axle Options</b></p> <ul style="list-style-type: none"> <li>• Active oscillation</li> </ul> <p><b>Tyre Options</b></p> <ul style="list-style-type: none"> <li>• Rough terrain air-filled (standard)</li> <li>• Rough terrain foam-filled</li> <li>• Rough terrain non-marking (air or foam-filled)</li> </ul> | <p><b>Productivity</b></p> <ul style="list-style-type: none"> <li>• Platform top auxiliary rail</li> <li>• Air line to platform</li> <li>• Power to platform (incl. plug, socket and ground fault interrupt leakage on request)</li> <li>• Work lights package (2 on chassis, 2 on platform)</li> <li>• Dual axis joystick steering</li> <li>• Biodegradable hydraulic oil</li> <li>• Hostile environment kit <sup>(1)</sup>: cylinder bellows, boom wiper seals and platform control box covers</li> <li>• Aircraft protection kit <sup>(1,4)</sup>: platform foam padding and padded disable system (available on Jib models only)</li> <li>• Tilt cut-out option</li> <li>• Track &amp; Trace <sup>(2)</sup> (GPS unit providing machine location &amp; operating information)</li> <li>• Panel cradle package <sup>(1)</sup> (requires foam filled tyres &amp; tri-entry platform)</li> <li>• Lockable platform control box cover</li> <li>• Tool tray</li> <li>• Operator Protective Structure</li> <li>• Operator Protective Alarm</li> </ul> <p><b>Power</b></p> <ul style="list-style-type: none"> <li>• Diesel catalytic scrubber muffler with spark arrestor</li> <li>• Engine gauge package (oil pressure &amp; temperature)</li> <li>• AC generator packages (110V/60Hz - 220V/50Hz, 3000W)</li> <li>• Deutz V-belt Generator kit <sup>(3)</sup> (110V-220V)</li> <li>• Low temperature cut-out module</li> <li>• Engine heater option <sup>(3)</sup></li> <li>• Refinery kit with spark arrestor and electric or mechanical Chalmers valve <sup>(3)</sup></li> </ul> |



<sup>(1)</sup> Factory-fit option only  
<sup>(2)</sup> Includes a first 2 years subscription  
<sup>(3)</sup> Available with Deutz engine only  
<sup>(4)</sup> Reduces platform load capacity to 440 lbs

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