








# Self-Propelled Articulating Booms

Z<sup>™</sup> -45/25 & Z-45/25J DC/Bi-Energy

## Specifications

| Models                                                                                                      | Z-45/25 DC & Bi |              | Z-45/25J DC & Bi |              |
|-------------------------------------------------------------------------------------------------------------|-----------------|--------------|------------------|--------------|
| Measurements                                                                                                | Metric          | US           | Metric           | US           |
| Working height maximum*                                                                                     | 15.87 m         | 51 ft 6 in   | 15.94 m          | 51 ft 9 in   |
| Platform height maximum                                                                                     | 13.87 m         | 45 ft 6 in   | 13.94 m          | 45 ft 9 in   |
| Horizontal reach maximum                                                                                    | 7.62 m          | 25 ft        | 7.65 m           | 25 ft 1 in   |
| Up and over clearance maximum                                                                               | 7.04 m          | 23 ft 1 in   | 7.24 m           | 23 ft 9 in   |
|  Platform length           | 0.76 m          | 2 ft 6 in    | 0.76 m           | 2 ft 6 in    |
|  Platform width            | 1.83 m          | 6 ft         | 1.83 m           | 6 ft         |
|  Height - stowed           | 2.00 m          | 6 ft 7 in    | 2.00 m           | 6 ft 7 in    |
|  Length - stowed           | 5.56 m          | 18 ft 3 in   | 6.83 m           | 22 ft 5 in   |
|  Width                     | 1.79 m          | 5 ft 10.3 in | 1.79 m           | 5 ft 10.3 in |
|  Wheelbase                 | 2.03 m          | 6 ft 8 in    | 2.03 m           | 6 ft 8 in    |
|  Ground clearance - center | 0.24 m          | 9.5 in       | 0.24 m           | 9.5 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     | 4.8 km/h            | 3.0 mph     | 4.8 km/h            | 3.0 mph     |
| Drive speed - raised**   | 1.0 km/h            | 0.61 mph    | 1.0 km/h            | 0.61 mph    |
| Gradeability - stowed*** | 30%                 | 30%         | 30%                 | 30%         |
| Turning radius - inside  | 1.8 m               | 6 ft        | 1.8 m               | 6 ft        |
| Turning radius - outside | 4.27 m              | 14 ft       | 4.27 m              | 14 ft       |
| Controls                 | 24V DC proportional |             | 24V DC proportional |             |
| Tyres                    | 23 x 37 cm          | 9 x 14.5 in | 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                                                                                                      |       | 24V DC |       |
| Hydraulic tank capacity       | 30.3 L                                                                                                      | 8 gal | 30.3 L | 8 gal |
| Fuel tank capacity- Bi-Energy | 34.1 L                                                                                                      | 9 gal | 34.1 L | 9 gal |

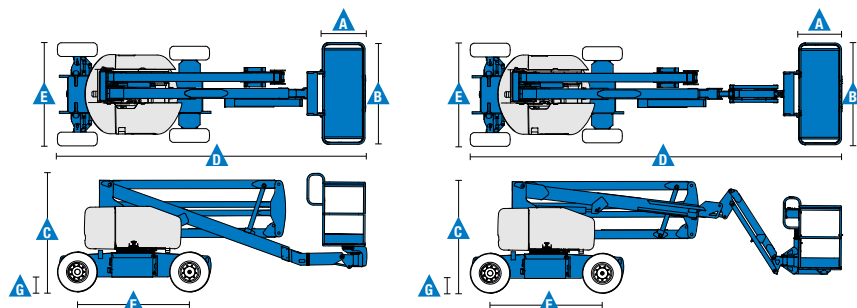
## Sound & Vibration Levels

|                                             |                       |                           |                       |                           |
|---------------------------------------------|-----------------------|---------------------------|-----------------------|---------------------------|
| Sound pressure level (ground workstation)   | 70 dBA (DC)           | 78 dBA (BI)               | 70 dBA (DC)           | 78 dBA (BI)               |
| Sound pressure level (platform workstation) | 70 dBA (DC)           | 76 dBA (BI)               | 70 dBA (DC)           | 76 dBA (BI)               |
| 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> |

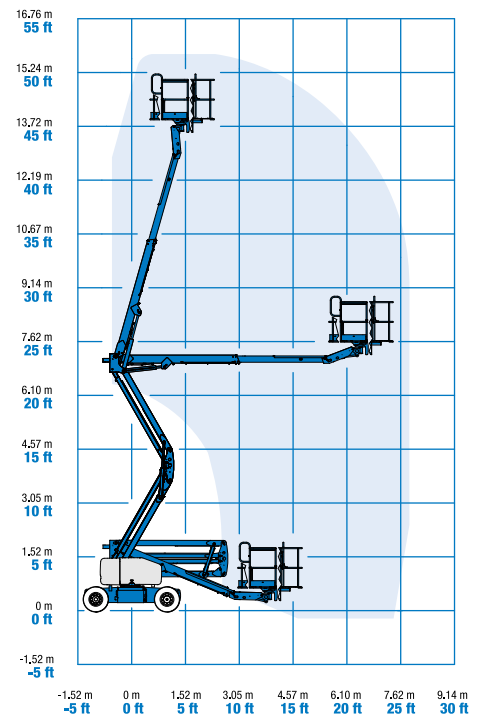
## Weight\*\*\*\*

|                                |          |            |          |        |
|--------------------------------|----------|------------|----------|--------|
| CE DC foam filled tyres        | 6,963 kg | 15,350 lbs | 7,394 kg | 16,300 |
| CE Bi-Energy foam filled tyres | 7,190 kg | 15,850 lbs | 7,620 kg | 16,800 |

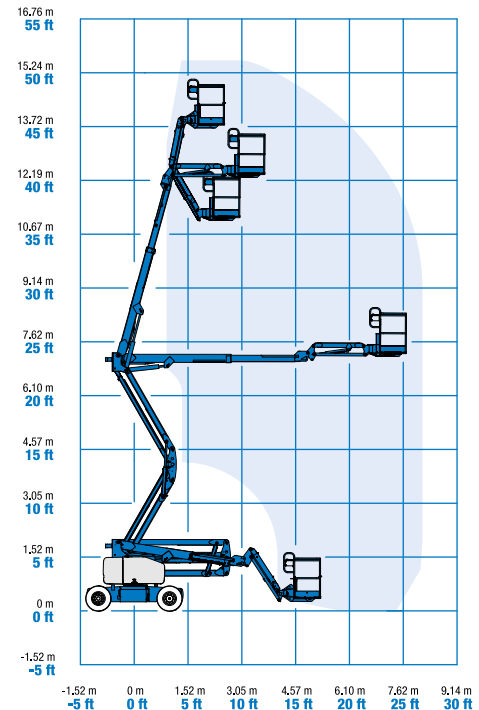
**Standards Compliance** EU Directives: 2006/42/EC - Machinery (harmonized standard EN280:2013); 2004/108/EC (EMC); 2006/95/EC (LVD); 2000/14/EC (Outdoor Noise)



Range Of Motion Z-45/25



Range Of Motion Z-45/25J



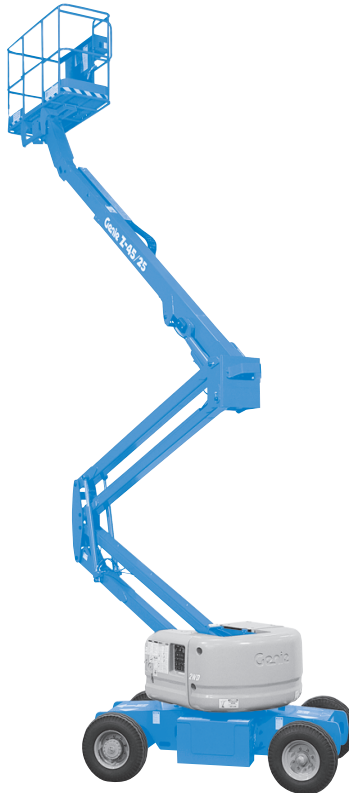
\* The metric equivalent of working height adds 2 m to platform height. U.S. adds 6 ft to platform height.  
 \*\* In lift mode (platform raised), the machine is designed to operate on firm, level surfaces only.  
 \*\*\* Gradeability applies to driving on slopes. See operator's manual for details regarding slope ratings.  
 \*\*\*\* Weight will vary depending on options and/or country standards.

# Self-Propelled Articulating Booms

Z™-45/25 & Z-45/25J DC/Bi-Energy

## 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</b></p> <ul style="list-style-type: none"> <li>15.87 m (51 ft 6 in) working height</li> <li>7.62 m (25 ft) horizontal reach</li> <li>7.04 m (23 ft 1 in) up and over clearance</li> <li>Up to 227 kg (500 lbs) lift capacity</li> </ul> <p><b>Z-45/25J</b></p> <ul style="list-style-type: none"> <li>15.94 m (51 ft 9 in) working height</li> <li>7.65 m (25 ft 1 in) horizontal reach</li> <li>7.24 m (23 ft 9 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>Telematics-Ready Connector</li> <li>Thumb rocker steer</li> <li>Drive enable</li> <li>AC power 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>Zero tailswing</li> <li>Certified load sensor</li> </ul> <p><b>Power</b></p> <ul style="list-style-type: none"> <li>48V deep cycle battery pack</li> <li>24V DC auxiliary power</li> <li>On board alternator powered by Tier IV Kubota 9.9 kW (13.3 hp) engine (Bi-energy model only)</li> <li>Universal 30A battery smart charger</li> <li>Battery charge indicator</li> <li>Low battery voltage interrupt</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</b></p> <ul style="list-style-type: none"> <li>48V DC (eight 6V 350 Ah batteries)</li> </ul> <p><b>Drive</b></p> <ul style="list-style-type: none"> <li>2 x 4</li> </ul> <p><b>Tyre Options</b></p> <ul style="list-style-type: none"> <li>Industrial foam-filled (standard)</li> <li>Industrial non-marking 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>Biodegradable hydraulic oil <sup>(1)</sup></li> <li>Hostile environment kit <sup>(1)</sup>: cylinder bellows, boom wiper seals and platform control box covers</li> <li>Aircraft protection kit <sup>(1,3)</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>(4)</sup> (GPS unit providing machine location &amp; operating information)</li> <li>Lockable platform control box cover</li> <li>Operator Protective Structure</li> <li>Operator Protective Alarm</li> <li>Keypad unlocking device</li> </ul> <p><b>Power</b></p> <ul style="list-style-type: none"> <li>AGM maintenance-free batteries <sup>(1)</sup></li> <li>Diesel catalytic muffler <sup>(1)</sup> (Bi-Energy only)</li> <li>Low temperature cut-out module</li> <li>Engine heater option (Bi-Energy only)</li> <li>Refinery kit with spark arrestor and electric or mechanical Chelwyn valve (Bi-Energy only)</li> <li>Cold weather package <sup>(1)</sup></li> </ul> |



<sup>(1)</sup> Factory-fit option only  
<sup>(2)</sup> Not available on tri-entry platforms  
<sup>(3)</sup> Reduces platform load capacity to 440 lbs  
<sup>(4)</sup> Includes a first 2 years subscription

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