

# Self-Propelled Articulating Booms

Z™ -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   |
| <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           | 2.00 m          | 6 ft 7 in    | 2.00 m           | 6 ft 7 in    |
| <b>D</b> Length - stowed           | 5.56 m          | 18 ft 3 in   | 6.83 m           | 22 ft 5 in   |
| <b>E</b> Width                     | 1.79 m          | 5 ft 10.3 in | 1.79 m           | 5 ft 10.3 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 | 0.24 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 |

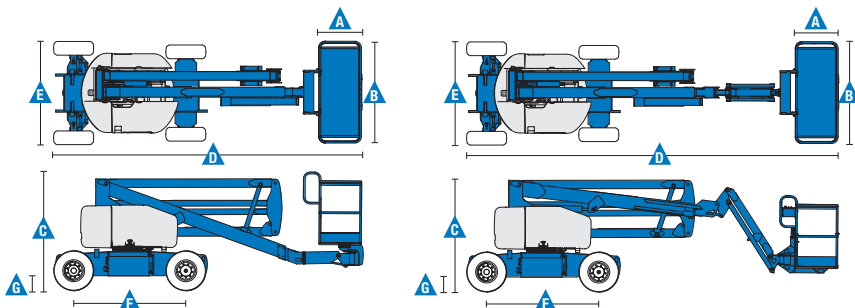
## Sound & Vibration Levels

|                                             |                       |                           |                       |                           |
|---------------------------------------------|-----------------------|---------------------------|-----------------------|---------------------------|
| 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> |

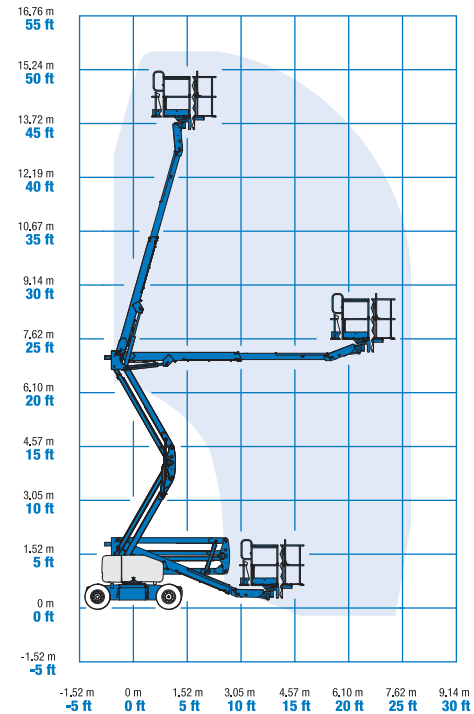
## Weight\*\*\*\*

|                                |          |            |          |        |
|--------------------------------|----------|------------|----------|--------|
| 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 |

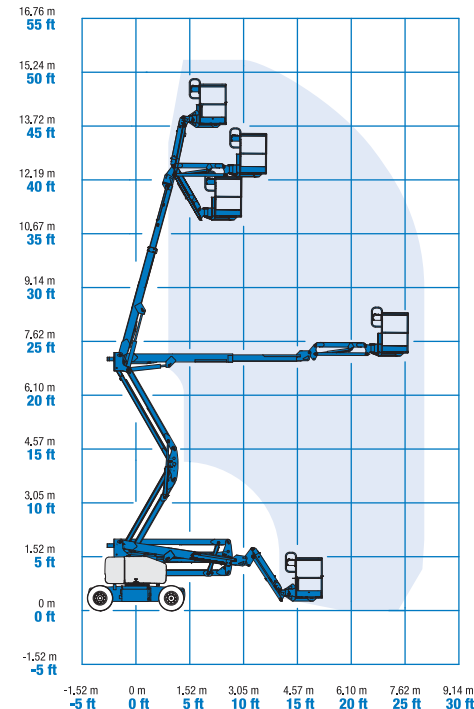
**Standards Compliance** EU Directives: 2006/42/EC - Machinery (harmonized standard EN280); 2004/108/EC (EMC); 2006/95/EC (LVD); 2000/14/EC (Outdoor Noise)



## 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.

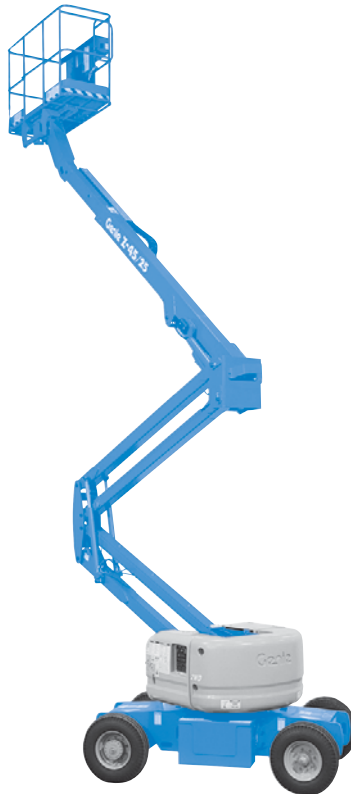


# Self-Propelled Articulating Booms

Z™ -45/25 & Z-45/25J DC/Bi-Energy

## Features

| Standard Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Easily Configured To Meet Your Needs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Options & Accessories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Measurements</b><br><b>Z-45/25</b> <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> <b>Z-45/25J</b> <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><br><b>Productivity</b> <ul style="list-style-type: none"><li>• Self-leveling 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>• Dual parallelogram for vertical wall tracking</li><li>• Certified load sensor</li><li>• Lift Guard™ Contact Alarm</li></ul><br><b>Power</b> <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> | <b>Platform Options</b> <ul style="list-style-type: none"><li>• Steel 1.83 m (6 ft) dual entry with side swing gate</li></ul><br><b>Jib Options</b> <ul style="list-style-type: none"><li>• Non-jib</li><li>• Articulating 1.52 m (5 ft) jib boom</li></ul><br><b>Power</b> <ul style="list-style-type: none"><li>• 48V DC (eight 6V 350 Ah batteries)</li></ul><br><b>Drive</b> <ul style="list-style-type: none"><li>• 2 x 4</li></ul><br><b>Tyre Options</b> <ul style="list-style-type: none"><li>• Industrial foam-filled (standard)</li><li>• Industrial non-marking foam-filled</li></ul> | <b>Productivity</b> <ul style="list-style-type: none"><li>• Half-mesh platform inserts with swing gate</li><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></ul><br><b>Power</b> <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>• 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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