

# Self-Propelled Articulating Booms

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

## Specifications

Models	Z-45/25 DC & Bi		Z-45/25J DC & Bi	
Measurements	US	Metric	US	Metric
Working height maximum*	51 ft 6 in	15.87 m	51 ft 9 in	15.94 m
Platform height maximum	45 ft 6 in	13.87 m	45 ft 9 in	13.94 m
Horizontal reach maximum	25 ft	7.62 m	25 ft 1 in	7.65 m
Up and over clearance maximum	23 ft 1 in	7.04 m	23 ft 1 in	7.04 m
<b>A</b> Platform length	2 ft 6 in	0.76 m	2 ft 6 in	0.76 m
<b>B</b> Platform width	6 ft	1.83 m	6 ft	1.83 m
<b>C</b> Height - stowed	6 ft 7 in	2.00 m	6 ft 7 in	2.00 m
<b>D</b> Length - stowed	18 ft 3 in	5.56 m	22 ft 5 in	6.83 m
<b>E</b> Width	5 ft 10.3 in	1.79 m	5 ft 10.3 in	1.79 m
<b>F</b> Wheelbase	6 ft 8 in	2.03 m	6 ft 8 in	2.03 m
<b>G</b> Ground clearance - center	9.5 in	0.24 m	9.5 in	0.24 m

## Productivity

Lift capacity	500 lbs	227 kg	500 lbs	227 kg
Platform rotation	180°		160°	
Vertical jib rotation			135°	
Turntable rotation	355° non-continuous		355° non-continuous	
Turntable tailswing	zero		zero	
Drive speed - stowed	3.0 mph	4.8 km/h	3.0 mph	4.8 km/h
Drive speed - raised**	0.61 mph	1.0 km/h	0.61 mph	1.0 km/h
Gradeability - stowed***	30%		30%	
Turning radius - inside	6 ft	1.83 m	6 ft	1.83 m
Turning radius - outside	14 ft	4.27 m	14 ft	4.27 m
Controls	24V DC proportional		24V DC proportional	
Tires	9 x 14.5 in		9 x 14.5 in	

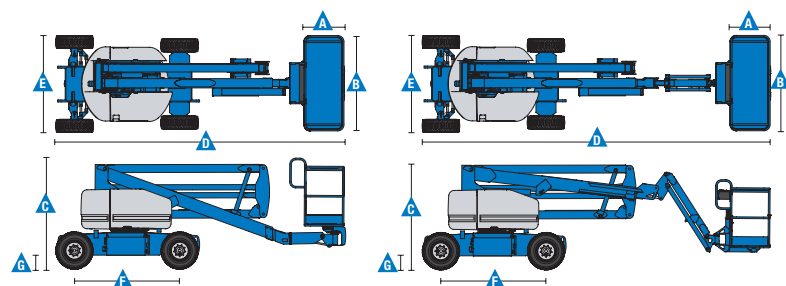
## Power

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 13.3hp (9.9kW) Kubota T4f Z482 diesel driven alternator			
Auxiliary power unit	24V DC		24V DC	
Hydraulic tank capacity	8 gal	30.3 L	8 gal	30.3 L
Fuel tank capacity- Bi-Energy	9 gal	34.1 L	9 gal	34.1 L

## Weight\*\*\*\*

DC	15,350 lbs	6,963 kg	16,300	7,394 kg
Bi-Energy	15,850 lbs	7,190 kg	16,800	7,620 kg

**Standards Compliance** ANSI A92.5, CSA B354.4, EN 280, AS 1418.10



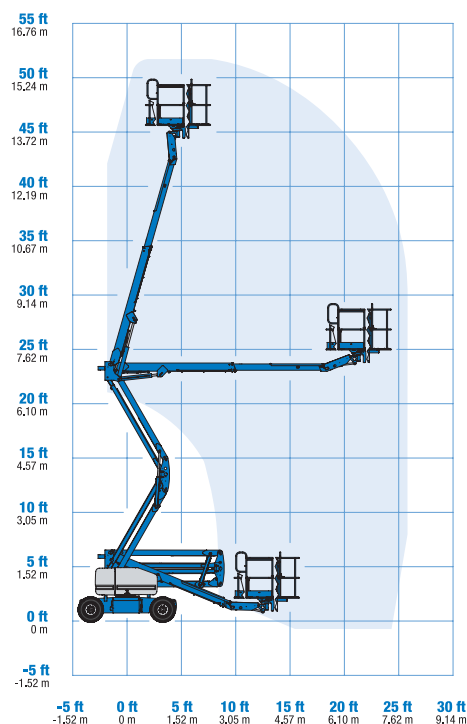
\* The metric equivalent of working height adds 2 m to platform height. U.S. adds 6 ft to platform height.

\*\* In lift mode (platform raised), the machine is designed to operate on firm, level surfaces only.

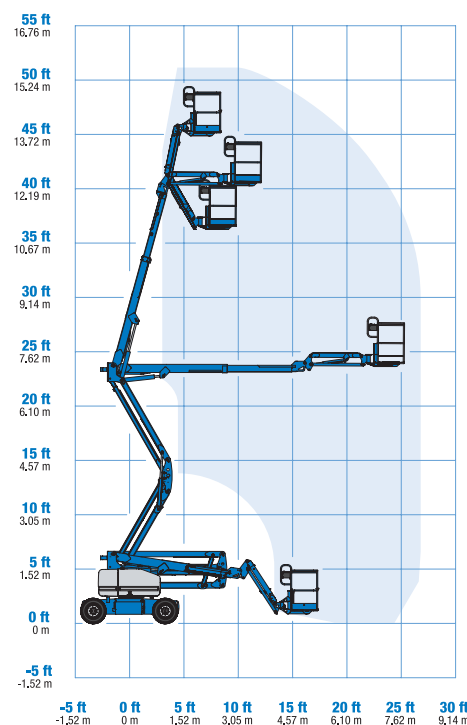
\*\*\* Gradeability applies to driving on slopes. See operator's manual for details regarding slope ratings.

\*\*\*\* Weight will vary depending on options and/or country standards.

Range Of Motion Z-45/25



Range Of Motion Z-45/25J



# Self-Propelled Articulating Booms

Z™ -45/25 & Z™ -45/25J DC/Bi-Energy

## Features

Standard Features	Easily Configured To Meet Your Needs	Options & Accessories
<p><b>Measurements</b></p> <p><b>Z-45/25</b></p> <ul style="list-style-type: none"> <li>• 51 ft 6 in (15.87 m) working height</li> <li>• 25 ft (7.62 m) horizontal reach</li> <li>• 23 ft 1 in (7.04 m) up and over clearance</li> <li>• Up to 500 lbs (227 kg) lift capacity</li> </ul> <p><b>Z-45/25J</b></p> <ul style="list-style-type: none"> <li>• 51 ft 9 in (15.94 m) working height</li> <li>• 25 ft 1 in (7.65 m) horizontal reach</li> <li>• 22 ft 1 in (6.73 m) up and over clearance</li> <li>• Up to 500 lbs (227 kg) lift capacity</li> </ul> <p><b>Productivity</b></p> <ul style="list-style-type: none"> <li>• Self-leveling platform</li> <li>• Hydraulic platform rotation</li> <li>• Proportional joystick controls</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>• Zero tailswing</li> <li>• 355° non-continuous turntable rotation</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>• 13.3hp (9.9kW) Kubota T4f Z482 diesel driven alternator. (Bi-energy model only)</li> <li>• Battery charge indicator-BCI (Bi-energy model only)</li> <li>• Universal 30A battery smart charger</li> </ul>	<p><b>Platform Options</b></p> <ul style="list-style-type: none"> <li>• Steel 6 ft (1.83 m) (standard)</li> <li>• Steel 6 ft (1.83 m) tri-entry</li> </ul> <p><b>Jib Options</b></p> <ul style="list-style-type: none"> <li>• Non-jib</li> <li>• Articulating 5 ft (1.52 m) 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>• 2WD</li> </ul> <p><b>Tire 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 swing gate</li> <li>• Half-mesh platform inserts with swing gate</li> <li>• Platform top auxiliary rail</li> <li>• Air line to platform</li> <li>• Biodegradable hydraulic oil</li> <li>• Fire resistant hydraulic oil</li> <li>• Aircraft protection package*</li> <li>• Pipe cradle (pair)</li> <li>• Alarm package</li> <li>• Panel cradle package**</li> <li>• Light package</li> <li>• Lockable platform control box cover</li> <li>• Tow package</li> <li>• Operator Protective Structure</li> </ul> <p><b>Power</b></p> <ul style="list-style-type: none"> <li>• AGM batteries</li> <li>• EE UL583 Fire Protection rating (DC only)</li> <li>• Battery charge indicator-BCI (DC only)</li> <li>• Low voltage interrupt with BCI</li> <li>• Cold Weather Package (Bi-Energy only)</li> <li>• 800 watt inverter (DC only)</li> <li>• Diesel catalytic muffler (Bi-Energy only)</li> </ul>



\* Reduces platform capacity to 440 lbs (only available on Jib models)

\*\* Requires tri-entry platform

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Effective Date: February, 2015. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and we make no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade names of Terex Corporation and/or their subsidiaries in the USA and many other countries. Genie is a registered trademark of Terex South Dakota, Inc. © 2015 Terex Corporation.