Self-Propelled Articulating Booms

ZX™-135/70

Specifications

Model	ZX-135/70	
Measurements	**Metric**	**US**
Working height maximum*	43.15 m	141 ft
Platform height maximum	41.15 m	135 ft
Horizontal reach max - riser extended	18.03 m	59 ft 2 in
Horizontal reach max - riser retracted	21.26 m	69 ft 9 in
Up and over clearance maximum -		
riser extended	23.01 m	75 ft 6 in
riser retracted	9.91 m	32 ft 6 in
Below ground reach	5.87 m	19 ft 3 in
A Platform length - 8 ft / 6 ft model	0.91 m / 0.76 m	3 ft / 2 ft 6 in
B Platform width - 8 ft / 6 ft model	2.44 m / 1.83 m	8 ft / 6 ft
C Height - stowed	3.09 m	10 ft 1.5 in
D Length - stowed	12.93 m	42 ft 5 in
E Width - axles extended	5.03 m	16 ft 6 in
Width - axles retracted	2.49 m	8 ft 2 in
F Wheelbase - axles extended	4.72 m	15 ft 6 in
Wheelbase - axles retracted	5.03 m	16 ft 6 in
G Ground clearance - center	0.38 m	1 ft 3 in

Productivity

Lift capacity	272 kg	600 lbs
Platform rotation	160°	160°
Vertical jib rotation	110°	110°
Turntable rotation	360° continuous	
Turntable tailswing - axles extended riser up	0.79 m	2 ft 7 in
Turntable tailswing - riser down	4.27 m	14 ft
Drive speed - stowed	4.8 km/h	3.0 mph
Drive speed - raised**	1.1 km/h	0.68 mph
Lift speed to full height	96 sec	96 sec
Gradeability - stowed***	45%	45%
Inside turning radius - axles extended	3.02 m	9 ft 11 in
Inside turning radius - axles retracted	6.27 m	20 ft 7 in
Outside turning radius - axles extended	7.34 m	24 ft 1 in
Outside turning radius - axles retracted	8.56 m	28 ft 1 in
Controls	12 V DC proportional	
Tyres	445/65 D22.5 18 ply foam-filled	

Power

Power source	Deutz Diesel TD 2011 L04i 4-cylinder turbo diesel, 74 hp (55 kW) Perkins Diesel 1104D-44T 4-cylinder turbo diesel, 74 hp (55 kW)	
Auxiliary power unit	12 V DC	12 V DC
Hydraulic tank capacity	246.1 L	65 gal
Fuel tank capacity	151.4 L	40 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

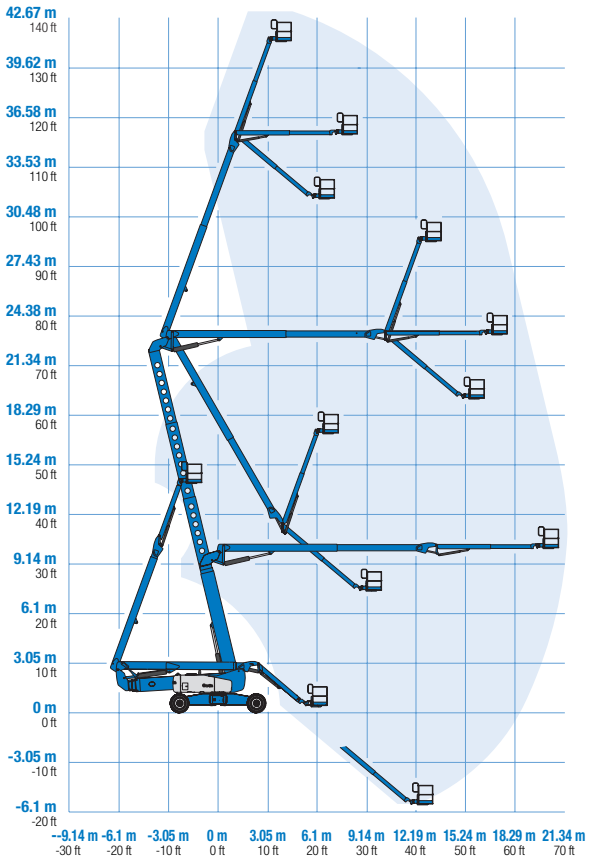
Weight****

CE	20,502 kg	45,200 lbs

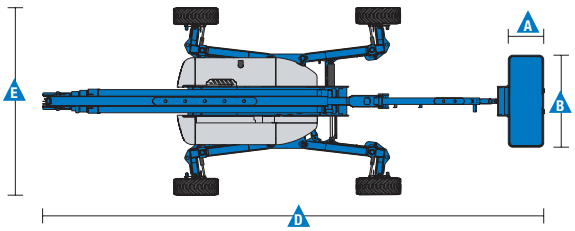
Standards Compliance

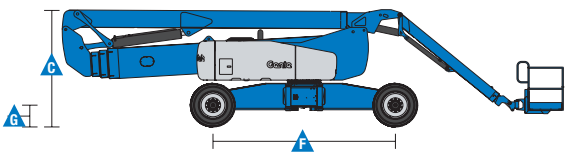
EU Directives: 2006/42/EC - Machinery Directive - Harmonized Standards: EN280:2001+A2:2009; 2004/108/EC (EMC); 2000/14/EC (Outdoor Noise)

Range Of Motion ZX-135/70



* 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 be operated 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

ZX™-135/70

Features

Standard Features

Measurements

- 43.15 m (141 ft) working height
- 21.26 m (69 ft 9 in) horizontal reach
- 23.01 m (75 ft 6 in) up and over clearance
- Up to 272 kg (600 lbs) lift capacity

Productivity

- Xchassis™ extendable axles
- 3.66 to 6.10 m (12 to 20 ft) Jib-Extend™
- Self-levelling platform
- Hydraulic platform rotation
- Thumb rocker steering
- Fully proportional joystick controls
- On board full diagnostics and engine monitoring display
- ALC 1000 electronic control system
- Hydraulic oil cooler
- Drive enable
- AC power cord to platform
- Horn
- Hour meter
- Tilt alarm
- Descent, motion, & travel alarms
- Flashing beacon
- 360° continuous turntable rotation
- Four wheel high angle steer
- Four steering modes: front, rear, crab and coordinated
- Four wheel brakes
- Full-time positive traction 4WD
- Adjustable foot switch timeout
- Two speed wheel motors
- Configurable controls to limit lift height to 27.74 m (91 ft)
- Engine status display
- Certified load sensor

Power

- 12 V DC auxiliary power
- Engine protection package
- Deutz intake air heater
- Swing out engine tray

Easily Configured To Meet Your Needs

Platform Options

- Steel 2.44 m (8 ft) (standard)
- Steel 1.83 m (6 ft)
- Steel 2.44 m (8 ft) tri-entry

Jib

- 3.66 to 6.10 m (12 to 20 ft) Jib-Extend™

Engine Options

- Deutz turbo diesel, 55 kW (74 hp)
- Perkins turbo diesel, 55 kW (74 hp)

Drive/Steer

- 4 x 4 (standard)
- 4 wheel steer (standard)

Tyre Options

- Extra-wide rough terrain foam-filled (standard)
- Solid rough terrain tyres

Options & Accessories

Productivity Options

- Platform swing gate
- Half mesh platform inserts with swing gate
- Platform top auxiliary rail
- Air line to platform
- Power to platform (incl. plug, socket and ground fault interrupt leakage on request)
- Work lights package (2 on chassis, 2 on platform)
- Dual axis joystick steering
- Weld leads to platform [2]
- Biodegradable hydraulic oil [2]
- Aircraft protection kit [1,2]: platform foam padding and platform disable system
- Hostile environment kit [2]: cylinder bellows, boom wiper seals, platform and ground control box covers
- Deluxe hostile environment kit [2] adds to basic kit center turntable shield, ring gear guard, tail pipe guard, engine cover flaps and air pre-cleaner
- Track & Trace [3] (GPS unit providing machine location & operating information)
- Lockable platform control box covers
- Tool tray

Power Options

- Deutz V-Belt Generator kit (110V/220V) [1]
- Diesel air intake pre-cleaner [2]
- Diesel catalytic scrubber muffler [1,2]
- Low temperature cut-out module
- Engine heater option [1]
- Refinery kit with spark arrestor and electric or mechanical Chalwyn valve [1]

[1] Available on selected models only. See your Genie representative for further information.
[2] Factory-fit option only
[3] Includes a first 2 years subscription

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