

Self-Propelled Articulating Booms

Z™ -34/22 DC & Bi-Energy

Specifications

Models	Z-34/22 DC		Z-34/22 Bi-Energy	
Measurements	Metric	US	Metric	US
Working height maximum*	12.52 m	40 ft 6 in	12.52 m	40 ft 6 in
Platform height maximum	10.52 m	34 ft 6 in	10.52 m	34 ft 6 in
Horizontal reach maximum	6.78 m	22 ft 3 in	6.78 m	22 ft 3 in
Up and over clearance maximum	4.57 m	15 ft	4.57 m	15 ft
▲ Platform length	0.76 m	2 ft 6 in	0.76 m	2 ft 6 in
▲ Platform width	1.42 m	4 ft 8 in	1.42 m	4 ft 8 in
▲ Height - stowed	2.00 m	6 ft 7 in	2.00 m	6 ft 7 in
▲ Length - stowed	5.64 m	18 ft 6 in	5.64 m	18 ft 6 in
▲ Storage height	2.26 m	7 ft 5 in	2.26 m	7 ft 5 in
▲ Storage length	4.08 m	13 ft 5 in	4.08 m	13 ft 5 in
▲ Width	1.73 m	5 ft 8 in	1.73 m	5 ft 8 in
▲ Wheelbase	1.88 m	6 ft 2 in	1.88 m	6 ft 2 in
▲ Ground clearance - center	0.15 m	6 in	0.15 m	6 in

Productivity

Lift capacity	227 kg	500 lbs	227 kg	500 lbs
Platform rotation	180°	180°	180°	180°
Vertical jib rotation	139°	139°	139°	139°
Turntable rotation	355° non-continuous		355° non-continuous	
Turntable tailswing	zero	zero	zero	zero
Drive speed - stowed	6.4 km/h	4.0 mph	6.4 km/h	4.0 mph
Drive speed - raised**	1.1 km/h	0.68 mph	1.1 km/h	0.68 mph
Gradeability - stowed***	30%	30%	30%	30%
Turning radius - inside	1.75 m	5 ft 9 in	1.75 m	5 ft 9 in
Turning radius - outside	4 m	13 ft 1 in	4 m	13 ft 1 in
Controls	24V DC proportional		24V DC proportional	
Tyres - foam filled	23x37 cm	9 x 14.5 in	23x37 cm	9 x 14.5 in

Power

Power Source	48V DC (eight 6 V batteries 315 Ah capacity)		48V DC (eight 6 V batteries 315 Ah capacity) with Tier IV Kubota 13.3 Hp (9.9 kw) diesel driven alternator	
Auxiliary Power Unit	24V DC	24V DC	24V DC	24V DC
Hydraulic Tank Capacity	15.1 L	4 gal	15.1 L	4 gal
Fuel Tank Capacity	—	—	35.2 L	9 gal

Sound & Vibration Levels

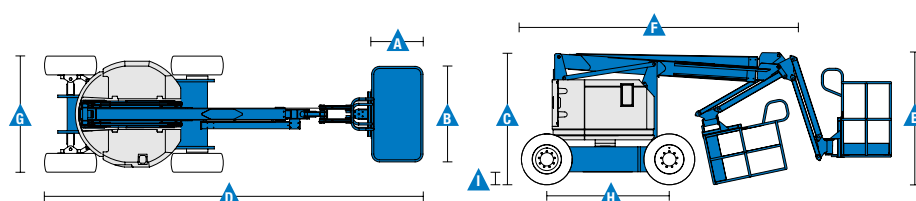
Sound pressure level (ground)	<70 dBA	<70 dBA	<70 dBA	<70 dBA
Sound pressure level (platform)	<70 dBA	<70 dBA	<70 dBA	<70 dBA
Vibration	<2.5 m/s ²	<8 ft 2 in/s ²	<2.5 m/s ²	<8 ft 2 in/s ²

Weight****

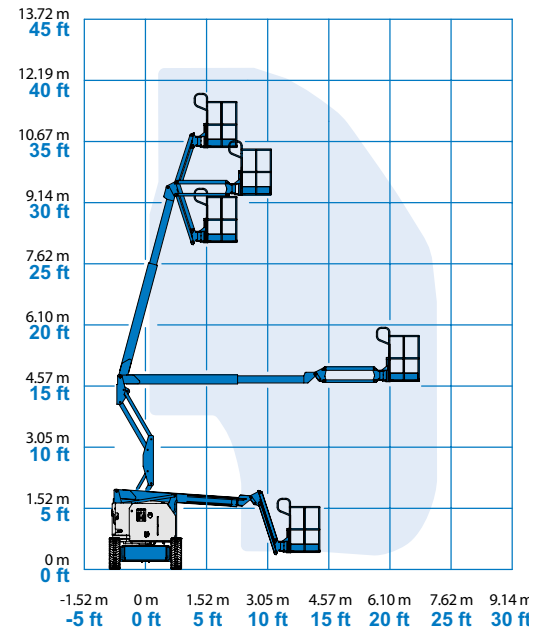
	5,179 kg	11,189 lbs	5,632 kg	12,189 lbs
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Standards Compliance

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-34/22 DC/Bi



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

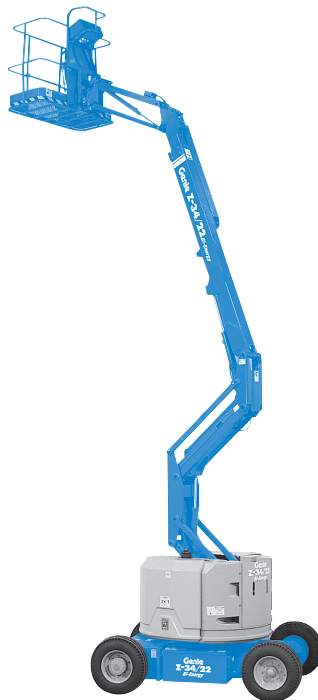
** In lift mode (platform raised), the machine is designed to operate on firm, level surfaces only.

*** 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
Measurements 12.52 m (40 ft 6 in) working height 6.78 m (22 ft 3 in) horizontal reach 4.57 m (15 ft) up and over clearance - Up to 227 kg (500 lbs) lift capacity Productivity 1.22 m (4 ft) jib boom with 139° working range - Self-levelling platform - Hydraulic platform rotation - Proportional joystick controls - Thumb rocker steer - Drive enable - AC power to platform - Horn - Hour meter - Tilt alarm - Descent & travel alarms - Flashing beacon 355° non-continuous turntable rotation - Locking turntable covers (Bi-Energy only) - Zero tailswing - Certified load sensor Power 48V deep cycle battery pack 24V DC auxiliary power - On board alternator powered by Tier IV Kubota 9.9 kW (13.3 hp) engine (Bi-energy model only) - Universal 30A battery smart charger - Battery charge indicator - Low battery voltage interrupt	Platform Options - Steel 1.42 m (4 ft 8 in) (standard) - Steel 1.17 m (3 ft 10 in) Jib - Articulating 1.22 m (4 ft) jib boom Power 48V DC power source (eight 6V 315 Ah batteries) Drive 2 x 4 Tyre Options - Industrial foam-filled (standard) - Industrial non-marking foam-filled (DC only)	Productivity Options - 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) - Aircraft protection kit ^(1,2): platform foam padding and padded disable system (except RJ model) - Biodegradable hydraulic oil ⁽²⁾ - Hostile environment kit ⁽²⁾: cylinder bellow, boom wiper seals and platform control box covers - Tilt cut-out option - Track & Trace ⁽³⁾ (GPS unit providing machine location & operating information) - Lockable platform control box cover - Tool tray - Operator Protective Alarm Power Options - AGM maintenance-free batteries ⁽²⁾ - Low temperature cut-out module - Engine heater option (Bi-energy only) - Refinery kit with spark arrestor and electric or mechanical Chalthwyn valve (Bi-Energy only)



⁽¹⁾ Reduces platform load capacity to 199,6 kg (440 lbs)
⁽²⁾ Factory-fit option only
⁽³⁾ Includes a first 2 years subscription

04/15 Part No. B109359UK



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