

Specifications

Models	S-100 HD		S-120 HD	
Measurements	Metric	US	Metric	US
Working height maximum*	32.48 m	106 ft	38.58 m	126 ft
Platform height maximum	30.48 m	100 ft	36.58 m	120 ft
Horizontal reach maximum	22.26 m	73 ft	22.26 m	73 ft
Below ground reach	1.98 m	6 ft 6 in	1.98 m	6 ft 6 in
A Platform length	0.76 m	2 ft 6 in	0.76 m	2 ft 6 in
B Platform width	1.52 m	5 ft	1.52 m	5 ft
C Height - stowed	3.13 m	10 ft 3 in	3.20 m	10 ft 6 in
D Length - stowed	13.10 m	43 ft	13.10 m	43 ft
E Width - axles retracted	2.49 m	8 ft 2 in	2.49 m	8 ft 2 in
Width - axles extended	3.35 m	11 ft	3.35 m	11 ft
F Wheelbase	3.66 m	12 ft	3.66 m	12 ft
G Ground clearance - center	0.44 m	1 ft 5.5 in	0.48 m	19 in

Productivity

Lift capacity	340 kg	750 lbs	340 kg	750 lbs
Platform rotation	160°	160°	160°	160°
Turntable rotation	360° continuous		360° continuous	
Turntable tailswing - axle retracted	1.68 m	5 ft 6 in	1.68 m	5 ft 6 in
Turntable tailswing - axle extended	1.22 m	4 ft	1.22 m	4 ft
Drive speed - stowed	4.8 km/h	3 mph	4.8 km/h	3 mph
Drive speed - raised/extended below 80 ft	30 cm/s	1 ft/s	30 cm/s	1 ft/s
Drive speed - raised/extended above 80 ft	14 cm/s	0.5 ft/s	14 cm/s	0.5 ft/s
Gradeability - stowed**	25%		25%	
Turning radius 4WD - axle retracted: inside	4.14 m	13 ft 7 in	4.01 m	13 ft 2 in
outside	6.58 m	21 ft 7 in	6.75 m	22 ft 2 in
Turning radius 4WD - axle extended: inside	2.74 m	9 ft	2.59 m	8 ft 6 in
outside	6.05 m	19 ft 10 in	5.74 m	18 ft 10 in
Controls	12 V DC proportional		12 V DC proportional	
Tires - RT solid	385/65D 22.5		445/65D 22.5	

Power

Power source	Deutz TD 2011 L04i 4-cylinder turbo diesel, 55 kW (74 hp), air cooled			
	Cummins B3.3T 4-cylinder turbo diesel, 60 kW (80 hp), air cooled			
	Cummins B3.3T 4-cylinder turbo diesel, 60 kW (80 hp), water cooled			
Auxiliary power unit	12 V DC	12 V DC	12 V DC	12 V DC
Hydraulic tank capacity	208 L	55 gal	208 L	55 gal
Fuel tank capacity	240 L	63 gal	240 L	63 gal

Sound & Vibration Levels

Sound pressure level (ground workstation)	99 dBA	99 dBA	99 dBA	99 dBA
Sound pressure level (platform workstation)	87 dBA	87 dBA	87 dBA	87 dBA
Vibration	<2.5 m/s ²	<8 ft 2 in/s ²	<2.5 m/s ²	<8 ft 2 in/s ²

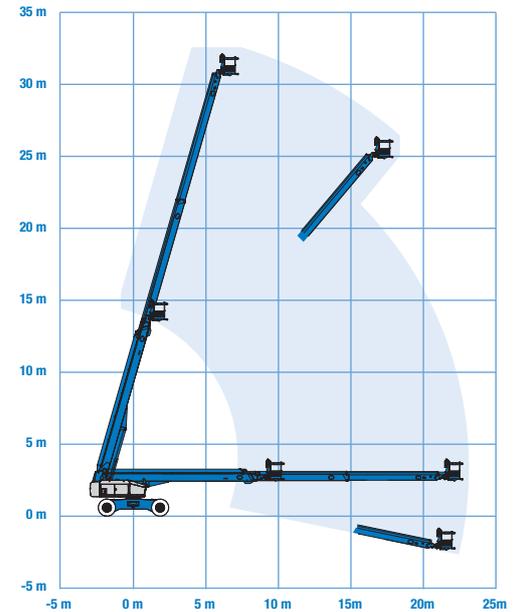
Weight***

4 WD	18,275 kg	40,290 lbs	20,788 kg	45,830 lbs
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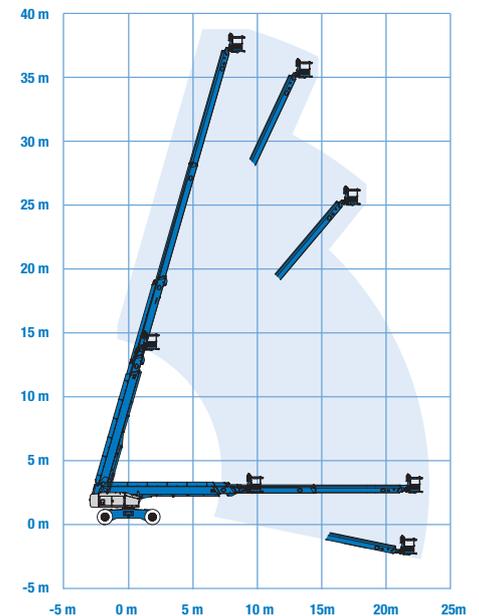
Standards Compliance

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

Range Of Motion S-100 HD



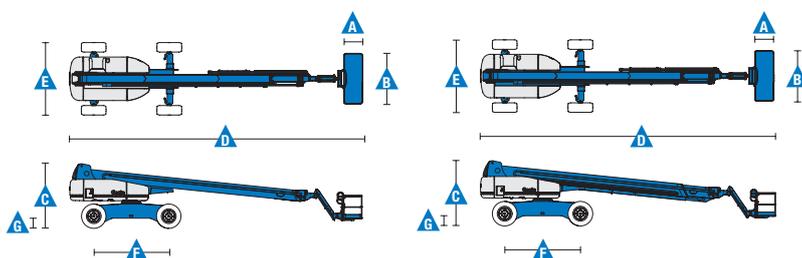
Range Of Motion S-120 HD



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

** 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
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Measurements

S-100 HD

- 32.48 m (106 ft) working height
- 22.26 m (73 ft) horizontal reach
- 340 kg (750 lbs) lift capacity

S-120 HD

- 38.58 m (126 ft) working height
- 22.26 m (73 ft) horizontal reach
- 340 kg (750 lbs) lift capacity

Productivity

- Self-levelling platform
- Hydraulic platform rotation
- Dual axis joystick proportional controls
- Hydraulic oil cooler
- Drive enable
- Tilt alarm
- Descent & travel alarms
- Flashing beacon
- Horn
- Hour meter
- 360° continuous turntable rotation
- Locking steel turntable covers with bump rails
- Steel covered, top-mounted cable track
- Extra large steel fuel tank with drain port
- Swing-out engine tray
- Half mesh platform
- Platform top auxiliary rail
- Deluxe hostile environment kit: cylinder bellows, boom wiper seals, ring gear guard and centre turntable shield
- Positive traction drive
- Two speed wheel motors
- Engine status display
- Ground control box covers
- Lockable platform control box covers
- Certified load sensor

Power

- 12 V DC auxiliary power
- Anti-restart engine protection
- Auto engine fault shutdown

Platform Options

- Steel 2.44 m (8 ft)
- Steel 1.52 m (5 ft)

Engine Options

- Deutz diesel 55 kW (74 hp), air cooled
- Cummins turbo diesel 60 kW (80 hp), air cooled
- Cummins turbo diesel 60 kW (80 hp), water cooled ⁽¹⁾

Drive/Steer

- 2 wheel drive and 2 wheel steer
- 4 x 4 (option)

Axle

- Extendable axles (standard)

Tyres

- Rough terrain solid

Productivity Options

- Power to platform (incl. plug, socket and ground fault interrupt leakage on request)
- Platform worklights
- Biodegradable hydraulic oil ⁽¹⁾
- Track & Trace ⁽²⁾ (GPS unit providing machine location & operating information)
- Tool tray
- Operator Protective Alarm

Power Options

- Diesel catalytic scrubber muffler
- Air intake pre-cleaner

⁽¹⁾ Factory-fit option only

⁽²⁾ Includes a first 2 years subscription



05/16 Part No. B127283UK

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