

Specifications

Models S-120 HD

Measurements	Metric	US
Working height maximum*	38.58 m	126 ft
Platform height maximum	36.58 m	120 ft
Horizontal reach maximum	22.26 m	73 ft
Below ground reach	1.98 m	6 ft 6 in
A Platform length	0.91 m	3 ft
B Platform width	2.44 m	8 ft
C Height - stowed	3.20 m	10 ft 6 in
D Length - stowed	13.10 m	43 ft
E Width - axles retracted	2.49 m	8 ft 2 in
Width - axles extended	3.35 m	11 ft
F Wheelbase	3.66 m	12 ft
G Ground clearance - center	0.48 m	19 in

Productivity

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

Power

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

Sound & Vibration Levels

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

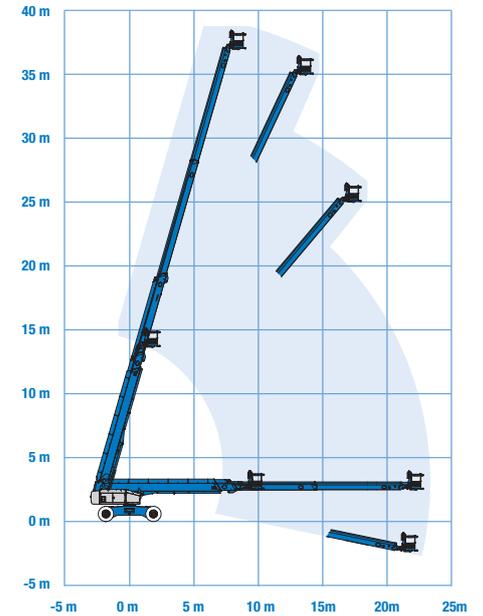
Weight***

4 WD	20,788 kg	45,830 lbs
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Standards Compliance

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

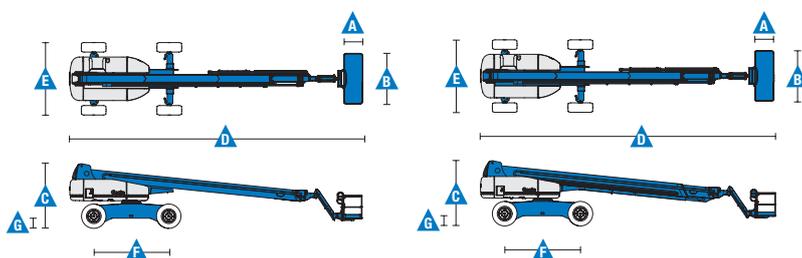
Range Of Motion S-120 HD



* 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-120 HD

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

Productivity

- Self-leveling platform
- Hydraulic platform rotation
- Dual axis joystick proportional controls
- 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
- Telematics-Ready Connector
- Hydraulic oil cooler
- Lift Guard™ Contact Alarm

Power

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

Platform

- 2.44 m (8 ft) tri-entry platform with side swing gate (standard)
- 1.52 m (5 ft) platform (not available with Lift Guard™ Contact Alarm)

Engine

- Deutz diesel 74 hp (55 kW), air cooled

Drive/Steer

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

Axles

- Telescoping axles (standard)

Tyres

- Rough terrain solid

Productivity Options

- Power to platform: plug, socket, with optional Residual-current Circuit Breaker with Overcurrent protection ⁽¹⁾
- Platform worklights
- Biodegradable hydraulic oil ⁽¹⁾
- Track & Trace ⁽²⁾ (GPS unit providing machine location & operating information)
- Tool tray ⁽³⁾
- Operator Protective Alarm ⁽³⁾

Power Options

- Diesel catalytic scrubber muffler
- Air intake pre-cleaner
- EMEAR Cold Start kit: Inc. Engine heater & battery charger

⁽¹⁾ Factory-fit option only

⁽²⁾ Includes a first 2 years subscription

⁽³⁾ Aftermarket only



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