

Self-Propelled Telescopic Booms S[™]-100 & S-105

Specifications

Models	S-100		S-105	
Measurements	Metric	US	Metric	US
Working height maximum*	32.48 m	106 ft	34.00 m	111 ft
Platform height maximum	30.48 m	100 ft	32.00 m	105 ft
Horizontal reach maximum	22.86 m	75 ft	24.38 m	80 ft
Below ground reach	1.98 m	6 ft 6 in	3.05 m	10 ft
A Platform length - 8 ft model	0.91 m	3 ft	0.91 m	3 ft
Platform length - 6 ft model	0.76 m	2 ft 6 in	0.76 m	2 ft 6 in
A Platform width - 8 ft model	2.44 m	8 ft	2.44 m	8 ft
Platform width - 6 ft model	1.83 m	6 ft	1.83 m	6 ft
A Height - stowed	3.07 m	10 ft 1 in	3.07 m	10 ft 1 in
Length - stowed	13.00 m	42 ft 8 in	14.02 m	46 ft
Length - transport (jib tucked under)			12.17 m	39 ft 11 in
Kidth - axle retracted	2.49 m	8 ft 2 in	2.49 m	8 ft 2 in
Width - axle extended	3.35 m	11 ft	3.35 m	11 ft
A Wheelbase	3.66 m	12 ft	3.66 m	12 ft
Ground clearance - center	0.44 m	1 ft 5.5 in	0.44 m	1 ft 5.5 in

Productivity

Lift capacity	340 kg	750 lbs	227 kg	500 lbs
Platform rotation	160°		160°	
Vertical jib rotation			135° (+78°/-57°)	
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	3.0 mph	4.8 km/h	3.0 mph
Drive speed - raised or extended				
below 80 ft	1.1 km/h	0.68 mph	1.1 km/h	0.68 mph
Drive speed - raised or extended				
above 80 ft	0.55 km/h	0.34 mph	0.55 km/h	0.34 mph
Gradeability - stowed**	40%		40%	
Turning radius - axles retracted: inside	4.14 m	13 ft 7 in	4.14 m	13 ft 7 in
outside	6.58 m	21 ft 7 in	6.58 m	21 ft 7 in
Turning radius - axles extended: inside	2.74 m	9 ft	2.74 m	9 ft
outside	6.05 m	19 ft 10 in	6.05 m	19 ft 10 in
Controls	12 V DC proportional		12 V DC proportional	
Tyres - RT foam filled	385/65D 22.5		385/65D 22.5	

Power

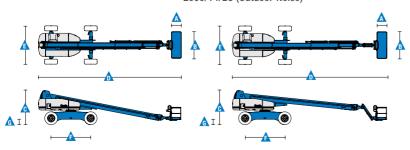
Power Source	Deutz TD 2011 L04i 4-cylinder turbo diesel, 55 kW (74 hp) Perkins 804-33T 4-cylinder turbo diesel, 55 kW (74 hp)				
Auxiliary Power Unit	12 V DC		12	2 V DC	
Hydraulic Tank Capacity	208 L	55 gal	208 L	55 gal	
Fuel Tank Capacity	151 L	40 gal	151 L	40 gal	
Sound & Vibration Levels					

Sound pressure level (ground workstation)	85 dBA	85 dBA	85 dBA	85 dBA		
Sound pressure level (platform workstation)	74 dBA	74 dBA	74 dBA	74 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***						

4WD	18,008 kg	39,700 lbs	18,144 kg	40,000 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

33.53 m 110 ft 30.48 m 27.43 m 90 ft

12.19 m 40 ft 9.14 m 30 ft 6.1 m 20 ft

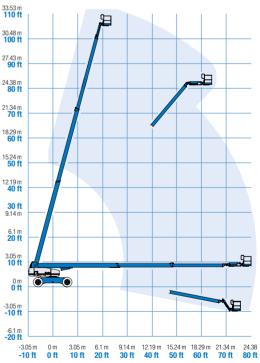
3.05 m 10 ft

0 m 0 ft

-3.05 m -10 ft -6.1 m -20 ft

> -3.05 m **-10 ft** 0 m **0 ft** 3.05 m 10 ft 6.1 m 20 ft

Range Of Motion S-105



* 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.

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24.38 80 ft

9.14 m 12.19 m 15.24 m 18.29 m 21.34 m 30 ft 40 ft 50 ft 60 ft 70 ft



S[™]-100 & S-105

Features

Standard Features

Measurements

S-100

- 32.48 m (106 ft) working height
- 22.86 m (75 ft) horizontal reach
- 340 kg (750 lb) lift capacity

S-105

- 34.00 m (111 ft) working height
- 24.38 m (80 ft) horizontal reach
- 227 kg (500 lb) lift capacity

Productivity

- Self-levelling platform
- Hydraulic platform rotation
- Thumb rocker steering
- Two work lights on platform
- Proportional joystick controls
- Hydraulic oil cooler
- Drive enable system
- AC power cord to platform
- Horn
- Hour meter
- Tilt alarm
- Descent motion & travel alarms
- Flashing beacon
- 360° continuous turntable rotation
- Lockable platform control box covers
- Positive traction drive
- Two speed wheel motors
- Configurable controls to limit lift height to 24.38 m (80 ft)
- Engine status display
- Certified load sensor
- Air line to platform
- Telematics-Ready Connector

Power

- All engines are emissions compliant
- 12 V DC auxiliary power
- Anti-restart engine protection
- Auto engine fault shutdown
- Intake air heater (Deutz engine)

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 Options

- Non-jib
- 1.52 m (5 ft) articulating jib boom

Engine Options

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

Drive/Steer

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

Axle

• Extendable axles (standard)

Tyres

 Rough terrain foam-filled (standard water base)

Options & Accessories

- **Productivity Options**
- Platform top auxiliary rail
- Power to platform (incl. plug, socket and ground fault interrupt leakage on request)
- Dual axis joystick steering
- Biodegradable hydraulic oil ⁽²⁾
- Deluxe hostile environment kit ⁽²⁾: hostile environment kit, center turntable shield, ring gear guard, tail pipe guard, engine cover flaps and air pre-cleaner
- Aircraft protection kit ^(1,4): platform foam padding and padded disable system
- Track & Trace ⁽³⁾ (GPS unit providing machine location & operating information)
- Tool tray
- Operator Protective Structure
- Operator Protective Alarm
- Keypad unlocking device

Power Options

- Hydraulic MTE Generator kit (110V/120V-220V/240V)
- Deutz V-Belt Generator kit (110V/120V) ⁽⁴⁾
- Diesel catalytic scrubber muffler (2)
- Diesel air intake pre-cleaner (2)
- Low temperature cut-out module
- Engine heater option ⁽⁴⁾
- Refinery kit with spark arrestor and electric or mechanical Chalwyn valve ⁽⁴⁾



- (1) Not available on tri-entry platforms
- (2) Factory-fit option only
- ⁽³⁾ Includes a first 2 years subscription
 ⁽⁴⁾ Available on selected models only. See your Genie
- representative for further information.





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