

Self-Propelled Telescopic Booms

S®-80 HF & S®-85 HF

Specifications

Models	S-80 HF		S-85 HF	
Measurements	US	Metric	US	Metric
Working height maximum*	86 ft	26.21 m	91 ft	27.74 m
Platform height maximum	80 ft	24.38 m	85 ft	25.91 m
Horizontal reach maximum	68 ft 6 in	20.88 m	72 ft 6 in	22.10 m
Below ground reach	5 ft 6 in	1.68 m	8 ft 8 in	2.64 m
A Platform length - 8 ft model	3 ft	0.91 m	3 ft	0.91 m
Platform length - 6 ft model	2 ft 6 in	0.76 m	2 ft 6 in	0.76 m
B Platform width - 8 ft model	8 ft	2.44 m	8 ft	2.44 m
Platform width - 6 ft model	6 ft	1.83 m	6 ft	1.83 m
C Height - stowed	9 ft 2 in	2.80 m	9 ft 2 in	2.80 m
D Length - stowed	37 ft 1 in	11.23 m	40 ft 7 in	12.37 m
Length - transport (jib tucked under)	—	—	33 ft 8 in	10.25 m
E Width	8 ft 6 in	2.59 m	8 ft 6 in	2.59 m
F Wheelbase	9 ft 4 in	2.85 m	9 ft 4 in	2.85 m
G Ground clearance - center	15.8 in	40 cm	15.8 in	40 cm

Productivity

Maximum lift capacity - unrestricted	600 lb	272 kg	600 lb	272 kg
- restricted	1,000 lb	454 kg	1,000 lb	454 kg
Platform rotation	160°		160°	
Vertical jib rotation	—		133°	
Turntable rotation	360° continuous		360° continuous	
Turntable tailswing	5 ft 3 in	1.6 m	5 ft 3 in	1.6 m
Drive speed - stowed	3.0 mph	4.8 km/h	3.0 mph	4.8 km/h
- raised/extended	0.5 mph	0.2 m/s	0.5 mph	0.2 m/s
Gradeability - stowed**	45%		45%	
Turning radius: inside	12 ft	3.66 m	12 ft	3.66 m
outside	21 ft 6 in	6.55 m	21 ft 6 in	6.55 m
Controls	12V DC proportional		12V DC proportional	
Tires - High Flotations	Air filled 41/18LL x 22.5, 20 ply		Air filled 41/18LL x 22.5, 20 ply	

Power

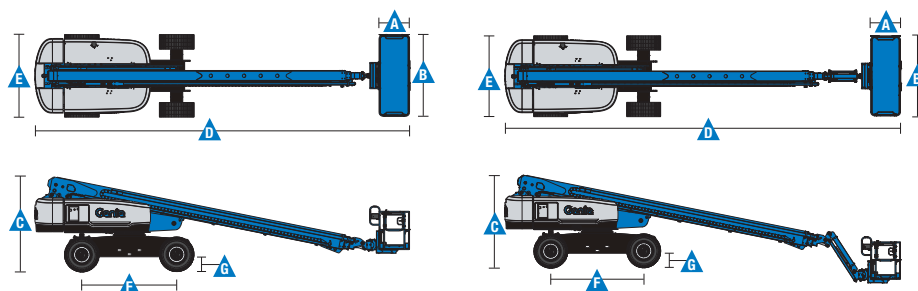
Power source	74 hp (55 kW) Deutz turbo diesel, Tier 4i, TD2011L04i 74 hp (55 kW) Deutz turbo diesel, Tier 4f, 2.9 L 58 hp (43.25 kW) Perkins turbo diesel, Tier 4, 404D-22T 58 hp (43.25 kW) Perkins turbo diesel, Tier 4, 404F-E22TA 70 hp (52.2 kW) GM gas/LPG 3.0L			
Auxiliary power unit	12V DC		12V DC	
Hydraulic tank capacity	40 gal	150 L	40 gal	150 L
Fuel tank capacity - diesel	35 gal	132 L	35 gal	132 L
- gas/LPG	30 gal	114 L	30 gal	114 L

Weight***

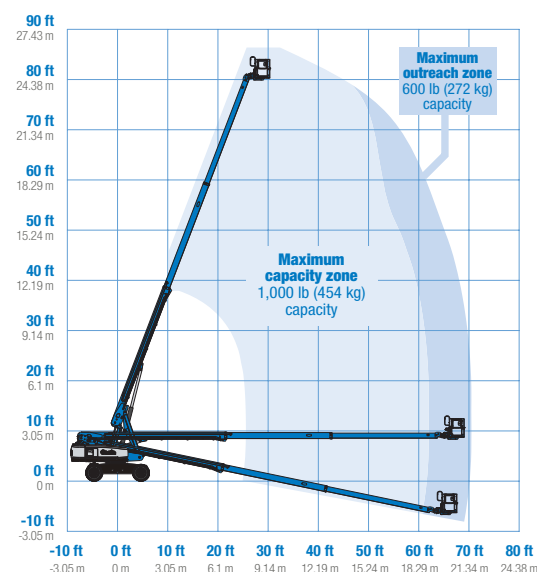
	35,500 lbs	16,103 kg	38,000 lbs	17,237 kg
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Standards Compliance

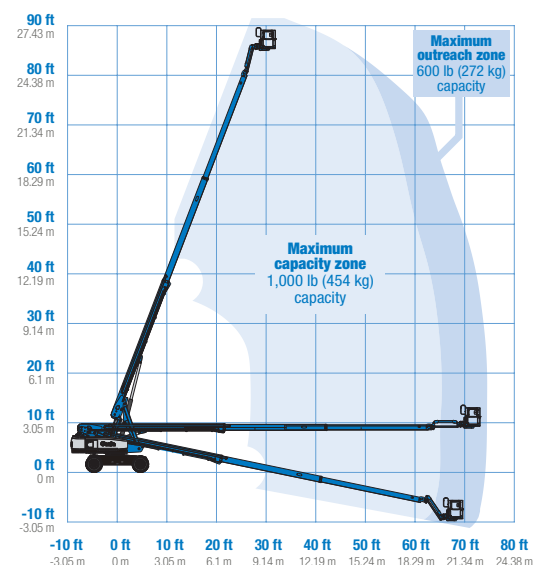
ANSI A92.20, CSA B354.7, EN 280, AS 1418.10



Range Of Motion S-80 HF



Range Of Motion S-85 HF



* 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.

Self-Propelled Telescopic Booms

S[®]-80 HF & S[®]-85 HF

Features

Standard Features

Measurements

S-80 HF

- 86 ft (26.38 m) working height
- 68 ft 6 in (20.88 m) horizontal reach
- 600 lbs (272 kg) unrestricted and 1,000 lbs (454 kg) restricted lift capacity

S-85 HF

- 91 ft (27.74 m) working height
- 72 ft 6 in (22.10 m) horizontal reach
- 600 lbs (272 kg) unrestricted and 1,000 lbs (454 kg) restricted lift capacity

Productivity

- Self-leveling platform
- 160° hydraulic platform rotation
- Proportional joystick controls
- Drive enable
- AC power cord to platform
- Horn
- Hour meter
- Tilt alarm
- Descent alarm
- 360° continuous turntable rotation
- Positive traction four wheel drive
- Two speed wheel motors
- Telematics ready connector
- Platform Load sense system
- Entry Toeboard
- Hydraulic oil cooler
- Alarm package
- Work tray
- Lift Guard™ Contact Alarm

Power

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

Easily Configured To Meet Your Needs

Platform Options

- Steel 6 ft (1.83 m) dual entry with side swing gate
- Steel 8 ft (2.44 m) tri-entry with side swing gate (standard)

Jib Options

- Non-jib (S-80 HF only)
- 5 ft (1.52 m) jib boom (S-85 HF only)

Engine Options

- 74 hp (55.18 kW) Deutz turbo diesel T4f* (standard)
- 58 hp (43.25 kW) Perkins turbo diesel T4f*
- 70 hp (52.2 kW) GM gas/LPG

Axle

- Active oscillation

Options & Accessories

Productivity Options

- Half mesh platform inserts
- Platform top auxiliary rail
- Lift Power™
 - 3 kW AC Generator
 - 12 kW 240 V / 60 Hz Welder Ready package
 - 12 kW Welder Equipped, Select Lincoln or Miller (12 kW options include a fire extinguisher and fireproof sleeves)
- Air line to platform
- Specialty hydraulic oil (cold weather, fire resistant, or biodegradable)
- Hostile environment kit
- Deluxe hostile environment kit
- Aircraft protection package (6 ft platform only)
- Thumb rockersteer
- Panel cradle package
- Lockable platform control box covers
- Tow package
- Work light package
- Operator Protective Structure**
- Fall Arrest Bar

Power Options

- Cold Weather Packages
- Diesel scrubber/muffler (catalytic muffler)
- LPG tank only, steel, 33.5 lb (15.19 kg) capacity
- Intake air pre-cleaner



* Also available as Tier 4i in limited regions
** Available through aftermarket parts only

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Effective Date: June, 2018. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and we make no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade names of Terex Corporation and/or their subsidiaries in the USA and many other countries. Terex, Genie and AWP are registered trademarks of Terex Corporation or its subsidiaries. © 2018 Terex Corporation.