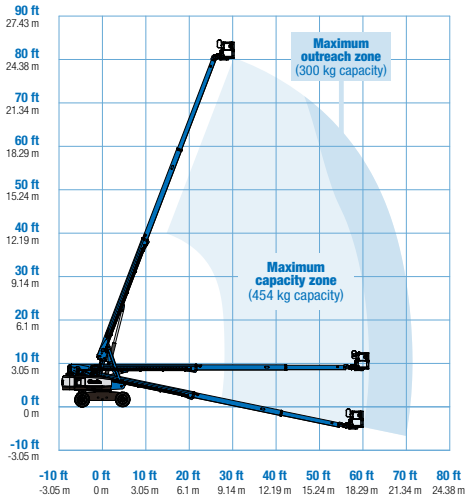
# Self-Propelled Telescopic Booms

## S™-80 XC & S-85 XC

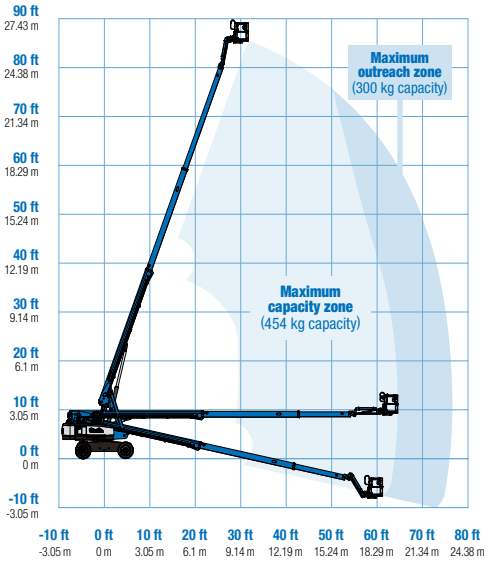
## Specifications

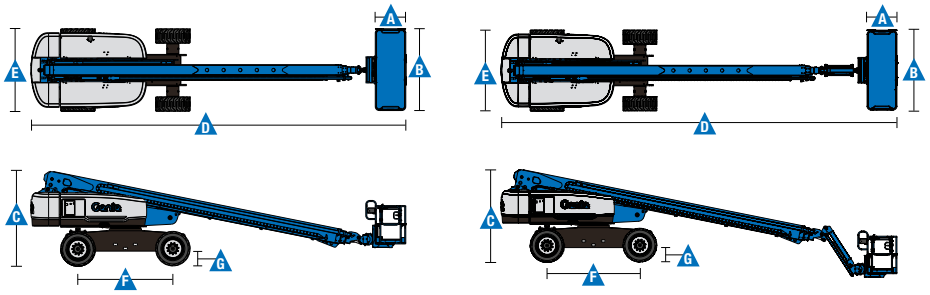
| Models | S-80 XC | | S-85 XC | |
|---|---|---|---|---|
| **Measurements** | **Metric** | **US** | **Metric** | **US** |
| Working height maximum* | 26.38 m | 86 ft | 27.91 m | 91 ft |
| Platform height maximum | 24.38 m | 80 ft | 25.91 m | 85 ft |
| Horizontal reach maximum | 20.83 m | 68 ft 4 in | 22.71 m | 74 ft 6 in |
| Below ground reach | 1.68 m | 5 ft 6 in | 2.69 m | 8 ft 10 in |
| 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 |
| B 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 |
| C Height - stowed | 2.80 m | 9 ft 2 in | 2.80 m | 9 ft 2 in |
| D Length - stowed | 11.30 m | 37 ft 1 in | 12.37 m | 40 ft 7 in |
| Length - transport (jib tucked under) | ——— | ——— | 11.60 m | 38 ft |
| E Width | 2.49 m | 8 ft 2 in | 2.49 m | 8 ft 2 in |
| F Wheelbase | 2.85 m | 9 ft 4 in | 2.85 m | 9 ft 4 in |
| G Ground clearance - center | 0.40 m | 15.8 in | 0.40 m | 15.8 in |
| **Productivity** | | | | |
| Maximum lift capacity - unrestricted | 300 kg | 660 lb | 300 kg | 660 lb |
| - restricted | 454 kg | 1,000 lb | 454 kg | 1,000 lb |
| Platform rotation | 160° | 160° | 160° | 160° |
| Vertical jib rotation | ——— | ——— | 135° (+ 78° /- 57°) | |
| Turntable rotation | 360° continuous | | 360° continuous | |
| Turntable tailswing | 1.60 m | 5 ft 3 in | 1.60 m | 5 ft 3 in |
| Drive speed - stowed | 5.4 km/h | 3.3 mph | 5.4 km/h | 3.3 mph |
| - raised/extended | 0.3 m/s | 0.95 mph | 0.3 m/s | 0.95 mph |
| Gradeability - stowed** | 45% | 45% | 45% | 45% |
| Turning radius : inside | 3.66 m | 12 ft | 3.66 m | 12 ft |
| outside | 6.55 m | 21 ft 6 in | 6.55 m | 21 ft 6 in |
| Controls | 12V DC proportional | | 12V DC proportional | |
| Tyres - RT foam filled | 18-625, 16 ply | | 18-625, 16 ply | |
| **Power** | | | | |
| Power source | Deutz TD 2011 L04i, 55 kW (74 hp), Stage IIIA<br>Deutz TD2.9 L4, 74 hp (55 kW), Stage IIIB | | | |
| Auxiliary power unit | 12V DC | 12V DC | 12V DC | 12V DC |
| Hydraulic tank capacity | 150 L | 40 gal | 150 L | 40 gal |
| Fuel tank capacity - diesel | 132 L | 35 gal | 132 L | 35 gal |
| **Sound & Vibration Levels** | | | | |
| Sound pressure level (ground workstation) | 83 dBA | 83 dBA | 83 dBA | 83 dBA |
| Sound pressure level (platform workstation) | 71 dBA | 71 dBA | 71 dBA | 71 dBA |
| Vibration | <2.5 m/s² | <8 ft 2 in/s² | <2.5 m/s² | <8 ft 2 in/s² |
| **Weight*** ** | | | | |
| 4WD | 16,783 kg | 37,000 lbs | 17,917 kg | 39,500 lbs |
| **Standards Compliance** | EU Directives: 2006/42/EC - Machinery (harmonized standard EN280); 2004/108/EC (EMC); 2000/14/EC (Outdoor Noise) | | | |

### Range Of Motion S-80 XC




### Range Of Motion S-85 XC




* 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 XC & S-85 XC

# Features

## Standard Features

### Measurements

**S-80 XC**

- 26.38 m (86 ft) working height
- 20.83 m (68 ft 4 in) horizontal reach
- 300 kg (660 lb) unrestricted and 454 kg (1,000 lb) restricted lift capacity

**S-85 XC**

- 27.91 m (91 ft) working height
- 22.71 m (74 ft 6 in) horizontal reach
- 300 kg (660 lb) unrestricted and 454 kg (1,000 lb) restricted lift capacity

### Productivity

- Self-leveling platform
- 160° 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 & ground control box covers
- Positive traction drive
- Two speed wheel motors
- Four wheel high angle steer
- Four steering modes: front, rear, crab and coordinated
- On board full diagnostics and engine monitoring display
- Telematics ready connector
- Lift Guard™ Contact Alarm
- Certified load sensor

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

### Engine Options

- Deutz Stage IIIA turbo diesel 55 kW (74 hp)
- Deutz Stage IIIB turbo diesel 55 kW (74 hp)

### Drive Options

- 4 x 4

### Axle

- Active oscillation

### Tyre Options

- Rough terrain foam-filled (standard - water base)
- Rough terrain non-marking foam-filled

## Options & Accessories

### Productivity Options

- Half-mesh platform inserts
- Platform top auxiliary rail
- Power to platform (incl. plug, socket and ground fault interrupt leakage on request)
- Dual axis joystick steering
- Biodegradable hydraulic oil
- Hostile environment kit
- Panel cradle package
- Track & Trace [1] (GPS unit providing machine location & operating information)
- Operator Protective Structure

### Power Options

- AC Generator (110V/50 Hz-220V/50 Hz)
- Diesel catalytic scrubber muffler [2]
- Diesel air intake pre-cleaner [2]

[1] Includes a first 2 years subscription
[2] Factory-fit option only

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