

Specifications

| Models | S-80 X | | S-85 | |
|---------------------------------------|------------|---------|------------|---------|
| | US | Metric | US | Metric |
| Measurements | | | | |
| Working height maximum* | 86 ft | 26.20 m | 91 ft | 27.70 m |
| Platform height maximum | 80 ft | 24.40 m | 85 ft | 25.90 m |
| Horizontal reach maximum | 71 ft 6 in | 21.80 m | 76 ft 6 in | 23.30 m |
| Below ground reach | 6 ft 1 in | 1.85 m | 9 ft 6 in | 2.89 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 | 36 ft 6 in | 11.10 m | 40 ft | 12.20 m |
| Length - transport (jib tucked under) | | | 38 ft | 11.60 m |
| E Width | 8 ft 2 in | 2.50 m | 8 ft 2 in | 2.50 m |
| F Wheelbase | 9 ft 4 in | 2.80 m | 9 ft 4 in | 2.80 m |
| G Ground clearance - center | 15.8 in | 0.40 m | 15.8 in | 0.40 m |

Productivity

| | | | | |
|--------------------------------|----------------------------|----------------|----------------------------|----------|
| Lift capacity | 500 lb/ 1000 lb | 227 kg/ 454 kg | 500 lbs | 227 kg |
| Platform rotation | 160° | | 160° | |
| Vertical jib rotation | | | 135° | |
| Turntable rotation | 360° continuous | | 360° continuous | |
| Turntable tailswing | 4 ft 8 in | 1.42 m | 4 ft 8 in | 1.42 m |
| Drive speed - stowed - 2WD/4WD | 3.3 mph | 5.3 km/h | 3.3 mph | 5.3 km/h |
| - raised/extended | 0.65 mph | 1.0 km/h | 0.65 mph | 1.0 km/h |
| Gradeability - 2WD - stowed** | 30% | | 30% | |
| - 4WD - stowed** | 45% | | 45% | |
| Turning radius: inside | 12 ft | 3.70 m | 12 ft | 3.70 m |
| outside | 21 ft 6 in | 6.60 m | 21 ft 6 in | 6.60 m |
| Controls | 12V DC proportional | | 12V DC proportional | |
| Tires - RT lug | Foam filled 18-625, 16 ply | | Foam filled 18-625, 16 ply | |

Power

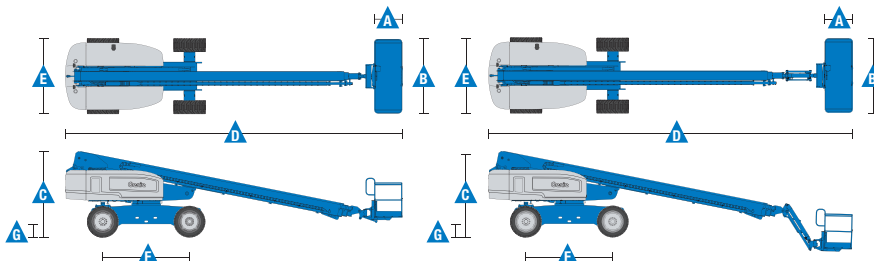
| | | | | |
|-----------------------------|--|---------|--------|---------|
| Power source | 74 hp (55 kW) Deutz turbo diesel T4i TD2011L04i 63 hp (47 kW) Perkins diesel T4i 804D-33 74 hp (55 kW) Continental gas/LPG TME27 | | | |
| Auxiliary power unit | 12V DC | | | |
| Hydraulic tank capacity | 40 gal | 150 L | 40 gal | 150 L |
| Fuel tank capacity - diesel | 35 gal | 132 L | 35 gal | 132 L |
| - gas/LPG | 30 gal | 113.6 L | 30 gal | 113.6 L |

Weight***

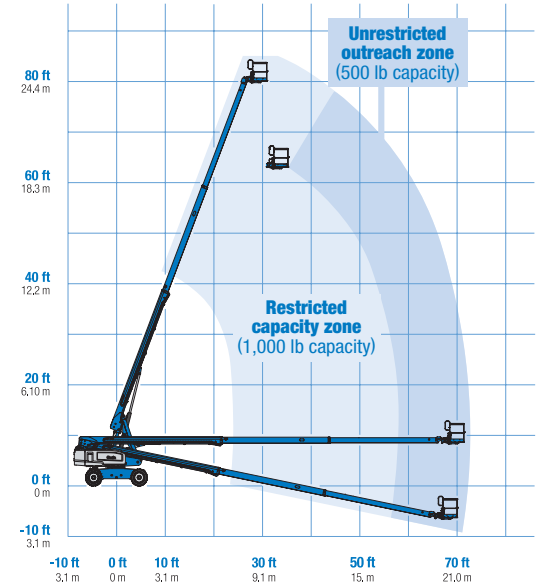
| | | | | |
|-----|------------|-----------|------------|-----------|
| 2WD | 35,400 lbs | 16,057 kg | 37,900 lbs | 17,191 kg |
| 4WD | 35,500 lbs | 16,102 kg | 38,000 lbs | 17,236 kg |

Standards Compliance

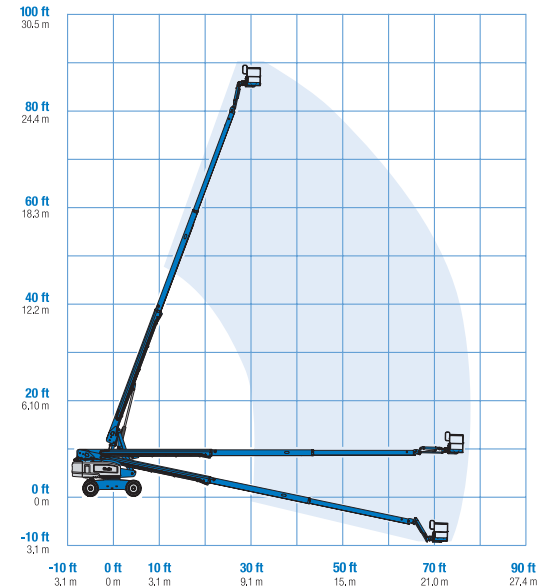
ANSI A92.5, CSA B354.4, EN 280, AS 1418.10



Range Of Motion S-80 X



Range Of Motion S-85 (500 lb capacity)



* 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

Measurements

S-80 X*

- 86 ft (26.38 m) working height
- 71 ft 6 in (21.8 m) horizontal reach
- 500 lbs (227 kg) unrestricted and 1000 lbs (454 kg) restricted lift capacity

S-85

- 91 ft (27.90 m) working height
- 76 ft 6 in (23.3 m) horizontal reach
- 500 lbs (227 kg) 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 drive
- Two speed wheel motors

Power

- 12V DC auxiliary power
- Anti-restart engine protection
- Auto engine fault shutdown
- Catalytic converter muffler (Continental engine only)
- Engine block heater (Continental engine only)

Easily Configured To Meet Your Needs

Platform Options

- Steel 8 ft (2.44 m) (standard)
- Steel 6 ft (1.83 m)
- Steel 8 ft (2.44 m) tri-entry

Jib Options

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

Engine Options

- 74 hp (55 kW) Deutz turbo diesel T4i (standard)
- 63 hp (47 kW) Perkins diesel T4i
- 74 hp (55 kW) Continental gas/LPG

Drive Options

- 2WD
- 4WD (standard)

Axle

- Active oscillation

Tire Options

- Rough terrain foam-filled (standard)
- Rough terrain non-marking foam-filled
- High floatation air-filled (Increases width by 4 in)

Options & Accessories

Productivity Options

- Platform swing gate
- Half mesh platform inserts with swing gate
- Platform top auxiliary rail
- Welder Ready package
- Weld leads to platform
- Air line to platform
- Hydraulic oil cooler
- Biodegradable hydraulic oil
- Hostile environment kit
- Deluxe hostile environment kit
- Aircraft protection package (6 ft platform only)
- Thumb rockersteer
- Tool tray
- Alarm package
- Panel cradle package (tri-entry platform)
- Lockable platform control box covers
- Tow package
- Work light package
- Operator Protective Structure

Power Options

- Engine gauge package
- AC generator packages (110V/-220V/50Hz, 3000W)
- Cold Weather Packages
- Diesel scrubber/spark arrestor muffler (catalytic muffler)
- LPG tank only, steel, 33.5 lbs (15.19 kg) capacity
- Intake air pre-cleaner



* Not available on CE machines

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