

Specifications

| Models | S-40 / S-40 TraX | | S-45 / S-45 TraX | |
|---|------------------|-------------|------------------|-------------|
| Measurements | Metric | US | Metric | US |
| Working height maximum* (on tyres) | 14.20 m | 46 ft | 15.72 m | 51 ft |
| Working height maximum* (with TraX) | 14.20 m | 46 ft | 15.72 m | 51 ft |
| Platform height maximum (on tyres) | 12.20 m | 40 ft | 13.72 m | 45 ft |
| Platform height maximum (with TraX) | 12.20 m | 40 ft | 13.72 m | 45 ft |
| Horizontal reach maximum | 9.65 m | 31 ft 8 in | 11.18 m | 36 ft 8 in |
| Below ground reach | 0.97 m | 3 ft 2 in | 1.50 m | 4 ft 11 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 standard tyres | 2.49 m | 8 ft 2 in | 2.49 m | 8 ft 2 in |
| - stowed with TraX | 2.49 m | 8 ft 2 in | 2.49 m | 8 ft 2 in |
| D Length - stowed | 7.39 m | 24 ft 3 in | 8.48 m | 27 ft 10 in |
| Length - transport (jib tucked under) | — | — | 6.80 m | 22 ft 4 in |
| E Width - standard tyres | 2.30 m | 7 ft 6 in | 2.24 m | 7 ft 4 in |
| - TraX option | 2.31 m | 7 ft 7 in | 2.31 m | 7 ft 7 in |
| F Wheelbase | 2.20 m | 7 ft 3 in | 2.20 m | 7 ft 3 in |
| G Ground clearance - center | 0.32 m | 1 ft 0.5 in | 0.32 m | 1 ft 0.5 in |
| - centre TraX | 0.32 m | 1 ft 0.5 in | 0.32 m | 1 ft 0.5 in |

Productivity

| | | | | |
|--------------------------------------|-------------------------|------------|-------------------------|------------|
| Lift capacity | 227 kg | 500 lbs | 227 kg | 500 lbs |
| Platform rotation | 160° | 160° | 160° | 160° |
| Vertical jib rotation | — | | 135° (+78° /-57°) | |
| Turntable rotation | 360° continuous | | 360° continuous | |
| Turntable tailswing (on tyres) | 86 cm | 2 ft 10 in | 86 cm | 2 ft 10 in |
| Turntable tailswing (with TraX) | 89 cm | 2 ft 11 in | 89 cm | 2 ft 11 in |
| Drive speed - 2WD stowed (on tyres) | 7.7 km/h | 4.8 mph | 7.7 km/h | 4.8 mph |
| Drive speed - 4WD stowed (on tyres) | 7.7 km/h | 4.8 mph | 7.7 km/h | 4.8 mph |
| Drive speed - 4WD stowed (with TraX) | 4.02 km/h | 2.5 mph | 4.02 km/h | 2.5 mph |
| Drive speed - raised or extended | 1.1 km/h | 0.68 mph | 1.1 km/h | 0.68 mph |
| Gradeability** stowed - 2WD | 30% | 30% | 30% | 30% |
| Gradeability** stowed - 4WD | 40% | 40% | 40% | 40% |
| Turning radius - inside | 2 m | 6 ft 8 in | 2 m | 6 ft 8 in |
| - inside with TraX | N/A | N/A | N/A | N/A |
| Turning radius - outside | 4.78 m | 15 ft 8 in | 4.78 m | 15 ft 8 in |
| - outside with TraX | N/A | N/A | N/A | N/A |
| Controls | 12 V DC proportional | | 12 V DC proportional | |
| Tyres - RT air filled | 12-16.5 NHS | | 12-16.5 NHS | |
| TraX - track system | Quadra-Track system | | Quadra-Track system | |
| Ground Pressure (with TraX) | 0.77 kg/cm ² | 11 psi | 0.77 kg/cm ² | 11 psi |

Power

| | | | | |
|-----------------------------|---|---------|---------|---------|
| Power source | Deutz D 2011 LO3i cylinder diesel 36 kW (48 hp) | | | |
| | Perkins 404D-22 4 cylinder diesel 38 kW (51 hp) | | | |
| Auxiliary power unit | 12 V DC | 12 V DC | 12 V DC | 12 V DC |
| Hydraulic tank capacity | 170 L | 45 gal | 170 L | 45 gal |
| Fuel tank capacity (Diesel) | 76 L | 20 gal | 76 L | 20 gal |

Sound & Vibration Levels

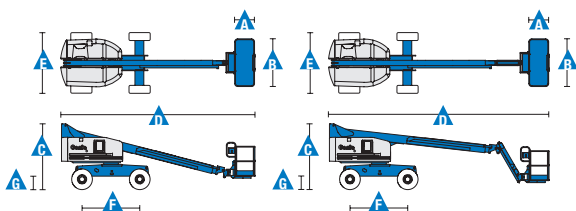
| | | | | |
|---|-----------------------|---------------------------|-----------------------|---------------------------|
| Sound pressure level (ground workstation) | 84 dBA | 84 dBA | 84 dBA | 84 dBA |
| Sound pressure level (platform workstation) | 76 dBA | 76 dBA | 76 dBA | 76 dBA |
| Vibration | <2.5 m/s ² | <8 ft 2 in/s ² | <2.5 m/s ² | <8 ft 2 in/s ² |

Weight***

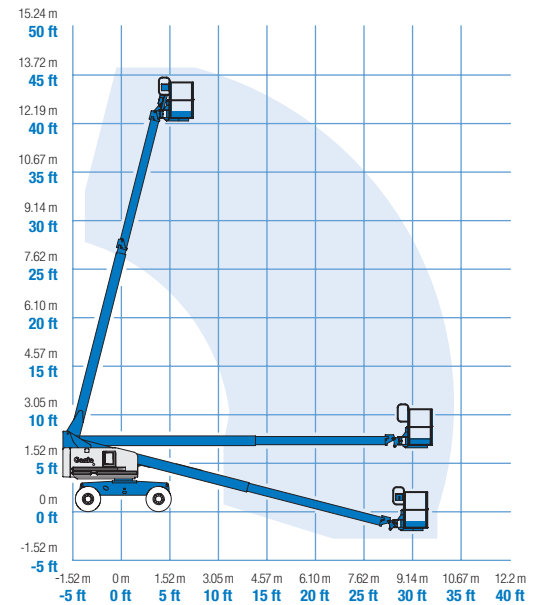
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|----------------------|------------|-------------|------------|-------------|
| 2WD (CE air tyres) | 5,420 kg | 11,950 lbs | 6,709 kg | 14,790 lbs |
| 4WD (CE air tyres) | 5,420 kg | 11,950 lbs | 6,709 kg | 14,790 lbs |
| CE Foam Filled tyres | add 296 kg | add 652 lbs | add 296 kg | add 652 lbs |
| 4 WD (Track system) | 6,564 kg | 14,440 lbs | 7,927 kg | 17,440 lbs |

Standards Compliance

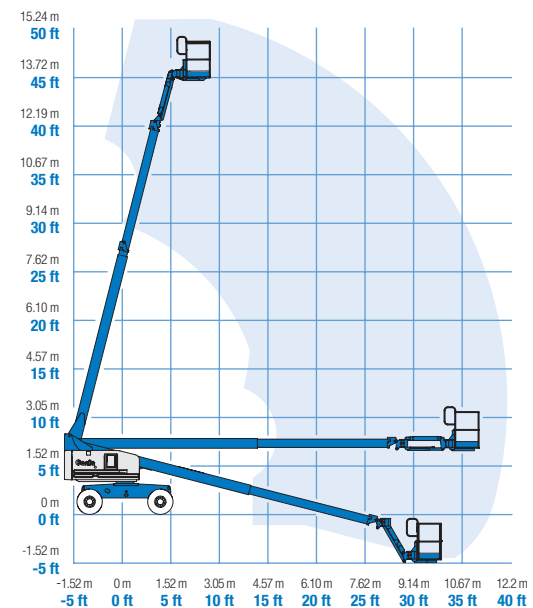
EU Directives: 2006/42/EC - Machinery (harmonized standard EN280:2001+A2:2009); 2004/108/EC (EMC); 2000/14/EC (Outdoor Noise)



Range of Motion S-40 / S-40 TraX



Range of Motion S-45 / S-45 TraX



* 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 |
|-------------------|--------------------------------------|-----------------------|
|-------------------|--------------------------------------|-----------------------|

Measurements

S-40, S-40 TraX

- 14.20 m (46 ft) working height
- 9.65 m (31 ft 8 in) horizontal reach
- 227 kg (500 lbs) lift capacity

S-45, S-45 TraX

- 15.72 m (51 ft) working height
- 11.18 m (36 ft 8 in) horizontal reach
- 227 kg (500 lbs) lift capacity

Productivity

- Self-levelling platform
- Hydraulic platform rotation
- Proportional joystick controls
- Thumb rocker steering
- Drive enable
- AC power cord to platform
- Tilt alarm
- Descent & travel alarms
- Flashing beacon
- Horn
- Hour meter
- 360° continuous turntable rotation
- Locking turntable covers
- Positive traction drive
- Two speed wheel motors
- Certified load sensor

Power

- 12 V DC auxiliary power
- Anti-restart engine protection
- Auto engine fault shutdown
- Intake air heater (Deutz engine)

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 36 kW (48 hp)
- Perkins diesel 38 kW (51 hp)

Drive Options

- 2 x 4
- 4 x 4

Axle Options

- Active oscillation (4WD)
- Non-oscillating (2WD)

Tyre Options

- Rough terrain air-filled
- Rough terrain foam-filled (water base)
- Rough terrain non-marking air or foam-filled
- Sealant treated air-filled
- Quadra-Track system



Productivity Options

- Platform top auxiliary rail
- Weld leads to platform ⁽¹⁾
- Air line to platform ^{(1), (4)}
- Power to platform (incl. plug, socket and ground fault interrupt leakage on request)
- Work lights package (2 on chassis, 2 on platform)
- Dual axis joystick steering
- Hydraulic oil cooler
- Biodegradable hydraulic oil ⁽¹⁾
- Hostile environment kit ⁽¹⁾: cylinder bellows, boom wiper seals, platform and ground control box cover
- Deluxe hostile environment kit ^(1,2): adds to basic kit center turntable shield, ring gear guard, tail pipe guard, engine cover flaps and air pre-cleaner
- Aircraft protection kit ^(1,2): platform foam padding and padded disable system
- Tilt cut-out option
- Track & Trace ⁽³⁾ (GPS unit providing machine location & operating information)
- Panel cradle package ^(1,2)
- Lockable platform & ground control box covers
- Tow package ⁽¹⁾
- Tool tray
- Operator Protective Structure
- Operator Protective Alarm

Power Options

- Engine gauge package ⁽¹⁾: oil pressure, temp & amp
- AC generator packages (110V/60Hz - 220V/50Hz, 3000 W, hydraulically driven) ⁽¹⁾
- Hydraulic MTE generator kit (110V/120V-220V/240V) ⁽²⁾
- Diesel air intake pre-cleaner ^(1,2)
- Diesel catalytic scrubber muffler ⁽¹⁾
- Low temperature cut-out module
- Cold start kit ⁽²⁾: engine heater & battery charger
- Refinery kit with spark arrestor and electric or mechanical Chalwyn valve ⁽²⁾

⁽¹⁾ Factory-fit option only

⁽²⁾ Available on selected models only. See your Genie representative for further information.

⁽³⁾ Includes a first 2 years subscription

⁽⁴⁾ Air line to platform not compatible with Weld leads to platform

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