

### Specifications

Models	S-40		S-45	
	US	Metric	US	Metric
Measurements				
Working height maximum*	46 ft	14.19 m	51 ft	15.72 m
Platform height maximum	40 ft	12.19 m	45 ft	13.72 m
Horizontal reach maximum	31 ft 8 in	9.67 m	36 ft 8 in	11.12 m
Below ground reach	3 ft 2 in	0.97 m	4 ft 11 in	1.5 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	8 ft 2 in	2.49 m	8 ft 2 in	2.49 m
- stowed with Trax option	8 ft 2 in	2.49 m	8 ft 2 in	2.49 m
D Length - stowed	24 ft 3 in	7.39 m	27 ft 10 in	8.48 m
- transport (jib tucked under)			22 ft 4 in	6.80 m
E Width - standard tires	7 ft 6 in	2.30 m	7 ft 6 in	2.30 m
- Trax option	7 ft 7 in	2.31 m	7 ft 7 in	2.31 m
F Wheelbase	7 ft 3 in	2.20 m	7 ft 3 in	2.20 m
G Ground clearance - center	1 ft .5 in	0.32 m	1 ft .5 in	0.32 m

### Productivity

Lift capacity	500 lbs	227 kg	500 lbs	227 kg
Platform rotation	160°		160°	
Vertical jib rotation				
Turntable rotation			135°	
Turntable tailswing	360° continuous		360° continuous	
Drive speed - stowed	2 ft 10 in	0.86 m	2 ft 10 in	0.86 m
- raised or extended	4.8 mph	7.7 km/h	4.8 mph	7.7 km/h
- Trax option stowed	0.68 mph	1.1 km/h	0.68 mph	1.1 km/h
- Trax option raised	2.5 mph	4.0 km/h	2.5 mph	4.0 km/h
Gradeability - 2WD - stowed**	0.68 mph	1.1 km/h	0.68 mph	1.1 km/h
- 4WD - stowed**	30%		30%	
Turning radius - inside	40%		40%	
- outside	6 ft 8 in	2.0 m	6 ft 8 in	2.0 m
- Trax option inside	15 ft 8 in	4.78 m	15 ft 8 in	4.78 m
- Trax option outside	7 ft 9 in	2.36 m	7 ft 9 in	2.36 m
Controls	17 ft	5.18 m	17 ft	5.18 m
Tires - RT lug	12 V DC proportional		12 V DC proportional	
	12.5L-16SL front / 12-16.5 NHS rear			
	Trax		Trax	

### Power

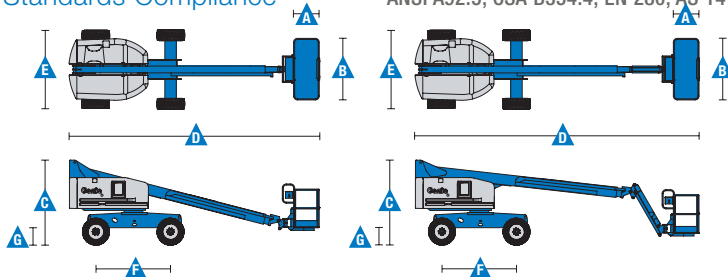
Power source	49 hp (36.54 kW) Deutz diesel T4f D2.9L4		49 hp (36.54 kW) Perkins diesel T4f 404D-22	
	60hp (44.74kW) Ford gas/LPG MSG425			
Auxiliary power unit	12 V DC		12 V DC	
Hydraulic tank capacity	45 gal	170 L	45 gal	170 L
Fuel tank capacity	20 gal	76 L	20 gal	76 L

### Weight\*\*\*

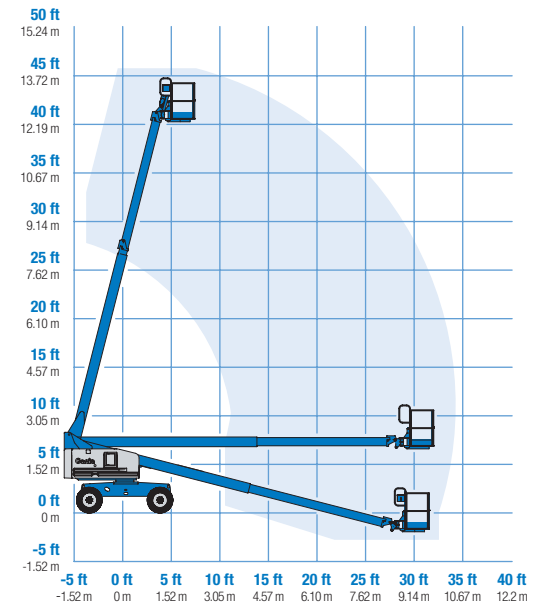
Standard	12,310 lbs	5,584 kg	15,270 lbs	6,926 kg
Trax	13,680 lbs	6,205 kg	16,670 lbs	7,561 kg

### Standards Compliance

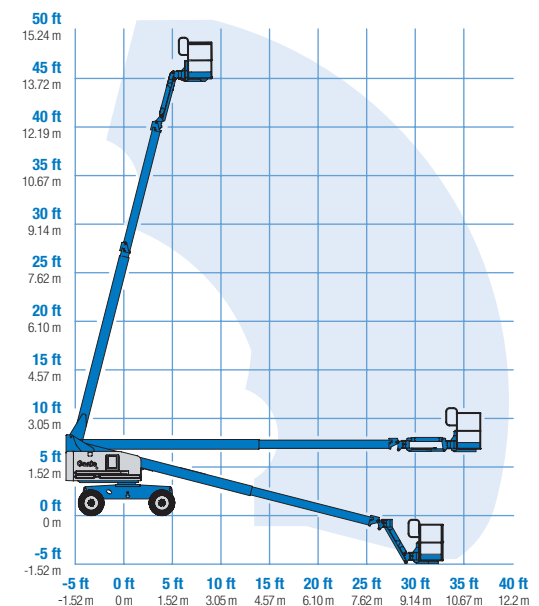
ANSI A92.5, CSA B354.4, EN 280, AS 1418.10



### Range Of Motion S-40



### Range Of Motion S-45



\* 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
<p><b>Measurements</b></p> <p><b>S-40</b></p> <ul style="list-style-type: none"> <li>• 46 ft (14.19 m) working height</li> <li>• 31 ft 8 in (9.65 m) horizontal reach</li> <li>• 500 lbs (227 kg) lift capacity</li> </ul> <p><b>S-45</b></p> <ul style="list-style-type: none"> <li>• 51 ft (15.72 m) working height</li> <li>• 36 ft 8 in (11.18 m) horizontal reach</li> <li>• 500 lbs (227 kg) lift capacity</li> </ul> <p><b>Productivity</b></p> <ul style="list-style-type: none"> <li>• Self-leveling platform</li> <li>• 160° hydraulic platform rotation</li> <li>• Proportional joystick controls</li> <li>• Fuel select switch on platform and ground control panels (Gas/LPG models)*</li> <li>• Drive enable</li> <li>• AC power cord to platform</li> <li>• Horn</li> <li>• Hour meter</li> <li>• Tilt alarm</li> <li>• Descent alarm</li> <li>• 360° continuous turntable rotation</li> <li>• Locking turntable covers</li> <li>• Positive traction drive</li> <li>• Two speed wheel motors</li> <li>• Telematics ready connector</li> <li>• Entry Toeboard</li> <li>• Lift Guard™ Contact Alarm</li> </ul> <p><b>Power</b></p> <ul style="list-style-type: none"> <li>• 12 V DC auxiliary power</li> <li>• Anti-restart engine protection</li> <li>• Auto engine fault shutdown</li> <li>• Intake air heater (Deutz engine)</li> </ul>	<p><b>Platform Options</b></p> <ul style="list-style-type: none"> <li>• Steel 8 ft (2.44 m) tri entry with side swing gate (standard)</li> <li>• Steel 6 ft (1.83 m) dual entry with side swing gate</li> </ul> <p><b>Jib Options</b></p> <ul style="list-style-type: none"> <li>• Non-jib (S-40 only)</li> <li>• 5 ft (1.52 m) jib boom (S-45 only)</li> </ul> <p><b>Engine Options</b></p> <ul style="list-style-type: none"> <li>• 49 hp (36.54 kW) Deutz diesel T4f** (standard)</li> <li>• 49 hp (36.54 kW) Perkins diesel T4f**</li> <li>• 60hp (44.74kW) Ford Gas/LPG</li> </ul> <p><b>Drive Options</b></p> <ul style="list-style-type: none"> <li>• 2WD</li> <li>• 4WD (standard)</li> </ul> <p><b>Axle Options</b></p> <ul style="list-style-type: none"> <li>• Active oscillation (4WD)</li> <li>• Non-oscillating (2WD)</li> </ul> <p><b>Tire Options</b></p> <ul style="list-style-type: none"> <li>• Rough terrain air-filled (standard)</li> <li>• Rough terrain foam-filled</li> <li>• Rough terrain non-marking (air or foam-filled)</li> <li>• High flotation air-filled</li> <li>• Sealant treated air-filled</li> <li>• Trax (track system)</li> </ul>	<p><b>Productivity Options</b></p> <ul style="list-style-type: none"> <li>• Half-mesh platform inserts</li> <li>• Platform top auxiliary rail</li> <li>• Welder Ready package</li> <li>• Air line to platform</li> <li>• Hydraulic oil cooler</li> <li>• Specialty hydraulic oil (cold weather, fire resistant, or biodegradable)</li> <li>• Hostile environment kit</li> <li>• Deluxe hostile environment kit</li> <li>• Aircraft protection package (6 ft platform only)</li> <li>• Thumb rocker steer</li> <li>• Alarm package</li> <li>• Panel cradle package</li> <li>• Lockable platform control box covers</li> <li>• Tow package</li> <li>• Work light package</li> <li>• Operator Protective Structure***</li> <li>• Fall Arrest Bar</li> </ul> <p><b>Power Options</b></p> <ul style="list-style-type: none"> <li>• Engine gauge package*</li> <li>• AC generator packages (110V/60Hz - 220V/50Hz, 2200W)</li> <li>• Cold Weather Packages</li> <li>• Diesel scrubber/muffler (catalytic muffler, Tier 4i only)</li> <li>• LPG tank 33.5 lbs (15.19 kg) capacity</li> <li>• Intake air pre-cleaner (Tier 4i only)</li> </ul>



\* Available only with Ford engine  
 \*\* Also available as Tier 4i in limited regions  
 \*\*\* Available through aftermarket parts only