

Genie® S®-85 XC™ FE & S-85 XC E

Specifications

Models	S-85 XC FE & S-85 XC E	
Measurements	US	Metric
Working height max.(1)	91 ft	27.91 m
Platform height max.	85 ft	25.91 m
Horizontal reach max.	74 ft 6 in	22.71 m
Below ground reach	8 ft 8 in	2.64 m
A Platform length (8 ft/6 ft)	3 ft/2 ft 6 in	0.91 m/0.76 m
B Platform width (8 ft/6 ft)	8 ft/6 ft	2.44 m/1.83 m
C Height - stowed	9 ft 2 in	2.80 m
D Length - stowed	41 ft 9 in	12.37 m
D Length - storage/transport (jib tucked under)	34 ft 6 in	10.51 m
E Width	8 ft 2 in	2.49 m
F Wheelbase	10 ft	3.05 m
G Ground clearance - center	19.4 in	0.49 m
H Height under counterweight	3 ft 11 in	1.19 m

Productivity

Lift capacity max. - unrestricted	660 lb	300 kg
Lift capacity max. - restricted	1,000 lb	454 kg
Number of Platform Occupants (restricted/unrestricted)	3/2	
Platform rotation	160°	
Jib length	5 ft	1.52 m
Vertical jib rotation (up/down)	133°	
Turntable rotation	360°	
Turntable tailswing	5 ft 9 in	1.75 m
Drive speed - stowed	3.0 mph	4.8 km/h
Drive speed - raised	0.5 mph	0.2 m/s
Gradeability - stowed ⁽²⁾	45%	
Tilt sensor activation (front to back/side to side)	7°/5°	
Turning radius - inside/outside	11 ft 6 in/22 ft 3 in	3.50 m/6.78 m
Tires	18-710	

Power

Drive System	48V 3-Phase AC
Battery Pack, Electric (high capacity)	48V DC, 460Ah or 450Ah, Li-ion
Battery Pack, Hybrid (standard capacity)	48V DC, 304Ah or 285Ah, Li-ion
AC generator, Hybrid	Diesel
Auxiliary power unit, Hybrid	48V DC (4×12V)
Hydraulic tank capacity	28 gal / 106 L
Fuel tank capacity	17 gal / 64 L

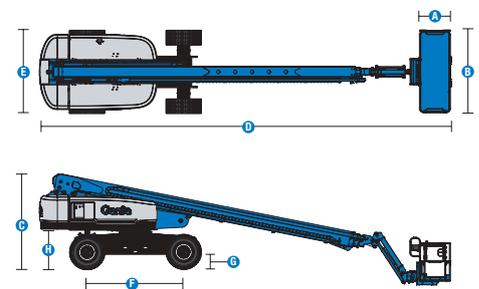
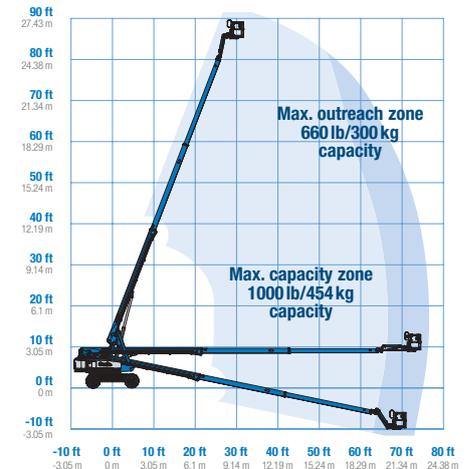
Weight(3) and Floor Loading⁽⁴⁾

Weight, Electric	38,908 lb	17,648 kg
Weight, Hybrid	39,592 lb	17,958 kg
Tire contact pressure	198 psi	1365 kPa
Occupied floor pressure	395 psf	18.9 kPa

Sound and Vibration Levels

Sound Pressure level (ground workstation), Electric/Hybrid	< 70 dBA/83 dBA
Sound Pressure level (platform workstation), Electric/Hybrid	< 70 dBA/72 dBA
Vibrations	1.15 ft/s ² / 0.35 m/s ²

Range of motion S-85 XC FE/S-85 XC E



(1) The metric equivalent of working height adds 2 m to platform height. The imperial equivalent adds 6 ft to platform height.

(2) Gradeability applies to driving on slopes and may vary depending on options and machine configurations. See operator's manual for details regarding slope ratings.

(3) Weight refers to standard configuration and may vary depending on options and/or country standards.

(4) Floor loading information is approximate and may vary depending on options and machine configurations. It should be used only with adequate safety factors.

Genie® S®-85 XC™ FE & S-85 XC E

SKU: Standard Model

- **S85XCFE1CG0020:** S-85 XC FE, Hybrid, 110V, Std. Lithium Battery, 4WD, RT NM tires
- **S85XCFE1CG0014:** S-85 XC FE, Hybrid, 220V, Std. Lithium Battery, 4WD, RT NM tires
- **S85XCFE1CG0013:** S-85 XC FE, Hybrid, 110V, Std. Lithium Battery, 4WD, RT NM tires, 3kW 115V/50Hz Inverter
- **S85XCFE1CG0015:** S-85 XC FE, Hybrid, 220V, Std. Lithium Battery, 4WD, RT NM tires, 3kW 230V/50Hz Inverter

* Build to Order

SKU: Standard Model

- **S85XCE01CE0012:** S-85 XC E, Electric, 110V, XC Lithium Battery, 4WD, RT NM tires
- **S85XCE01CE0014:** S-85 XC E, Electric, 220V, XC Lithium Battery, 4WD, RT NM tires
- **S85XCE01CE0013:** S-85 XC E, Electric, 110V, XC Lithium Battery, 4WD, RT NM tires, 3kW 115V/50Hz Inverter
- **S85XCE01CE0015:** S-85 XC E, Electric, 220V, XC Lithium Battery, 4WD, RT NM tires, 3kW 230V/50Hz Inverter

Option availability	S	S+	BtO
Power			
24.8 hp, 18.5 kW, Kubota D1105, Diesel, T4i/T4f, Stage IIIA/V, CN IV (Hybrid model only)	✓	✓	✓
Lithium-Ion Maintenance-Free Battery	✓	✓	✓
48V solid state battery charger 1.2 kW (Hybrid Model)	✓	✓	✓
48V solid state battery charger 3.3 kW (Standard on Electric)*	✓	✓	✓
EVSE: electric vehicle charging port			○
Power inverter 3kW 110V/50Hz			○
Power inverter 3kW 220V/50Hz			○
3-phase AC drive system	✓	✓	✓
48V DC auxiliary power unit	✓	✓	✓
Charge Port	✓	✓	✓
Low voltage interrupt (LVI) with battery charge indicator (BCI)	✓	✓	✓
Platform			
6ft/1.83m dual-entry platform with side swing gate			○
8ft/2.44m tri-entry platform with side swing gate	✓	✓	○
Power to platform with RCBO and Plug			○
Power to platform, No Plug	✓	✓	○
Power to platform, Plug		○	○
Thumb rocker joystick steering	✓	✓	○
Air line to platform			○
Control box covers		○	○
Lift Guard Full Mesh panels			○
Lift Guard Half Mesh panels			○
Light Package: drive and work lights			○
Platform auxiliary top rail			○
660lb/300kg & 1000lb/454kg dual load capacity with automatic envelope control	✓	✓	✓
AC Power cord to platform	✓	✓	✓
Drive enable system	✓	✓	✓
Horn	✓	✓	✓
Lift Guard Contact Alarm	✓	✓	✓
Lift Guard Lanyard Alert		○	○
Lift Guard Lanyard Alert Advanced		○	○
Lift Tools Work Tray		○	○
Platform load sense system	✓	✓	✓
Proportional controls	✓	✓	✓
Self-leveling platform	✓	✓	✓
Chassis			
Telematics-ready connector	✓	✓	✓
Lift Connect Telematics		○	○
Lift Connect with Access Manager upgrade		○	○
Eco32 biodegradable hydraulic oil		○	○
Rough terrain, foam-filled, non-marking tires	✓	✓	✓
Rough terrain, foam-filled tires		○	○
Cold Start Package (Kubota)		○	○
Lift Guard White Noise Alarm		○	○
Chassis tilt lift and drive function cut-out		○	○
Hostile environment kit			○
Active oscillating axle	✓	✓	✓
Alarm package: includes flashing beacon and travel alarm	✓	✓	✓
Chassis tilt drive function cut-out	✓	✓	✓
Descent, tilt and motion alarm	✓	✓	✓
Electric brake release	✓	✓	✓
Hour meter	✓	✓	✓
On-board diagnostic system	✓	✓	✓
Tech Pro Link connector	✓	✓	✓

- S Standard
- S+ Standard +
- BtO Build to Order
- ✓ Standard Features
- Options



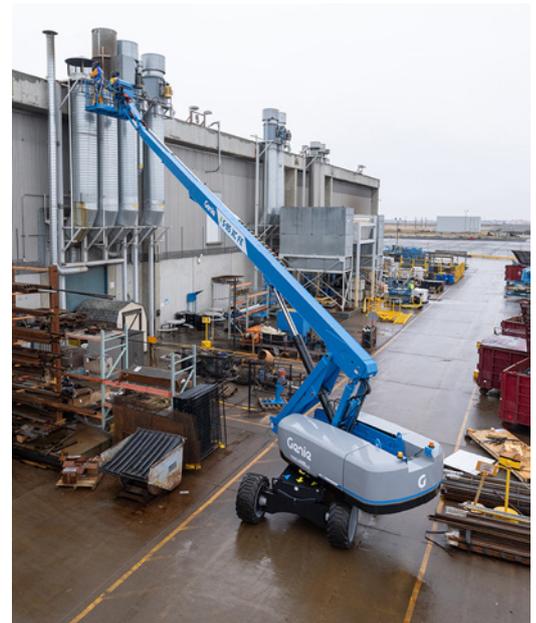
Xtra Capacity



Low Noise, Low Emissions



Power Inverter



Genie Genuine Accessories⁽¹⁾

- Lift Tools Productivity Tools
- Lift Connect Telematics
- Tech Pro Link Handheld Device

(1) More accessories available from Genie Genuine Parts.

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