

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

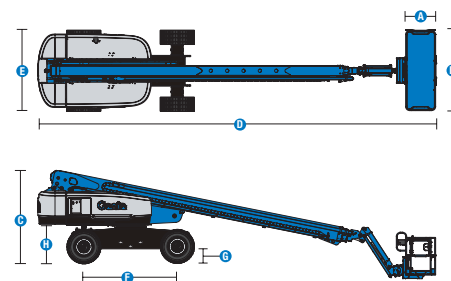
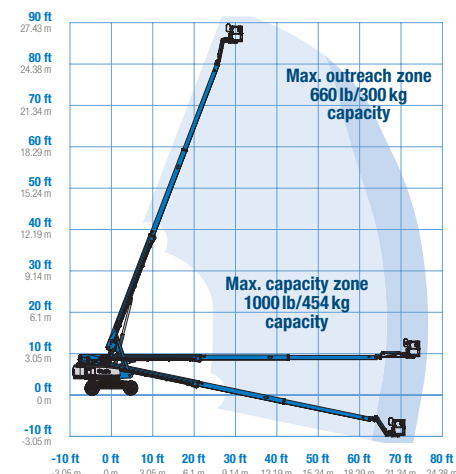
Weight(3) and Floor Loading⁽⁴⁾

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

- S85XCFE1AG0020:** S-85 XC FE, Hybrid, Std. Lithium Battery, 4WD, RT NM Tires
- S85XCFE1AG0021:** S-85 XC FE, Hybrid, Std. Lithium Battery, 4WD, RT NM Tires, 3kW Inverter

* Build to Order

SKU: Standard Model

- S85XCE01AE0010:** S-85 XC E, Electric, XC Lithium Battery, 4WD, RT NM Tires
- S85XCE01AE0011:** S-85 XC E, Electric, XC Lithium Battery, 4WD, RT NM Tires, 3kW Inverter

Option availability		S	S+	BtO
Power	24.8 hp, 18.5kW, Kubota D1105, Diesel, T4i/T4f, Stage IIIA/IV, CN IV (Hybrid model only)	✓	✓	✓
	Lithium-Ion Maintenance-Free Battery	✓	✓	✓
	48V solid state battery charger 1.2kW (Standard on Hybrid)	✓	✓	✓
	48V solid state battery charger 3.3kW (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	✓	✓	✓
Platform	Low voltage interrupt (LVI) with battery charge indicator (BCI)	✓	✓	✓
	6ft/1.83m dual-entry platform with side swing gate			○
	8ft/2.44m tri-entry platform with side swing gate	✓	✓	✓
	Dual axis joystick steering	✓	✓	✓
	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			○
	Operator protective structure		○	○
	Platform auxiliary top rail			○
	Lift Guard White Noise Alarm			○
	Lift Power 12kW Welder Ready AC Generator			○
	660lb/300kg & 1000lb/454kg dual load capacity with automatic envelope control	✓	✓	✓
	AC Power cord to platform			○
	Drive enable system	✓	✓	✓
	Horn	✓	✓	✓
Chassis	Lift Guard Contact Alarm	✓	✓	✓
	Lift Tools Work Tray		○	○
	Platform load sense system	✓	✓	✓
	Proportional controls	✓	✓	✓
	Self-leveling platform	✓	✓	✓
	Telematics-ready connector	✓	✓	✓
	Lift Connect Telematics		○	○
	Lift Connect with Access Manager upgrade			○
	Biodegradable hydraulic oil			○
	Cold Start Package (Kubota)		○	○
	Hostile environment kit			○
	Rough terrain, foam-filled, non-marking tires	✓	✓	✓
	Rough terrain, foam-filled tires		○	○
	Active oscillating axle	✓	✓	✓
	Alarm package: includes flashing beacon and travel alarm	✓	✓	✓
	Chassis tilt drive function cut-out	✓	✓	✓
	Chassis tilt lift and drive function cut-out	✓	✓	✓
	Descent, tilt and motion alarm	✓	✓	✓
	Electric brake release	✓	✓	✓
	Hour meter	✓	✓	✓
	On-board diagnostic system	✓	✓	✓
	Tech Pro Link connector		○	○

*Optional on Hybrid when equipped with XC Battery

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



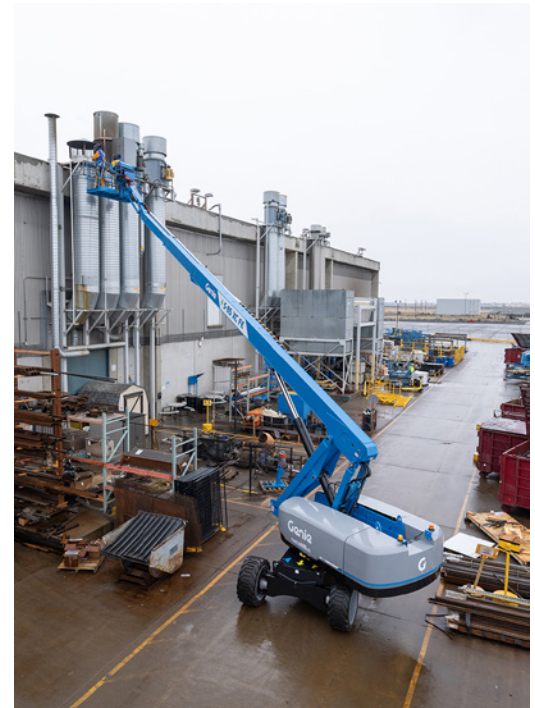
Xtra Capacity



Low Noise,
Low Emissions



Power Inverter



Genie Genuine Accessories⁽¹⁾

- Lift Tools Productivity Tools
- Tech Pro Link Handheld Device

(1) More accessories available from Genie Genuine Parts.

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