



**ADVANCED  
ACCESS PLATFORMS**

# SJ12/16/20 E

## VERTICAL MAST LIFTS



### STANDARD FEATURES

- Variable speed, front two wheel electric drive
- Overload sensing system
- Drivable at full height with platform retracted
- 90° Steering (zero inside turning radius)
- Dual holding brakes
- On-board visual interface with diagnostic capabilities
- Shroud style, impact resistant composite control box
- Proportional controls for drive & lift functions
- 16" (0.41 m) Traversing platform
- Multistage lift cylinders
- 24V DC power source
- 2 x 12V Batteries
- Low voltage battery protection
- 25% Gradeability
- Solid rubber, non-marking tires
- Fixed pothole protection system
- 110V AC outlet at platform with GFI
- Tilt sensor (2.5° x 1.5°)
- Tilt alarm with drive & lift cut-out
- All motion audible alarm
- Lanyard attachment points
- Operator horn
- Lift rings/tie downs
- Half height spring hinged entry gate
- Removable oil filter
- Forklift pockets (2.5" x 5")
- Telematics ready
- 2 Year Gold Leaf Warranty (5 year structural warranty)



- 15% operational carbon saving compared to previous model



- Up to 30% improvement in duty cycle



- ZERO emissions



- <70 dB inherently quiet machine operation (excl. alarms)
- White noise/broadband alarms - *optional*



- 90% recyclable (by weight)



- 70% less hydraulic connections  
– reduces leak potential
- ECOTRAY leak containment - *optional*
- Bio-degradable hydraulic oil - *optional*



- Telematics – remote diagnostics reduces site visits (operational carbon foot print)
- Battery Management system  
– improves battery life

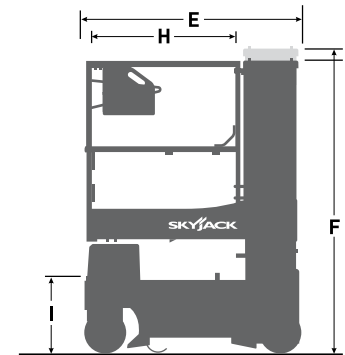
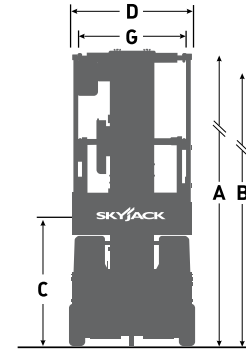
† Standard lead times may be increased when optional equipment is added, consult factory.

‡ Capacities and machine weights may differ when options are added.

\* Only available with ELEVATE telematics

# SJ12/16/20 E VERTICAL MAST LIFTS

Dimensions	SJ12 E	SJ16 E	SJ20 E
<b>A</b> Work Height	18' (5.48 m)	21' 6" (6.55 m)	25' 6" (7.77 m)
<b>B</b> Raised Platform Height	12' (3.66 m)	15' 6" (4.72 m)	19' 6" (5.94 m)
<b>C</b> Lowered Platform Height	30" (0.76 m)		
<b>D</b> Overall Width	30.5" (0.77 m)	30.5" (0.77 m)	31.5" (0.80 m)
<b>E</b> Overall Length	54" (1.37 m)		
<b>F</b> Stowed Height (Top of Mast)	74" (1.88 m)	74" (1.88 m)	79.5" (2.0 m)
<b>G</b> Platform Width (Inside Dimension)	27" (0.69 m)		
<b>H</b> Platform Length (Inside Dimension)	36" (0.91 m)		
<b>I</b> Step in Height (First Step)	18" (0.46 m)		
Specifications	SJ12 E	SJ16 E	SJ20 E
Traversing Platform (Roll Out)	16" (0.41 m)		
Ground Clearance (Lowest Point)	1" (3 cm)		
Ground Clearance (Highest Point)	3.5" (9 cm)		
Wheelbase	44" (1.12 m)		
Weight	2,012 lbs (913 kg)	2,054 lbs (931 kg)	2,440 lbs (1,107 kg)
Gradeability	25%		
Turning Radius (Inside)	0		
Turning Radius (Outside)	55" (1.40 m)		
Lift Time (With Rated Load)	15 sec	21 sec	26 sec
Lower time (With Rated Load)	16 sec	22 sec	26 sec
Drive Speed (Stowed)	2 mph (3 km/h)		
Drive Speed (Raised)	0.3 mph (0.5 km/h)		
Maximum Drive Height	Full Height		
Capacity (Overall)	500 lbs (227 kg)	500 lbs (227 kg)	350 lbs (159 kg)
Local Floor Load (With Rated Load)	154 psi (1059 kPa)	169 psi (1167 kPa)	148 psi (1,021 kPa)
Overall Floor Load (With Rated Load)	212 psf (10.1 kPa)	217 psf (10.4 kPa)	237 psf (11.3 kPa)
Maximum # of Persons at 0 mph (0 m/s) Wind Rating	2	1	1
Maximum # of Persons up to 28 mph (12.5 m/s) Wind Rating	1	0 / Optional 1	0 / Optional 1
Tire Type	Solid, Non-Marking		
Tire Size	10" x 4" (252 mm x 102 mm)		



## ACCESSORIES †

- Light duty pipe rack
- Tool tray (SJ12 E & SJ20 E only)
- Florescent tube carrier

## OPTIONS ‡

- Wind rating – SJ16 E (12 ft / 3.66 m)  
SJ20 E (13 ft / 3.96 m)
- Dual flashing lights
- 4 x 6V (220Ah) Batteries
- Saloon gate
- Bio oil
- Secondary guarding lift enable (SGLE)
- Non-destructive testing
- White Noise Alarm
- ELEVATE Telematics (3 year or 5 year plans available)
- ELEVATE Battery Management System (BMS) \*
- Warranty Options (3 year or 5 year plans available)

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