

# 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 alarm with drive & lift cut-out (2.5° x 1.5°)
- 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-degradeable hydraulic oil - *optional*

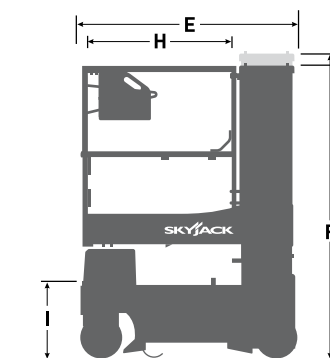
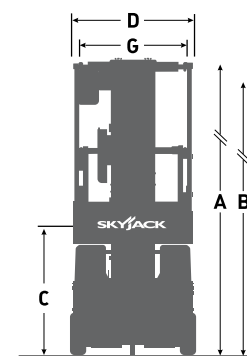


- Telematics – remote diagnostics reduces site visits (operational carbon foot print)

† Standard lead times may be increased when optional equipment is added, consult factory.  
‡ Capacities and machine weights may differ when options are added.

# 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<sup>†</sup>

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

## OPTIONS<sup>†</sup>

- 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)
- Warranty Options (3 year or 5 year plans available)

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