

# SJ12/16/20 E

## VERTICAL MAST LIFTS



### STANDARD FEATURES

- Variable speed, front two-wheel AC electric drive
- Overload sensing system
- Drivable at full height
- Integrated control system
- On-board visual interface with diagnostic capabilities
- Standard Skyjack colour and numbered wiring
- Shroud style, impact resistant composite control box
- Proportional controls for drive & lift functions
- Tilt alarm (2.5° x 1.5°) with drive & lift cut-out
- Lift up chassis centre cover for easy access
- 24V DC power with low voltage battery protection
- Universal smart charger
- Solid rubber, non-marking tyres
- 90° Steering (zero inside turning radius)
- 25% Gradeability
- Dual electrically released holding brakes
- Inverted mast with multi-stage lift cylinder
- 0.41 m Traversing platform
- Full height spring hinged entry gate
- Lanyard attachment points
- Wiring for AC outlet at platform
- Fixed pothole protection
- Forklift pockets and tie down / lift lugs
- Single point emergency lowering
- Operator horn
- Telematics ready



- 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*



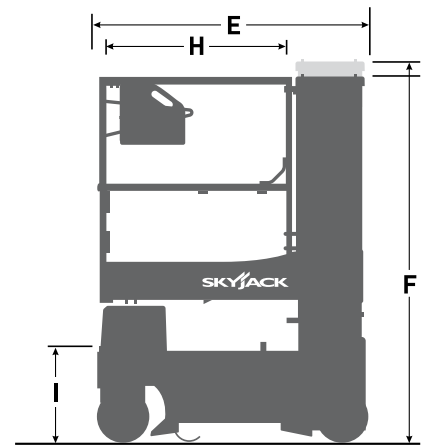
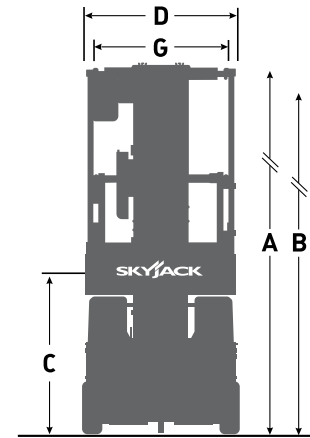
- Telematics – remote diagnostics reduces site visits (operational carbon foot print)

† 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 MASTS

Dimensions	SJ12 E	SJ16 E	SJ20 E
<b>A</b> Work Height	5.66 m	6.72 m	7.94 m
<b>B</b> Raised Platform Height	3.66 m	4.72 m	5.94 m
<b>C</b> Lowered Platform Height		0.75 m	
<b>D</b> Overall Width	0.77 m	0.77 m	0.80 m
<b>E</b> Overall Length		1.37 m	
<b>F</b> Stowed Height (Top of Mast)	1.88 m	1.88 m	2.0 m
<b>G</b> Platform Width (Inside Dimension)		0.69 m	
<b>H</b> Platform Length (Inside Dimension)		0.91 m	
<b>I</b> Platform Step in Height (First Step)		0.46 m	

Specifications	SJ12 E	SJ16 E	SJ20 E
Traversing Platform (Roll Out)		0.41 m	
Ground Clearance (Lowest point)		3 cm	
Ground Clearance (Highest point)		9 cm	
Wheelbase		1.12 m	
Weight	913 kg	931 kg	1,107 kg
Gradeability		25%	
Turning Radius (Inside)		0	
Turning Radius (Outside)		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)		3 km/h	
Drive Speed (Raised)		0.5 km/h	
Maximum Drive Height		Full Height	
Capacity (Overall)	227 kg	227 kg	159 kg
Local Floor Load (With Rated Load)	1,059 kPa	1,167 kPa	1,021 kPa
Overall Floor Load (With Rated Load)	10.1 kPa	10.4 kPa	11.3 kPa
Maximum # of Persons at 0 m/s wind rating	2	1	1
Maximum # of Persons up to 12.5 m/s wind rating	1	0 (Optional 1 to 3.58 m)	0 (Optional 1 to 3.96 m)
Tyre Type		Solid, Non-Marking	
Tyre Size		254 mm x 102 mm	



## ACCESSORIES †

- Light duty pipe rack
- Florescent tube carrier
- ECOTRAY leak containment system

## OPTIONS ‡

- All motion audible alarm
- Dual flashing lights
- Saloon style full height gate
- Bio oil
- 12.5 m/s wind rating to 3.58 m (SJ16 E only)
- 12.5 m/s wind rating to 3.96 m (SJ20 E only)
- Secondary guarding lift enable (SGLE)
- White Noise Alarm
- ELEVATE Telematics

[www.skyjack.com](http://www.skyjack.com)

Skyjack UK  
Unit 1, Maes-y-Clawdd  
Maesbury Road Industrial Estate  
Oswestry, Shropshire, SY10 8NN  
Tel: +44 1691 676235  
Fax: +44 1691 676239  
Email: info@skyjackeurope.co.uk

Skyjack SAS (France)  
74 Rue Sibert  
F-42400 Saint Chamond  
France  
Tel: +33 (0) 4 78 73 53 32  
Fax: +33 (0) 4 78 56 52 42

Skyjack Hebebühnen GmbH  
(Germany)  
Därmanbusch 2a  
D-58456 Witten  
Tel: +49 (0) 2302 20 26 909  
Fax: +49 (0) 2302 20 25 671

Skyjack AB (Sweden)  
Agnesbergsvägen 28  
424 38 Agnesberg  
Sweden  
Tel: +46 (0) 31 21 22 45  
Fax: +46 (0) 31 787 65 10

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