

City of Knoxville
Fleet Services
Electric Scissor Lift

GENERAL DESCRIPTION

The equipment requested is an electric scissor lift similar in size to a Skyjack SJ111 3215. All freight and delivery charges shall be included in the price. Must meet the following specifications:

Standards Needed - Electric Scissor Lift - measurements are approximate

Dimensions

Work Height	Not to exceed 22'
Raised Platform Height	Not to exceed 16'
Lowered Platform Height	Not to exceed 36"
Overall Width	Not to exceed 32"
Overall Length	Not to exceed 71"
Stowed Height (Rails Up)	Not to exceed 79.5"
Stowed Height (Rails Down)	Not to exceed 66"
Platform Width (Inside Dimension)	Not to exceed 30"
Platform Length (Inside Dimension)	Not to exceed 65"

Specifications

Extension Deck (Roll Out)	2' 11"- 3'
Ground Clearance (Stowed)	2.35"- 2.4"
Ground Clearance (Raised)	0.7"-0.9"
Wheelbase	Not to exceed 55"
Weight	Not to exceed 2550lbs
Gradeability	25% - 30%
Turning Radius (Inside)	0
Turning Radius (Outside)	Not to exceed 66"

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Lift Time (With Rated Load)	Less than 23 sec
Lower time (With Rated Load)	No more than 25 sec
Drive Speed (Stowed)	2.1mph- 2.5mph
Drive Speed (Raised)	<1mph
Maximum Drive Height	Full Height
Capacity (Overall)	Approx. 600 lbs
Distributed Capacity (Main Platform)	Approx. 350 lbs
Distributed Capacity (Extension Deck)	Approx. 250 lbs
Maximum # of Persons (indoor/outdoor)	2/1
Tire Type	Solid, N/M
Tire Size	12 x 4 x 8

Additional Specifications

- Drivable at full height with roll out deck fully extended
- Variable speed, front two-wheel hydraulic drive
- 90° Steering (zero inside turning radius)
- Dual holding brakes
- Proportional controls for drive & lift functions
- 24V DC Power source
- Low voltage battery protection
- Relay-based control system
- Color coded and numbered wiring system
- Solid rubber, non-marking tires
- Pothole protection system
- Wiring for AC outlet on platform
- Tilt alarm with drive & lift cut-out
- Overload sensing system
- Lowering warning system
- Operator horn
- Half height spring hinged gate

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- Hinged railing system
- Lanyard attachment points
- Forklift pockets and tie down/lift lugs
- Telematics ready
- Flashing light
- All motion audible alarm
- Dual flashing lights
- AGM Batteries
- Shroud-style control box guard

Equipment is to be delivered to City of Knoxville location to be discussed with winning bidder and **training shall be provided on use and maintenance of lift before payment is made.**