



**GROVE**<sup>®</sup>  
**MANLIFT**<sup>®</sup>

**SM2232E**  
**SM2532E**  
**SM2632E**

Self-Propelled Aerial Work Platforms



**W**ith their compact size and convenient operation, the SM2232E, SM2532E and SM2632E are the ideal choices for a variety of industrial, commercial and construction applications. The SM2232E and SM2532E will fit into most standard elevators while the SM2632E is compact enough to fit into most freight elevators, making these models perfect for use in multi-story buildings.

**Advantages:**

- **Increased Jobsite Accessibility** - Compact dimensions allow the machines to be driven through standard doorways and into most freight elevators for multi-story applications.
- **Excellent Maneuverability** - the combination of the compact size and tight turning radius provides exceptional maneuverability in tight quarters.
- **Component Accessibility** - Swing-out compartment doors provide easy access to all hydraulic, electrical components.

**Check these standard features:**

- Heavy duty all-steel welded platform
- 3 ft. (0.91 m) slide-out deck extension
- Multi-step controller for drive/ lift with thumb steer
- 110 V AC power to the platform
- Automatic battery charger
- Low maintenance greaseless scissor arm bushings
- Non-marking solid rubber tires

**Standard Equipment**

**PLATFORM**

Diamond-embossed steel platform deck with 6 in. (0.15 m) toeboard and removable 39.75 in. (1.01 m) high railing.



*Standard 3 ft. (0.91 m) roll-out deck extension with 3 position lock provides additional reach and over 7 sq. ft. (0.65 m²) of additional platform work space.*

**CONTROLS**



*Standard multi-step controller provides 2-speed drive and lift control, and one-hand control of drive and steer.*

Removable weather resistant upper control console permits on or off-platform operation. Multi-step controller with thumb steer for drive and lift. Toggle switch for high/low drive speed. Selector switch for drive/lift. Emergency stop push button. Function enable push button with indicator light designed to prevent inadvertent operation. Color coded universal symbols aid in function identification.

**POWER PLANT**

Permanent magnet DC motor with thermal protection, 4 hp. Powered by four 6-volt 200 amp-hour batteries.

Built-in 110-volt 60 Hz AC 24-volt, 20 amp DC automatic battery charger.

Lockable master battery disconnect switch.

**HYDRAULIC SYSTEM**

2-section, positive displacement gear pump delivers a maximum 2 gpm (7.57 lpm) @ 3,000 psi on the SM2232E and SM2532E; 4 gpm (15.1 lpm) @ 3,000 psi on the SM2632E.

10 micron in-tank return filter with replaceable cartridge.

**CHASSIS**

Front-wheel hydrostatic drive with counterbalance valve for dynamic braking. Spring applied/hydraulically released rear wheel lock for holding machine stationary on firm level surfaces. Wheel lock features manual release for towing and loading.

Cylinder-actuated, electro-hydraulic front-wheel steer provides a tight turning radius.

- Fork lift pockets
- Motion alarm
- Tilt alarm
- Lift/tie-down points



*Swing-out compartment doors provide excellent access to hydraulic and electric components.*

### **Options -- All Models**

- 800-watt 110-volt self contained power
- 6 ft. (1.8 m) powered deck extension (SM2632E only) - 700 lbs. capacity
- Amber rotating beacon
- Battery level indicator
- Hourmeter
- "EE" rating (ANSI/UL 583)



*For reaching over obstacles, the SM2632E offers an optional 6 ft. (1.8 m) hydraulically operated deck extension with a capacity of 700 lbs. (317 kg). (Note: Unit cannot be driven with optional deck extended.)*



*The top rail at the platform entrance is removable to allow materials to be easily loaded.*



*Compact dimensions allow access through standard doorways with rails installed.*



*Fork lift pockets simplify loading and unloading and are ideal for transport around large job-sites.*

# Specifications

	SM2232E	SM2532E	SM2632E
<b>Platform</b>			
Working Height	22 ft. (6.71 m)	25 ft. (7.62 m)	26 ft. (7.92 m)
Platform Height	16 ft. (4.88 m)	19 ft. (5.79 m)	20 ft. (6.07 m)
Platform Capacity	500 lbs. (227 kg)	500 lbs. (227 kg)	750 lbs. (340 kg)

## Dimensions

Platform Size	31.75 x 63 in. (0.81 x 1.60 m)	31.75 x 63 in. (0.81 x 1.60 m)	31.75 x 88 in. (0.81 x 2.23 m)
Roll Out Deck Extension	36 in. (0.91 m)	36 in. (0.91 m)	36 in. (0.91 m)
Overall Height (stowed)	76 in. (1.93 m)	76 in. (1.93 m)	77.6 in. (1.97 m)
Overall Length	66 in. (1.67 m)	66 in. (1.67 m)	88.4 in. (2.24 m)
Overall Width	32 in. (0.81 m)	32 in. (0.81 m)	32.75 in. (0.83 m)
Wheelbase	50.25 in. (1.28 m)	50.25 in. (1.28 m)	72.6 in. (1.84 m)
Outside Turning Radius	6 ft. 1 in. (1.85 m)	6 ft. 1 in. (1.85 m)	8 ft. 2 in. (2.49 m)
Inside Turning Radius	1 ft. 7 in. (0.48 m)	1 ft. 7 in. (0.48 m)	2 ft. 6 in. (0.76 m)
Ground Clearance	2 5/8 in. (0.07 m)	2 5/8 in. (0.07 m)	4 in. (0.1 m)

## Performance

Maximum Drive Speed	2.0 mph (3.2 km/h)	2.0 mph (3.2 km/h)	2.0 mph (3.2 km/h)
Gradeability (Theoretical)*	20%	20%	20%
Wheel Locks	Hydraulic cylinder	Hydraulic cylinder	Hydraulic cylinder
Lift Speed	20 seconds	35 seconds	27 seconds
Lower Speed	15 seconds	35 seconds	35 seconds
Tire Size	200 x 8	200 x 8	300 x 8
Tire Fill	Solid non-marking	Solid non-marking	Solid non-marking

## Power Source

System Voltage	24 volts	24 volts	24 volts
Number of Batteries	4 (6 volts)	4 (6 volts)	4 (6 volts)
Battery Amp-Hours	200	200	200
Charger Amps	20	20	20

## Hydraulics

Reservoir Capacity	2.5 gal. (9.5 liters)	2.5 gal. (9.5 liters)	3.5 gal. (13.25 liters)
Pump Type	2 section Gear	2 section Gear	2 section Gear

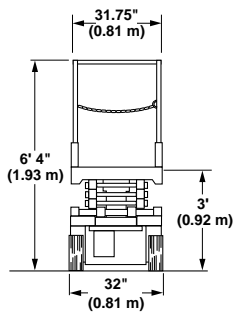
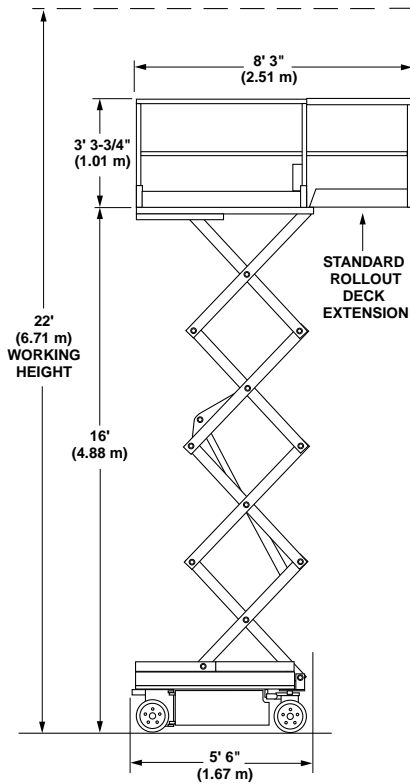
## Shipping Information

Weight	2,280 lbs. (1034 kg)	2,800 lbs. (1270 kg)	3,820 lbs. (1732 kg)
Shipping Cube	94 cu. ft. (2.66 m <sup>3</sup> )	94 cu. ft. (2.66 m <sup>3</sup> )	131 cu. ft. (3.7 m <sup>3</sup> )

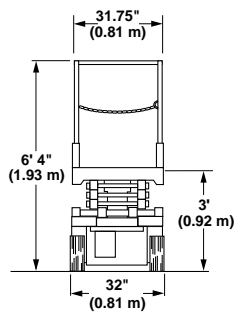
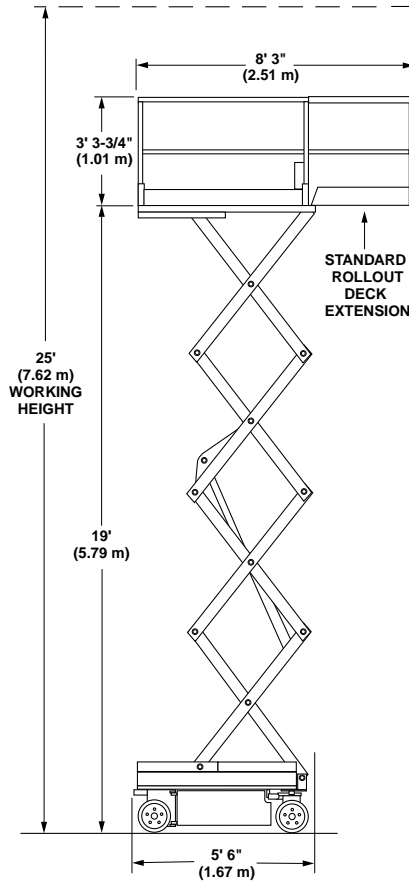
\*Published machine gradeability is theoretical. Machine to be in a stowed position. Always operate machine on a firm, level surface when elevated.

# Dimensions

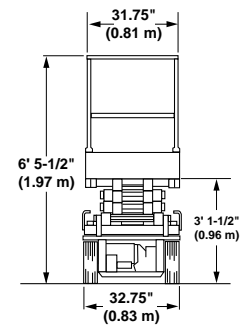
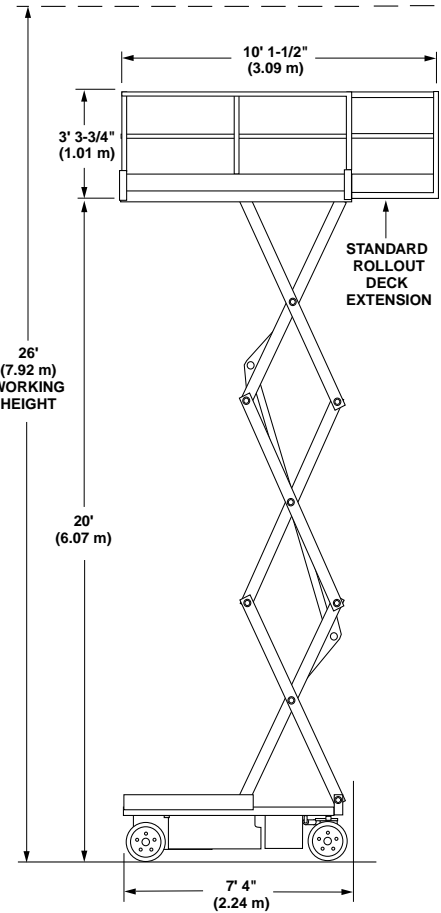
## SM2232E



## SM2532E



## SM2632E



# The Grove Manlift . . .

# PRODUCT PROTECTION PLAN

**12** MONTHS  
PARTS  
WARRANTY

**12** MONTHS  
LABOR  
WARRANTY

**84** MONTHS  
STRUCTURAL  
WARRANTY

Now there's another reason to choose Grove Manlift aerial work platforms! It's the Grove Manlift Product Protection Plan! Under this plan, all new Grove Manlift aerial work platforms are warranted to be free from defects in material and workmanship for *one full year*. All structural components, including booms, riser, masts, turntables, frames and scissors arms, are covered for *six additional years!*\* Only Grove Manlift has the confidence -- and the equipment -- to make an offer this good.

\*See manufacturer's warranty for any limitations or restrictions which may apply.

**The strongest warranty in the industry . . . for the  
strongest line in the industry!**



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Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment, and price changes without notice. Illustrations shown may include optional equipment and accessories and may not include all standard equipment. This work platform meets the requirements, to the extent applicable, of US-DOL OSHA regulations and ANSI A92 standards in effect on the date of manufacture.

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