

VERTICAL MAST LIFTS

VM160EL

Compliant with ANSI/CSA standards

HIGHLIGHTS

Outstanding Performance

- Suitable for Indoor & Outdoor use
- Front wheel drive offers a small turning radius and anti-slip features
- Saloon style entry gate for ease of entry into the platform

Easy Operation

- Utilizes a pin-type weighing sensor, ensuring stable and accurate weighing unaffected by environmental factors
- Three level lifting cylinder drives lifting, simplifying transmission mechanism components by 70% and ensuring reliable lifting
- Automatic pothole protection system to increase stability when driven into pothole

Low Maintenance Cost

- Double fully-open doors design on chassis for easier access to the maintenance of all components
- AGM maintenance-free batteries come standard, decreasing total cost of ownership
- The core components control system, motor controller, battery, and charger are common with Sinoboom scissor lifts, reducing operating costs



Standard Features		
2WD×2WS	Maintenance-free battery	Fully proportional controls
Non-marking tires	Automatic braking system	Emergency lowering system
Emergency stop	Fault diagnosis system	Tilt protection system
Flashing beacon	Lifting eyes	Electrophoretic painting
Horn and buzzer	Automatic pothole guard system	driveable at full height
Weighing System	Bumper rails	
Options & Accessories		
Telematics		

SINOBOOM™
— NORTH AMERICA

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Model	VM05EL (VM160EL)
Dimensions	
Max Working Height (Indoor/Outdoor)	22'1" (6.7 m) / 18'1.7" (5.5 m)
A Max Platform Height (Indoor/Outdoor)	16'1" (4.9 m) / 12'1.7" (3.7 m)
Max Horizontal Reach	1'7.7" (0.5 m)
B Length-stowed	4'6.3" (1.38m)
C Overall Width	2'6.7" (0.78 m)
D Height-stowed	6'6.3" (1.99 m)
E Wheelbase	3'5.7" (1.06 m)
Axle-base	2.2' (0.67 m)
Ground Clearance (Pothole Guard Stowed)	2.7" (0.068 m)
Ground Clearance (Pothole Guard Deployed)	0.59" (0.015 m)
Platform Size (L×W×H)	4'5"×2'5"×3'7" (1.34 m×0.74 m×1.1 m)
Performance	
Platform Capacity	500 lbs (227 kg)
Extension Platform Capacity	249 lbs (113 kg)
Max Platform Occupants (Indoor/Outdoor)	1 Person/1 Person
Drive Speed (Stowed)	0~2.5 mph (0~4 km/h)
Drive Speed (Raised)	0~0.3 mph (0~0.5 km/h)
Lift Time (Rated load)	24~28s
Lower Time (Rated load)	24~28s
Gradeability (2WD)	25%
Max Allowable Inclination (Front-To-Back/Side-To-Side))	3°/1.5°
Turning Radius (Inside/Outside)	5.5"/4'5" (0.14 m/1.34 m)
Tire Size/Type	12×4" (305×100 mm) / solid 12×4.5" (305×114 mm) / solid
Power	
Drive×Steer	2 WD×2 WS
Power Source (V/kW)	24 V DC, 2.2 kW
Hydraulic Tank Capacity	1.6 gal (1.3 gal (UK)/6 L)
Battery	24 V, 120 Ah
Charger (Input/Output)	100~240 V AC/15A
Weight	
Weight (Indoor)	2,138 lbs (970 kg)
Standards Compliance	ANSI/CSA

