

VERTICAL MAST LIFTS

VM05EL (VM160EL)

Compliant with CE/ANSI/CSA standards

HIGHLIGHTS

Efficient Construction

- 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 onto the platform

Reliable Performance

- 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 for better passability when mast is lowering

Convenient Maintenance

- Double fully-open doors design on chassis for easier access to the maintenance of all components
- Human-computer interaction interface, wide-screen display, fault self-diagnosis, intelligent and efficient
- AGM maintenance-free batteries come as standard, decrease 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	Proportional control
Non-marking tires	Automatic braking system	Emergency lowering system
Emergency stop button	Fault diagnosis system	Tilt protection system
Warning light	Lifting hole	Electrophoretic painting
Buzzer	Automatic pothole protection	driveable at full height
Weighing System	Bumper rails	Safety arm
Options & Accessories		
Tool tray		

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Model	VM05EL (VM160EL)
Dimensions	
Max Working Height (Indoor/Outdoor)	6.9 m (22'7.7") / 5.7 m (18'8.4")
A Max Platform Height (Indoor/Outdoor)	4.9 m (16'1") / 3.7 m (12'1.7")
Max Horizontal Reach	0.5 m (1'7.7")
B Length-stowed	1.38m (4'6.3")
C Overall Width	0.78 m (2'6.7")
D Height-stowed	1.99 m (6'6.3")
E Wheelbase	1.06 m (3'5.7")
Axle-base	0.67 m (2.2')
Ground Clearance (Pothole Guard Stowed)	0.068 m (2.7")
Ground Clearance (Pothole Guard Deployed)	0.015 m (0.59")
Platform Size (L×W×H)	1.34 m×0.74 m×1.1 m (4'5"×2'5"×3'7")
Performance	
Platform Capacity	227 kg (500 lbs)
Extension Platform Capacity	113 kg (249 lbs)
Max Platform Occupants (Indoor/Outdoor)	1 Person/1 Person
Drive Speed (Stowed)	0~4 km/h (0~2.5 mph)
Drive Speed (Raised)	0~0.5 km/h (0~0.3 mph)
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)	0.14 m/1.34 m (5.5"/4'5")
Tire Size/Type	305×100 mm (12×4") / solid 305×114 mm (12×4.5") / solid
Power	
Drive×Steer	2 WD×2 WS
Power Source (V/kW)	24 V DC, 2.2 kW
Hydraulic Tank Capacity	6 L (1.3 gal (UK)/1.6 gal (US))
Battery	24 V, 120 Ah
Charger (Input/Output)	100~240 V AC/15A
Weight	
Weight (Indoor)	970 kg (2,138 lbs)
Standards Compliance	CE/ANSI/CSA

