

VERTICAL MAST LIFTS

VM04E (VM120E) / VM05EL (VM160EL)

Compliant with CE/ANSI/CSA standards

PRODUCT HIGHLIGHTS

Efficient Construction

- 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

- Three lifting cylinders 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	AGM maintenance-free battery	Fault diagnosis system
Solid non-marking tires	Proportional control	Emergency lowering system
Emergency stop	Electrophoretic painting	Tilt protection system
Flashing beacon	Lifting and tie-down points	Overload sensing system
Drivable at full height	Automatic pothole protection	Manual storage box
Horn & buzzer	Bumper rails	Auto braking system
Telematics-ready connector	Cylinder mast system	
Options & Accessories		
RCBO	AC power to platform	Tool tray

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VERTICAL MAST LIFTS
VM04E (VM120E) / VM05EL (VM160EL)

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Model	VM04E (VM120E)	VM05EL (VM160EL)
Dimensions		
Max Working Height (Indoor/Outdoor)	5.8 m (19') (Indoor only)	6.9 m (22'7.7") / 5.7 m (18'8.4")
A Max Platform Height (Indoor/Outdoor)	3.8 m (12'5.6") (Indoor only)	4.9 m (16'1") / 3.7 m (12'1.7")
Max Horizontal Reach	-	0.5 m (1'7.7")
B Length-Stowed	1.38 m (4'6.3")	1.38m (4'6.3")
C Overall Width	0.78 m (2'6.7")	0.78 m (2'6.7")
D Height-stowed	1.66 m (5'5.4")	1.99 m (6'6.3")
E Wheelbase	1.06 m (3'5.7")	1.06 m (3'5.7")
Ground Clearance (Pothole Guard Stowed)	0.068 m (2.7")	0.068 m (2.7")
Ground Clearance (Pothole Guard Deployed)	0.015 m (0.59")	0.015 m (0.59")
Platform Dimensions (L×W×H)	1.34 m × 0.74 m × 1.1 m (4'5"×2'6"×3'8")	1.34 m × 0.74 m × 1.1 m (4'5"×2'5"×3'7")
Performance		
Platform Capacity	227 kg (500 lbs)	227 kg (500 lbs)
Platform Allowable Occupants	2 Persons (Indoor only)	1 Person/1 Person
Drive Speed (Stowed)	4 km/ h (2.5 mph)	0 ~ 4 km/h (0 ~ 2.5 mph)
Drive-Speed (Raised)	0.5 km/ h (0.3 mph)	0 ~ 0.5 km/h (0 ~ 0.3 mph)
Lift Time (Unloaded)	15~20 s	24~28s
Lower Time (Unloaded)	20~25 s	24~28s
Gradeability	25%	25%
Max Allowable Inclination (Front-To-Back/Side-To-Side)	3° /1.5°	3° /1.5°
Turning Radius (Inside/Outside)	0.14 m/1.34 m (5.5"/4'5")	0.14 m/1.34 m (5.5"/4'5")
Tire Spec/Type	305×114 mm (12×4.5") front tires 305×100 mm (12×4") rear tires Solid non-marking tires	305×100 mm (12×4") / solid 305×114 mm (12×4.5") / solid
Power		
Drive×Steer	2 WD×2 WS	2 WD×2 WS
Power Source (V/kW)	24V DC /2.2 kW	24 V DC, 2.2 kW
Hydraulic Tank Capacity	6L (1.3 gal (UK) /1.6 gal (US))	6 L (1.3 gal (UK)/1.6 gal (US))
Batteries	24 V,120 Ah (AGM batteries)	24 V, 120 Ah
Charger (Input/Output)	100 ~ 240 V AC/15 A	100 ~ 240 V AC/15A
Weight		
Weight	780 kg (1,720 lbs)	970 kg (2,138 lbs)
Standards Compliance	CE/ANSI/CSA	CE/ANSI/CSA

