

VERTICAL MAST LIFTS

VM04E (VM120E)

Compliant with AS 1418 · 10 standards



PRODUCT HIGHLIGHTS

Efficient Construction

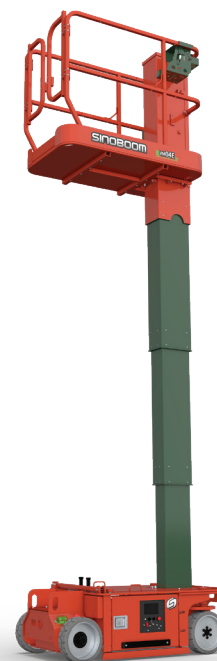
- Front wheel drive offers a small turning radius and anti-slip features
- Saloon style entry gate for ease of entry onto the platform

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	Telematic ready
Non-marking tires	Proportional control	Battery isolator
Emergency stop	Forklift pockets and lifting points	Secondary guarding system
Flashing beacon	Automatic pothole protection	White noise alarm
Zero inside turning radius	Weight management system	Proportional control
Drivable at full height	Fault diagnosis system	Manual storage box
Options & Accessories		
Wheel nut indicators	Mine spec	Telematic device
Fire extinguisher/Bracket	AC power to platform	Platform work light

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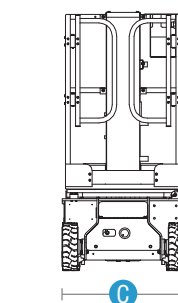
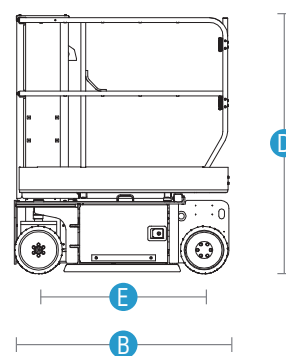
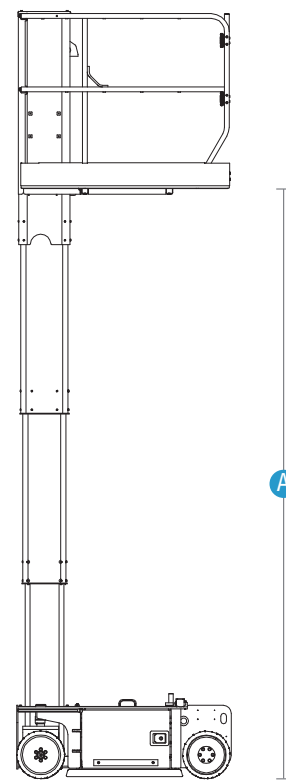
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VERTICAL MAST LIFTS

VM04E (VM120E) / VM05EL (VM160EL)

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Model	VM04E (VM120E)
Dimensions	
Max Working Height (Indoor/Outdoor)	5.8 m (19') (Indoor only)
A Max Platform Height (Indoor/Outdoor)	3.8 m (12'5.6") (Indoor only)
Max Horizontal Reach	-
B Length-Stowed	1.38 m (4'6.3")
C Overall Width	0.78 m (2'6.7")
D Height-stowed	1.66 m (5'5.4")
E Wheelbase	1.06 m (3'5.7")
Ground Clearance (Pothole Guard Stowed)	0.068 m (2.7")
Ground Clearance (Pothole Guard Deployed)	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")
Performance	
Platform Capacity	227 kg (500 lbs)
Platform Allowable Occupants	2 Persons (Indoor only)
Drive Speed (Stowed)	4 km/ h (2.5 mph)
Drive-Speed (Raised)	0.5 km/ h (0.3 mph)
Lift Time (Rated Load)	15~20 s
Lower Time (Rated Load)	20~25 s
Gradeability	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 Spec/Type	305×114 mm (12×4.5") front tires 305×100 mm (12×4") rear tires Solid non-marking tires
Power	
Drive×Steer	2 WD×2 WS
Power Source (V/kW)	24V DC /2.2 kW
Hydraulic Tank Capacity	6 L (1.3 gal (UK)/1.6 gal (US))
Batteries	24 V,120 Ah (AGM batteries)
Charger (Input/Output)	100 ~ 240 V AC/15 A
Weight	
Weight	780 kg (1,720 lbs)
Standards Compliance	AS 1418 · 10



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