

## 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 x 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

|           |  |  |
|-----------|--|--|
| Tool tray |  |  |
|-----------|--|--|



**HONEST, RELIABLE & REACTIVE**  
SOLUTIONS FOR WORKING AT HEIGHT



### CONTACT US

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| Model  | VM05EL (VM160EL)   |
|--|--|
| <b>Dimensions</b>                                      |  |
| 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")                       |
| <b>Performance</b>                                     |  |
| 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<br>305×114 mm (12×4.5") / solid |
| <b>Power</b>   |  |
| 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   |
| <b>Weight</b>  |  |
| Weight (Indoor)  | 970 kg (2,138 lbs)   |
| Standards Compliance                                   | CE/ANSI/CSA  |

