

# INCLINATOR® VL WHEELCHAIR LIFT

*The industry's best-performing indoor/outdoor vertical lift*



**INCLINATOR**  
COMPANY OF AMERICA

# INCLINATOR® VL

Inclinator's VL is the workhorse in the industry. At first glance, it's very similar to other wheelchair lifts. But take into account Inclinator's reputation for having the most reliable products and best technical and customer support, plus a 2-year parts warranty, and you've got the best value for a steel vertical wheelchair lift.

## Key Advantages

- Guiding system uses our monorail "C" channel with trolley and safeties
- Tower support is a unique steel ladder for strength and rigidity
- ACME screw drive lifting mechanism is secured at the top with a high quality, self-centering bearing which also supports the drive pulley
- Motor, pulleys, broken belt safety switches and controller are located at the top to make servicing easier
- Access is gained through a removable access panel located toward the top of the tower front panel
- Side plates house the dual broken screw safety (unique to lifts of this type)  
Failure of the screw, nut or other part of the lifting mechanism, which should cause a decrease in tension on sensing plate, will engage the safety dogs which hold the platform, and disconnect power to the motor.
- Removable tower base legs  
Tower is approximately 40" wide with the legs in place. When removed, the tower is only 24" wide, allowing the unit to pass through a normal doorway.
- In addition to strut supports, eight-, ten-, and twelve-foot units have brackets for attaching the tower to a structure
- Optional outdoor package available

## Key Features

- Adaptable for indoor and outdoor usage
- Easy installation and service
- Emergency stop, alarm and keyswitch
- 750 lb. capacity
- Standard 12 sq. ft. platform (15 and 18 sq. ft. optional)
- Up to 3 stops and 12 ft. of travel
- Powder-coated steel or optional aluminum is used to enclose the tower assembly
- Screw support (to reduce screw oscillation) is provided on units with longer travels
- Heavy-duty carbon steel ramp with powder coating optional
- DC battery drive option available







Three V-belts transmit power from motor to ACME screw.

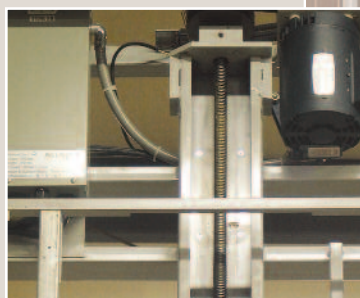
Hex-end drive screw allows for manual raise and lowering. Socket wrench supplied with lift.

Broken belt switch offers peace of mind – stopping the lift if a drive belt breaks.



Dual safety dogs secure platform to guiding rails should lifting mechanism fail.

High strength brass drive nut tucked inside provides superior chemical and wear resistance, preventing rust and noise.



Located at the top of tower, the 120 VAC instant reverse motor is easy to access and safe from flooding.

Spherical roller bearing provides a long lasting ACME screw drive.

CSA approved electrical controller.



Conveniently located, the illuminated emergency stop button puts the passenger in control. Easy-access manual lowering device and stainless steel grab rail provides added passenger safety.



Self-locking Acme screw offers added safety. Eliminates the need for a machine brake.



Optional enclosure roof and temperature-controlled ventilation system with emergency back-up power supply.

Tower frame is constructed with ASTM A500 Grade B steel tubing.



Enclosure full height doors are flush mounted using GAL type "N" locks.



Powder coated aluminum enclosure frame provides long-lasting durability.

Clear or tinted acrylic panels offer optimum visibility.

Shown with optional outdoor package.

## SPECIFICATIONS

### STANDARD

- **Design:** Designed to meet or exceed the requirements of ANSI A18.1
- **Capacity:** 750 lbs.
- **Speed:** 10FPM
- **Motor – AC Model:** 1HP, 1725 RPM, 120 VAC, 60 HZ, single phase, instant reversing; requires minimum 20 AMP designated service
- **AC Drive Technology:** Standard AC motor technology; requires standby power generator system to comply with A18.2.1 code
- **Motor – DC Model:** 1HP, 1800 RPM, 24VDC; requires 15 AMP designated service
- **DC Drive Technology:** Superior 24 VDC technology operates off two specialized batteries supplying full time power for a minimum of 5 complete cycles to comply with A18.2.1.1 code
- **Drive:** ACME screw with self-centering driven pulley, three V-Belts with broken belt safety switch; manual raise and lowering
- **Guiding Means:** Monorail “C” channel with captivated trolley and safeties for use during power failure
- **Finish:** Beige colored, baked-on powder coat wrinkle finish
- **Dual Safety Dogs:** Secures the platform to the guiding rails if there should be a failure of the lifting mechanism
- **Limit Switch:** Up and down limit switches with a final limit to disconnect main power in the event of an overrun
- **Control:** Up/down paddle switch on platform and at landings; keyswitch, alarm, and emergency stop switch on units for public installations standard

- **Tower:** 20-gauge steel with weather resistant coating; removable base legs make handling and installation easier; upper service panel removable for quick access to motor and controller
- **Platform:** 12 sq. ft. (15 and 18 sq. ft. optional); 42" high sides; handrail on each long side; platform floor and ramp have non-skid surfaces
- **Shipping:** Unit is shipped broken down for quick and easy assembly

### OPTIONAL

- **Stops:** Up to 3 stops available
- **Platform Gate:** 42" high with interlock
- **Platform Safety Diaphragm:** Suspended from bottom of platform; stops downward motion of the unit if an obstruction is encountered
- **Landing Gate:** 42" high with interlock
- **Stationary Ramp:** To be used at the lower landing if no pit is provided
- **Enclosure:** Aluminum-framed structure with bronze or clear acrylic panels; enclosure available for in-line and pass-through designs only
- **Ninety Degree Opening:** Configurations with adjacent openings require 42" x 60" platform; not available with enclosure
- **Controller:** Wired for GAL or electric strikes





*You can be confident in choosing an Inclinator product*



### HOME ELEVATORS

- The industry's most customizable home elevator
- Two lines: Elevette® machine room and Inclinator® machine roomless



### WHEELCHAIR LIFTS

- Indoor and outdoor use
- Inclinator® VL



### DUMBWAITERS

- Custom sizes and features
- Two lines: Dumbwaiter (commercial use) and Homewaiter® (residential use)

Consult your local building authorities for specific regulations on these products before purchasing. Specifications, material finishes and product options are subject to change without notice.



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