

INCLINATOR® WHEELCHAIR LIFTS

The industry's best-performing indoor/outdoor vertical lifts



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)

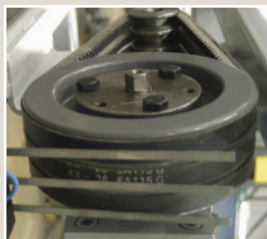
Failure of the screw, nut or other part of the lifting mechanism, which should cause a decrease in tension on sensing plate, will engage the safety dogs which hold the platform, and disconnect power to the motor.

- 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.

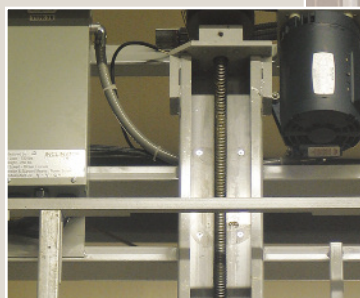
Hex-end drive screw allows for manual raise and lowering. Socket wrench supplied with lift.

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.



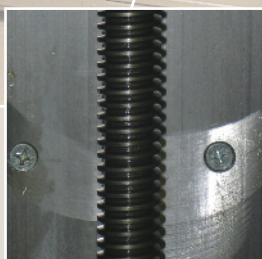
Located at the top of tower, the 120 VAC instant reverse motor is easy to access and safe from flooding.

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.

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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

SpectraLift®

After reading SpectraLift's features and advantages, you'll clearly see why it's the best in the industry. Nobody even comes close. Add Inclinator's reputation for having the most reliable products and best technical and customer support. If you're still not convinced, take a look at the 3-year parts warranty. And, with a price that's every bit worth everything you get (more than anyone else can offer), SpectraLift comes out the winner any way you look at it.

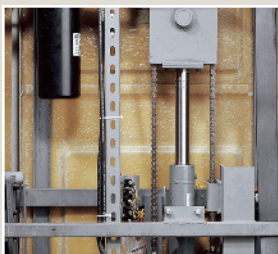
KEY FEATURES & ADVANTAGES

- Fiberglass construction prevents rust and corrosion – exterior can stand up to most inclement weather conditions
- All electrical components and connections are completely waterproof with CSA listed electrical controller
- Fiberglass exterior features soft curves and recesses with fewer seam lines than traditional units
- Platform sides and floor are a single molded unit, reducing operational noise – locks line up and engage every time
- Front fiberglass tower panel removes for easy service access
- Emergency stop button, alarm and manual lowering device standard
- Meets or exceeds requirements of ANSI A18.1



SPECIFICATIONS

- **Dimensions:**
 - Tower: 11" x 43" x 81"
 - Platform: 36" x 51" x 42" (12 sq. ft.)
 - Toe Guard: 50" x 58" x 61"
 - Total Footprint: 59" D x 58" W
- **Platform, Tower & Ramp:** Rust-free, fiberglass, non-skid surface
- **Internal Components:** Steel with anti-rust primer
- **Capacity:** 750 pounds
- **Lift:** Up to 54 inches
- **Motor:** 24 VDC
- **Power:** Two 12 volt, 33AH sealed maintenance-free batteries, in series and charged with automatic 115 VAC powered, 24 VDC 10 Amp battery charger, with automatic charger switches that charge rates to maintain full service capacity
- **Drive:** Two 7500 lb. tensile strength leaf chains, single stage constant displacement sealed hydraulic cylinder 1 GPM, and a 1250 PSI pump, providing a lift speed of 18 feet per minute
- **Control Switches:** 24 VDC up-down switches with constant pressure and key operation
- **Safety Devices:** Slack chain safety device stops unit in the down direction in the event that the leaf chain becomes slack
- **Manual Operation:** Operational in down direction
- **Ramp:** 44 inches, non-skid, stationary, aluminum diamond plate
- **Pit:** 62" x 58-1/8" x 3-3/4" deep
- **Hand Rail:** One ADA-compliant, stainless steel grab bar mounted on platform



Front fiberglass tower panel removes for easy service access to all mechanical and electrical components.



Platform ends are reinforced with 2" x 1-1/2" x .120" steel tubing, "glassed" into the platform.

Gates are equipped with heavy-duty zinc plated steel spring hinges and interlocking mechanical locks with electrical contacts.



All exterior panels are constructed of heavy-duty gel-coated fiberglass for weatherproof, rustproof, long-lasting durability.



Illuminated emergency stop button and alarm, easy-access manual lowering device, stainless steel grab rail for added passenger safety.

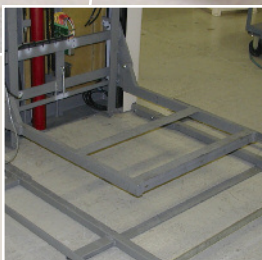
Stainless steel gate locking mechanism features mechanical locks with electrical contacts.

Platform sides and floor are a single molded fiberglass unit minimizing operational noise and ensuring that locks line up and engage every time.

Enclosure meets ASME A18.1 section 2.1.2.



Aluminum diamond plated stationary ramp available when unit is not being installed in a 3-3/4" deep pit.



Carriage frame is constructed of 1/2" thick steel plate and bar. Carriage arms are fabricated from 1" thick steel plate with a minimum depth of 2".

Carriage forks can be folded to reduce shroud depths. Enclosure can be easily disassembled for installation, if necessary.



You can be confident in choosing an Inclinator product



HOME ELEVATORS

- The industry's most customizable home elevator
- Two lines: LX and ELEVETTE®



WHEELCHAIR LIFTS

- Indoor and outdoor use
- Two lines: SpectraLift® (fiberglass) and VL (steel)



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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