

Inclined Platform Lift

Pegasus



National Wheel-O-Vator ... when you need a lift..

Inclined Platform Lift

The Pegasus

The National Wheel-O-Vator Co., Inc. is an established manufacturer of quality accessibility products, with customer service as our number one priority. Our inclined platform lift, the Pegasus, provides you with the ability to ascend or descend any staircase with ease. It is uniquely designed to escalate around your accessibility problems, accomplishing what most would view as an impossible goal. No matter what the application - indoor, outdoor, straight or curved stairways - *the Pegasus is the answer.*



By utilizing the buttons on the hall station, the Pegasus CD will unfold. The safety barrier arm goes up to the vertical position and the access ramp folds down to allow the user to enter the lift.

Our 32"x 48" platform is the largest in the industry. The larger platform size allows access to a great variety of wheelchairs. In spite of its spacious dimensions, the unit protrudes less than 12 1/2" from the wall when folded.



Our inclined platform lift is available with an optional side loading ramp. This option is designed to provide the user with easier access to the platform from the side, thus reducing the amount of bottom landing space required to enter or exit the platform.

Standard Color - Grey White - Rail, Drive and Carriage

Standard Cover Colors



Slate Grey



Turquoise Green

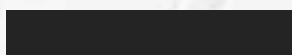


Traffic Blue



Orient Red

Optional Cover Colors



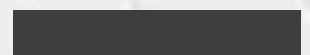
Graphite Black



Mahogany Brown



Ultramarine Blue



Claret Violet

* Note: Colors may vary due to printing process.

The carriage pendent controls the movement of the vehicle up and down a staircase, with an optional intermediate landing button.



Upon reaching the preferred level, the Pegasus raises the safety barrier arm to a vertical position and the access ramp lowers to allow the user to exit the lift.



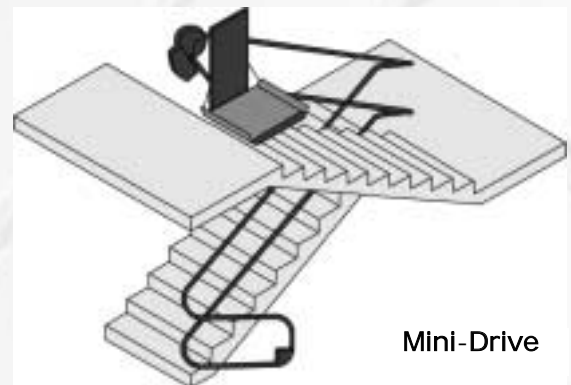
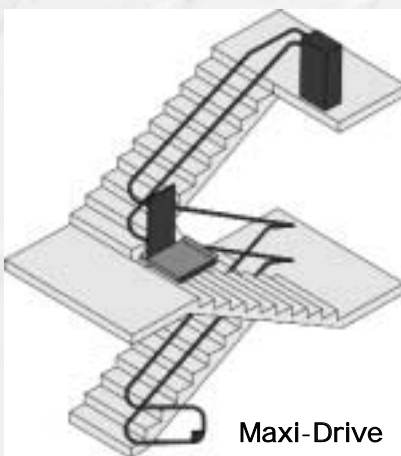
Safety Devices

- Pressure sensitive features stop the unit upon encountering an obstruction.
- Overspeed safety.
- Safety barrier arms.
- Ramps fold to safety position.
- Emergency stop.

Options

- Manual folding platform and barrier arms - Model LX.
- Folding seat.
- Platform lock.
- Stainless steel or galvanized rails for outdoor applications.
- Integrated handrail.

The Pegasus is equipped with either a mini-drive or maxi-drive depending on the application. Our unique “maxi-drive” system is designed to traverse a distance of 200 feet, depending on the stairway configuration. For typical installations that require less than 40 feet of travel, we provide our “mini-drive”.



Traveling at a speed of 29 feet per minute, each drive system has a capacity of 525 lbs. With the capabilities of negotiating curved and straight stairways, the Pegasus can overcome any architectural barrier.

In addition to providing top of the line inclined platform lifts, National Wheel-O-Vator offers a complete line of stairway chairlifts, vertical platform lifts, residential and LU/LA elevators.

PEGASUS INCLINED PLATFORM LIFT GUIDE SPECIFICATIONS

Inclined platform lifts are installed in both new and existing construction. Due to the wide variety of applications and options, specifications vary from job to job. Below is a general guide specification containing performance and descriptive requirements which apply to a variety of standard and custom products. Edit this section to include only requirements applicable to your project. National Wheel-O-Vator can supply more detailed specifications. Please contact us for assistance.

PART 1 - GENERAL

1.01 REFERENCES

Unit shall be designed and manufactured in accordance with ANSI/ASME A18.1, NEC (NFPA 70), and ICC/ANSI A117.1. All designs, clearances, construction, workmanship and installation shall be in accordance with the requirements and code adopted by the authority having jurisdiction. The inclined platform lift may be subject to local, city and state approval prior to and following installation. Refer to local jurisdiction for variance applying to independent operation of lift.

1.02 SYSTEM DESCRIPTION

- A. The product described herein, produced by The National Wheel-O-Vator Co., Inc., is an inclined platform lift consisting of a tube railway with a cable, ball and sprocket drive transporting a lifting platform with folding safety arms and platform, up and down stairways. It is designed and dimensioned to provide adequate lifting to suit individual requirements and can be used indoors or outdoors, to transport a wheelchair user or mobility impaired person up and over a stairway or similar barrier creating access to or within a building. The lift can be mounted on either side of the stairway, and make inside, outside or compound curves. The lift shall park away from the stairway allowing full access to the stairway without obstructing normal traffic.
- B. Performance
 - 1. Rated Load: 240Kg (525 pound capacity).
 - 2. Travel Speed: 0 to 0.15 m/s (29 feet per minute).
 - 3. Travel Distance: _____ (60 meters or 200 feet Max depending on configuration).

1.03 QUALITY ASSURANCE

- A. Manufacturer: Company with not less than fifteen (15) years of experience in the design, fabrication and production of accessibility equipment.
- B. Subcontractor Qualifications: A company that is listed as an authorized National Wheel-O-Vator Dealer.
- C. Electrical control system shall be classified by Underwriters Laboratories, as to Elevator Control Panels.

1.04 WARRANTY

Unit shall have a two (2) year limited parts warranty.

PART 2 - PRODUCT

2.01 MANUFACTURER

The unit shall be The National Wheel-O-Vator Co., Inc., Pegasus Model CD, which includes power platform folding and power safety barrier arm folding, as distributed By _____.

2.02 SAFETY EQUIPMENT

- A. Final limit switch.
- B. Overspeed safety.
- C. 24 V low voltage controls and grounded electrical system.
- D. Two 42 inch high wraparound safety barrier arms with power fold.
- E. Key-locked constant pressure control switches.
- F. Pressure sensitive obstruction sensors under platform, on ramps and conveyance sides.
- G. Emergency stop and illuminated alarm.

2.03 FABRICATION

- A. Drive System: Solid State Microprocessor Variable Voltage Variable Frequency controlled 1 hp minimum motor provides slow spooling up and down of the motor with full power available from 0 to 0.15 m/s (29 ft/min.). Motor powers a self-locking 1:36 ratio worm gear with a six tooth sprocket engaging a minimum of three ball segments.
- B. Car Main Frame: 4mm (5/32") sheet steel formed uni-body main frame.
- C. Guide Rails: Two 50mm (2") O.D. steel tubes, 3mm (1/8") wall thickness.
- D. Platform Carriage: 20mm (13/16") steel sub frame structure.
- E. Side Guards: 2mm (5/64") panel, 150mm (6") high, hinge mounted.
- F. Front Panels: 2mm (5/64") sheet steel.
- G. Platform Floor: 5mm (3/16") Aluminum deck plate, non-skid surface, 815mm x 1220mm (32" x 48") clear with power fold.
- H. Folded Car Dim.: When folded, the platform shall not protrude more than 320mm (12.5") from the wall (with std. platform and direct wall mount).
- I. Finish: Electrostatically applied powder coat, suitable for indoor or outdoor use.
- J. Main Control Box: Single phase 230VAC 60Hz or 208VAC 60 Hz installed near incline platform lift drive unit.
- K. Hour Meter: Accurately totals accumulated time of usage for service requirements.
- L. Drive Cable: 7mm (9/32") multi-strand pre-stretched galvanized aircraft cable equipped with ball-segments at 112mm (4 13/32") intervals. Effective break load 52.8 kN (11,900lbs), strength 1770 Nm (1,300ft-lbs), minimum safety factor of 12.
- M. Support Cable: 7mm (9/32") multi-strand pre-stretched galvanized aircraft cable equipped with cone-segments close mounted to serve as insulators and integral part of safety device.
- N. Platform Seat: Folding seat for non-wheelchair confined, semi-ambulatory occupants.

2.04 OPTIONS

- A. Outdoor Material: Stainless steel material and cold spray galvanized coatings are used as necessary to retard deterioration. Some items also electrostatically coated.
- B. Additional Stops: Can have up to seven stops total (including parking stops).
- C. Integrated Handrail: Meets code requirements where original stairway hand rail was removed.
- D. Platform Lock: Locks platform in folded position, prevents vandalism damage to platform and controls.
- E. Lower safety: Lower safety limit switch where horizontal run is needed for parking at bottom landing.
- F. 90 deg. Side Loading Platform: Side loading platform at the bottom landing.

* Note: Specifications are subject to change.

The National Wheel-O-Vator Co., Inc.

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Your Authorized Dealer Is: