

# Inclined Platform Lift

## *Pegasus*



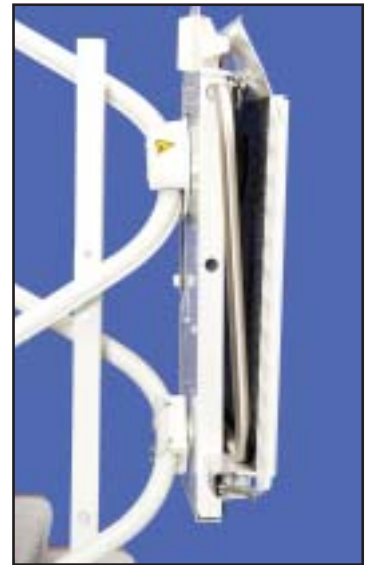
## *Pegasus Inclined Platform Lift*

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.*



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.



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.



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



By simply holding the call button on the hall station, the Pegasus Model CD will arrive at your landing and 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.

**Safety Devices**

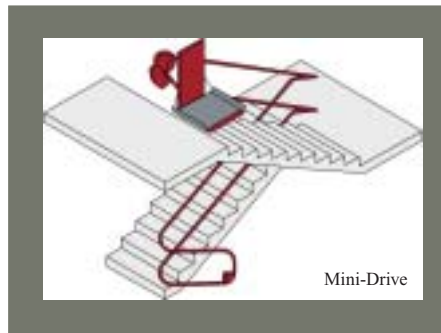
- Pressure sensitive features stop the unit upon encountering an obstruction.
- Over speed safety.
- Safety barrier arms.
- Ramps fold to safety position.
- Emergency stop.

**Options**

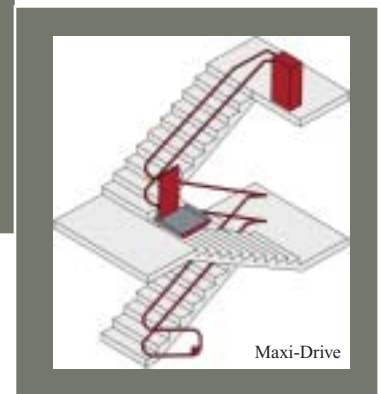
- Manual folding platform and barrier arms - Model LX.
- Folding seat.
- Platform lock.
- Stainless steel or galvanized rails for outdoor applications.
- Integrated handrail.



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.



Standard Color - Gray White - Rail, Drive and Carriage

**Standard Cover Colors**



Slate Gray



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.



# ***Inclined Platform Lift - Guide Specifications***

Inclined Platform Lifts are installed in both new and existing constructions. Below is a general guide specification containing performance and descriptive requirements which apply to a variety of standard and custom National Wheel-O-Vator products.

## **PART 1 - GENERAL**

### 1.1 REFERENCES

A. The lift shall be designed and tested in accordance with ICC/ANSI A117.1, NEC and ASME A18.1.

B. 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.

### 1.2 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, designed and dimensioned to provide adequate lifting to suit individual stairway or barrier requirements. The lift can be used indoors or outdoors to transport a wheelchair user or mobility impaired person up and over a barrier, creating access to or within a building.

B. Performance:

1. Rated Load: 240 Kg (525 pound capacity)
2. Travel Speed: Variable up to .15 m/s (29 fpm)
3. Travel Distance: \_\_\_\_\_

### 1.03 QUALITY ASSURANCE

A. Manufacturer: A company with not less than fifteen (15) years of experience in the design, fabrication and production of accessibility equipment.

B. Technical Services: Manufacturer, distributor and authorized dealer shall work with architects, engineers and contractors to adapt the inclined platform lift product to the design and structural requirements of the building, site and code requirements.

## **PART 2 - PRODUCT**

### 2.0 MANUFACTURER

A. The unit shall be manufactured by National Wheel-O-Vator, as distributed by \_\_\_\_\_

### 2.03 FABRICATION

A. Car Main Frame: 4mm formed steel uni-body.

B. Guide Rails: Two 50mm (2") O.D. steel tubes.

C. Front Panels: 2mm sheet steel.

D. Platform Floor: Non-skid rubber surface, 815mm x 1220mm (32" x 48").

E. Finish: Electro statically applied powder coat, suitable for indoor or outdoor use.

F. Color Selection: Color shall be selected from manufacturers standard color or optional colors.

G. Main Control Box: Sgl phase 230VAC 60Hz (208VAC 60 Hz. opt)

H. Control Power: 24 Volts AC.

I. Drive Unit: VVVF inverter with full motor power available from 0 to .15m/s (0 to 29 ft. per minute).

J. Hour Meter: Accurately totals accumulated time of usage for service requirements.

K. Drive Mechanism: Gear type 1:36 ratio worm gear, six tooth sprocket engaging a minimum of three ball segments.

L. Drive Cable: 7mm aircraft cable.

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see us at  
**Sweets**.com

M. Safety Limit: A final limit switch is provided to remove all power and stop upward travel of the platform in the event of a position sensor error.

N. Call Switches: Constant pressure control switches.

O. Over Speed Safety: Mechanical locking and electrical shut off device.

P. Safety Barrier: Two stainless steel barrier arms.

Q. Ramp Safety: Ramps are sensitive to pressure and will stop car if an obstruction is encountered.

S. Obstruction Safety: Pressure sensitive pan under platform stops downward travel when contacting any obstruction.

T. Car Frame Safety: Pressure sensitive edges of car frame stop travel when contacting an obstruction.

U. Vandal Guard: Protects controls on car from unauthorized access or vandalism damage when car is in folded up configuration.

V. Alarms: When the emergency stop switch is activated, an audible and illuminated signal is generated.

W. Hand Safety: A safety handrail is provided on the platform.

X. Power Folding: Power platform folding mechanism for remote power folding of platform and safety barrier arms from any call station switch.

Y. Power Arms: Occupant has power controls to move barrier arms down into safe travel position or to permit occupant to exit platform.

Z. Platform Seat: Folding seat.

AA. Parking: Inclined platform lift shall be configured to park clear of stairway.

BB. Manual Lowering Hand-Wheel: Provided with each lift.

## **PART 3 - EXECUTION**

### 3.1 ACCEPTABLE INSTALLERS

A. Subcontractor Qualifications: A company that is listed as an authorized National Wheel-O-Vator dealer.

B. Electrical devices, services and final connections shall be by a qualified electrician.

### 3.2 INSTALLATION

A. Unit shall be installed and operated in accordance with the ICC/ANSI A117.1, NEC, and ASME A18.1 guidelines.

B. A dedicated electrical circuit with a lockable service disconnect shall be supplied by the electrical contractor.

C. Coordinate work with general contractor.

D. Leave standard electrical connection drawings with electrical contractor to make final electrical connection.

E. The installation of the inclined platform lift shall be made in accordance with the approved plans and specifications and the manufacturers installation instructions.

### 3.3 FIELD QUALITY CONTROL

A. Load the inclined vertical lift to rated capacity and test for several cycles to insure proper operation. No mechanical failures shall occur and no wear that would affect the reliability of the unit shall be detected.

\* Note: Specifications are subject to change.

*Your Authorized Dealer is:*