

Ascension Portable Wheelchair Lift For Reliable Access to Stages and Platforms Discover Its Versatility!



ASCENSION  [®]
A DIVISION OF AGM

www.wheelchairlift.com

THERE IS ABSOLUTELY NO COMPARISON!

The Ascension Portable Wheelchair Lift is the Safest, Quietest, Most Attractive, Most Durable and Easiest-to-Use Lift You Can Buy.

The Ascension portable wheelchair lift provides access to stages, platforms and risers for individuals with disabilities. The lift is a completely self-contained, compact unit requiring no additional components. The portability feature makes it possible for public facilities to save on the cost of installing multiple fixed lifts or ramps (to say nothing of the floor space taken up by ramps!) since one Ascension lift can serve multiple locations.

The Ascension portable wheelchair lift also provides for independent use by individuals with disabilities, as required by the American with Disabilities Act (ADA).

Two models are available: the Ascension SLA-2050ED and the Ascension SLA-2050ESD. The Ascension SLA-2050ED sets up perpendicular to a stage or platform. The Ascension SLA-2050ESD side opening model sets up parallel to a stage or platform, saving additional floor space, and only requires 4-1/2' of clearance in front of a stage- ideal for auditoriums or other venues with limited space between the stage and seating area. (See photo below.)

The Ascension portable wheelchair lift has a proven track record of reliability. Both models are covered by a standard 10-year drive train warranty and designed to meet all applicable requirements of the ADA. There is no installation; the lift plugs into a standard 120-volt wall outlet and is ready for use. No building alterations or site preparations are required.



WHERE CAN THE LIFT BE USED?

The Ascension portable wheelchair lift is ideal for schools, colleges and universities, convention centers, auditoriums, arenas, churches, hotels, conference centers, recreational facilities, courtrooms, senior activity centers — any public facility where temporary access to stages or platforms may be required.



**MEETS ALL APPLICABLE
ADA REQUIREMENTS**

The side gate on the Ascension SLA-2050ESD opens to the right when standing at the front, or ramp end, of the car. A custom version of the lift with a side gate that opens to the left is also available.



History of Ascension

AGM Container Controls, Inc. has been in the container hardware business since 1970. With the enactment of the ADA in 1990, AGM realized there was an opportunity to provide improved access to stages and platforms for individuals with disabilities. Accordingly, AGM began producing portable wheelchair lifts in 1992, and created the Ascension Product Division in 1995. Over the years, as schools, convention centers and other facilities have come to appreciate the Ascension lift's reliability and ease of use, demand has increased to where some customers have purchased as many as 20 lifts. New features, such as the side opening model, longer car and disassembly/reassembly, have continuously improved the versatility of the Ascension portable wheelchair lift.

SUPERIOR PERFORMANCE

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The Ascension Portable Wheelchair Lift has become the lift of choice for many prestigious and prominent public facilities across the country.



James Monroe High School – New York City Board of Education – Bronx, New York

The Ascension Portable Wheelchair Lift can be used while an event is in progress. The lift provides an attractive, unobtrusive appearance and its quiet operation will not interrupt a performance.



The Ascension lift makes it easy for individuals with disabilities to participate in stage or platform-related activities, such as graduation exercises or musical performances. The lift provides a smooth ride and will not draw unnecessary attention to passengers.



Transparent side walls and gates are made of high-impact strength thermoplastic, making the Ascension lift unobtrusive to audiences. The passenger has a clear view of the surroundings.



The Ascension lift can be used with an attendant or service dog.



The larger car accommodates individuals in scooters and oversized wheelchairs.



The quiet electro-hydraulic mechanism easily lifts 750 pounds, with a 600% structural safety factor.

SET-UP AND OPERATION

The Ascension Portable Wheelchair Lift sets up in minutes. No installation is required! Use the lift when and where you need it, then simply store it away.



EASY TO MOVE - The lift can be moved by one person and rolls easily on its own built-in casters. It requires a storage space of only 47" x 66".



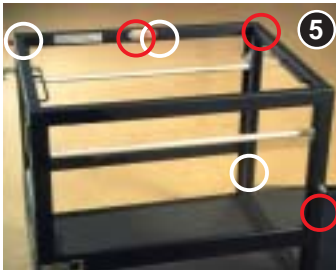
FAST SET-UP - Using a 3/8" ratchet wrench, the wheels are easily retracted into the base, providing a stable platform for operation.



The self-contained **FOLDING RAMP** is quickly lowered into position for use. The ramp is ADA compliant with a 1:12 slope.



PLUG IN ANYWHERE - The lift operates on conventional 120-volt power, draws only 9 amps and plugs into any standard outlet.



MULTIPLE CONTROLS - One is inside the car for passenger operation; the others are at the stage and ramp ends for attendant operation. (SLA-2050ED controls are in white; SLA-2050ESD in red.)



THREE-POSITION KEY SWITCH for "Passenger" or "Attendant" operation. In the "Off" mode, with the key removed, the lift is completely inoperative, preventing unauthorized use.



STAGE SENSOR DEVICE automatically stops the car at any stage height up to 50". No pre-setting is required.



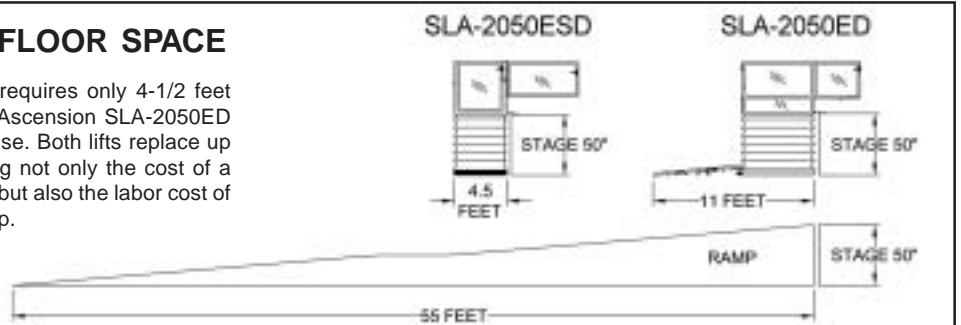
As the stage gate opens, a hinged **DOCK PLATE** automatically lowers into position, spanning the gap between the car and stage.



EASY TO TRANSPORT OVER LONG DISTANCES - The lift can be transported by forklift, truck or trailer to multiple locations.

SAVES VALUABLE FLOOR SPACE

The Ascension SLA-2050ESD requires only 4-1/2 feet of linear space in use and the Ascension SLA-2050ED only 11 feet of linear space in use. Both lifts replace up to 55 feet of linear ramp, saving not only the cost of a ramp and the space it takes up, but also the labor cost of installing and removing the ramp.



OPTIONAL FEATURES

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The Ascension Portable Wheelchair Lift can be customized to accommodate the unique characteristics of your facility.

- Ascension stairbridge for access over stairs (adjustable version also available for different stage heights)
- Hand-held operating station
- Custom version of Ascension SLA-2050ESD with side gate that opens to the left
- Elongated toggle switch (wrist-activated)
- 220/240 volt operation (for International customers)
- Extended warranty plan
- Smoky or opaque side and door panels
- Custom colors
- Elongated car
- Lift cover
- Custom ramp
- Universal key operation
- Keyless operation



Custom colors



Ascension stairbridge



Lift cover



Hand-held operating station

The Ascension Portable Wheelchair Lift can be relocated through a 36" doorway with the disassembly/reassembly feature.



1 The lift is disassembled into six components, starting with the ramp.



2 Next, the two gates are removed.



3 Then the two side walls are removed.



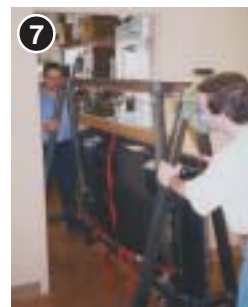
4 Disassembly is now complete (shown for Ascension SLA-2050ED model).



5 The base is easily raised onto the base relocator hoist.



6 The base is firmly secured in place and ready for relocation.



7 After moving through the doorway, the lift is ready for reassembly.

IMPORTANT: The Ascension portable wheelchair lift *ONLY* needs to be disassembled if relocation through a 36" doorway is required.

BASE RELOCATOR HOIST

The base relocator hoist, available from Ascension, makes it easy to move the base through 36" doorways.

CAUTION: For safety considerations and to avoid possible damage to the lift, the hoist must be used for this operation. Failure to use the hoist will invalidate the warranty for the Ascension portable wheelchair lift.

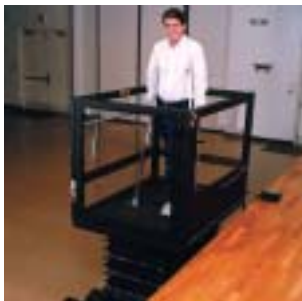
SAFETY DEVICES AND WARRANTY

The Ascension Portable Wheelchair Lift employs multiple safety devices for the protection of the passenger and public, specifically designed to accommodate the portability of the lift.

- Ground fault circuit interrupter (GFCI) shuts off power in case of partial or complete short circuit or current overload.
- Gates will not open if the lift is not at floor or stage level.
- Car will not move if either gate is open.
- All controls are on a 12-volt circuit.
- Energy efficient- draws only 9 amps when ascending, less than 1 amp during descent.
- Battery backup can lower the lift in the event of an emergency.
- Non-skid surfaces on the car floor, ramp and dock plate.
- Lift will not operate if the ramp is not lowered or the lift is not completely off its wheels.
- Self-closing gates for added protection.
- Toe-guard stops the car's downward travel instantly if it touches any object. The toe guard is suspended around the entire perimeter of the car for complete protection.
- All four sides of the car are 42" high, making the lift safe for persons using crutches or walkers.
- A durable safety skirting completely encloses the operating components.



Toe-guard



42" high sides



Safety skirting

The Ascension Portable Wheelchair Lift comes with a 10-year drive train warranty- a breakthrough in the accessibility market.

The Ascension lift is rugged, durable enough for a variety of applications, whether for multiple uses within a particular building (e.g., a convention center) or for relocation throughout an entire area (e.g., a school district).

The Ascension lift is also virtually maintenance free. An easy-to-follow routine maintenance schedule is provided with every lift. No special training is required. Every lift also comes with a complete Operating Manual and a Set-Up and Operations Video.

WARRANTY

Ascension warrants that the Ascension SLA-2050ED and Ascension SLA-2050ESD portable wheelchair lifts will be free of defects in material or workmanship from the date of shipment as follows: ten (10) years for the drive train components (pump, motor, and hydraulic cylinders) and two (2) years for all other parts. Parts reported defective to Ascension within the warranty periods will be replaced at no charge. Ascension will also pay the labor costs required to replace defective parts if such defects exist and are reported within one (1) year after the date of shipment.

ASCENSION PORTABLE WHEELCHAIR LIFT SPECIFICATIONS

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Patent No. 6,182,798

Ascension
SPECIFICATIONS

PART 1 - GENERAL

1.1 Description of Product

The product described herein, manufactured by ASCENSION, Tucson, AZ, is a portable lifting device intended for the exclusive use of individuals with disabilities. The unit shall be used only by individuals who are unable to negotiate stairs. The unit shall be self contained, requiring no additional components or modifications of the using facility. The unit shall consist of a car supported on an electro-hydraulic lifting mechanism that is attached to a wheeled undercarriage. The unit shall provide for independent use by individuals with disabilities and include a folding access ramp and all applicable operating and safety devices for compliance with ADA requirements. The wheeled undercarriage shall permit easy movement of the unoccupied unit over hard, level surfaces. With the wheels retracted, the unit shall rest firmly on any hard, level surface, and provide a stable base for operation of the lift. The unit shall provide adequate lifting force to raise the car and occupant to a height suitable for access to most stages, platforms, or similar elevated surfaces.

PART 2 - PRODUCT

2.1 Manufacturer

The unit shall be the Ascension Model SLA-2050ED or the Ascension Model SLA-2050ESD (side opening model) Portable Wheelchair Lift, manufactured by ASCENSION, 3526 E Ft Lowell Rd, Tucson, AZ, 85716, TEL: 800-459-0400 or 520-881-3993, FAX: 520-881-4983, E-MAIL: sales@wheelchairlift.com.

2.2 Physical Characteristics

- A. Occupancy capacity: one (1) person.
- B. Lifting capacity: 750 pounds [341 kg].
- C. Unit weight: 1200 pounds maximum [544 kg].
- D. Vertical speed: seven (7) fpm (feet per minute) [2.1 m/min (meters per minute)].
- E. Vertical travel: 6" to 50" [178 mm to 1270 mm], infinitely adjustable. (NOTE: For the Ascension SLA-2050ESD model only, the side gate opens to the right when standing at the front, or ramp end, of the lift.)

2.3 Dimensions

- A. Platform area: 39" x 54" [991 mm x 1372 mm] with 42" [1067 mm] high gates and side panels.
- B. Space requirements, operational: 49" [1245 mm] high (in the down position), 50" [1270 mm] wide, 132" [3353 mm] long.
- C. Space requirements, storage and transport: 49" [1245 mm] high, 66" [1676 mm] long (ramp folded), 47" [1194 mm] wide.
- D. Ramp when lowered: 44" [1118 mm] wide, 72" [1829 mm] long, with a 1:12 slope.

2.4 Materials

- A. The car, base frame, and lifting device shall be constructed from ASTM A36, AISI 1018, or AISI 1020 Steel.
- B. The ramp shall be constructed of aluminum alloy.
- C. The windows shall be fabricated from 1/4" [6.35 mm] thick high impact strength clear thermoplastic.

2.5 Finish

All metal components shall be thoroughly cleaned to remove any foreign substance. Exposed metal surfaces shall be finished with an oven baked powder coating.

2.6 Electrical Requirements

Electric power requirements shall be compatible with 120VAC, 60 hertz, single phase, 10 amp service. The unit shall be supplied with a three prong grounded electrical cord. The unit shall contain a Ground Fault Circuit Interrupter (GFCI). The hydraulic pump shall be directly coupled to a capacitor start 1/2 hp motor. Other than the motor, all control and operating circuits shall be serviced by a 12 VDC solid state linear power supply. Electrical components shall be UL listed and CSA registered. Electrical system shall be certified to ASME A17.5 1996 by an independent testing laboratory.

2.7 Safety Devices

The unit shall be constructed to meet the applicable requirements of ADAAG, ASME A17.1 1996 or older (PART XX, SECTION 2000), ASME A18.1 1999, and ANSI A117.1 as they would apply to a portable lifting device. The assembly shall include the following safety features for protection of the passenger and general public.

- A. Grounded electrical system.
- B. 12 VDC operating controls.
- C. Key lock control switch.
- D. Constant pressure operating switches.
- E. Emergency stop buttons at all control locations.
- F. Latching gates.
- G. Electro-mechanical interlocks to prevent accidental gate opening.
- H. Gate switches to prevent car movement if either gate is open.
- I. Upper limit switch.
- J. Stage sensor box to stop ascent and release stage gate interlock at stage elevation.
- K. Toe-guard to automatically stop car descent if contact occurs.
- L. 42" [1067 mm] high walls and gates.
- M. Unobstructed view through transparent sides and gates.
- N. Grab bar extending full length of inside wall.
- O. Slip resistant surfaces on car floor, ramp, and dock plate.
- P. Indicator light to show when car is level with stage.
- Q. 7:1 structural safety factor.
- R. Floor switch to prevent operation if lift is not completely off its wheels.
- S. Self-closing gates.

2.8 Portability

Retractable wheels shall be permanently attached to the undercarriage. The wheels shall be capable of being raised or lowered with common hand tools. When the wheels are lowered and the access ramp folded for storage, the unit shall roll easily over any hard, smooth, level surface. The unit shall be capable of being moved by forklift or truck.

2.9 Operating Characteristics

- A. The unit shall include a single three (3) position key switch. One key position shall be marked "PASSENGER", one marked "ATTENDANT", and one marked "OFF". The key shall be removable only in the "OFF" position. The key position marked "PASSENGER" shall activate constant pressure "UP/DOWN" switches, located outside of the car at both ends and inside the car for the passenger's convenience. The key position marked "ATTENDANT" shall deactivate the passenger "UP/DOWN" switch located inside the car.
- B. All three (3) switch positions shall be provided with a separate "PUSH TO STOP" emergency button. The emergency stop button shall lock when pushed and require manual reset before operation can resume.
- C. A stage sensor box shall be provided which automatically stops the car when it reaches stage level. Additionally, the stage sensor box shall automatically activate an electro-mechanical interlock preventing the stage gate from being opened when the car is not at stage level. An indicator light shall be provided inside the car to show when the car has stopped at the correct level.
- D. Opening the stage gate shall deploy a dock plate that will rest on the adjacent stage surface. The dock plate shall provide a smooth transition between the car and the stage. Closing the stage gate shall retract the dock plate.
- E. The ramp gate shall be provided with a mechanical interlock that prevents the gate from being opened whenever the car is more than 1" [25.4 mm] above the full down position.

2.10 Disassembly/Reassembly

The unit shall be capable of being disassembled and reassembled on site to facilitate relocation through a 36" wide doorway. (Requires the use of an additional apparatus; available from Ascension.)

PART 3 - EXECUTION

3.1 Installation

Set up unit for operation as described in manufacturer's operating manual.

3.2 Maintenance

Maintenance of the unit shall consist of regular cleaning as deemed necessary by the using activity. General inspection, maintenance, and lubrication shall be specified in the manufacturer's service manual.

3.3 Warranty

A ten (10) year drive train, two (2) year parts, one (1) year labor limited warranty shall be provided.

NOTE: This specification has been written to assist in preparing a detailed description of a portable wheelchair lift. All or part of this specification may be reproduced. Additional technical information may be obtained from ASCENSION, Tucson, AZ. Specifications are also available electronically at www.wheelchairlift.com.

Specifications are subject to change.

PROVEN RESULTS!

See Why These Major Facilities Have Selected The Ascension Portable Wheelchair Lift

School Districts

New York City Board of Education
Los Angeles Unified School District
Chicago Public Schools
Miami-Dade County Public Schools
Houston Independent School District
School District of Philadelphia
St Louis Public Schools
Minneapolis Public Schools
Memphis City Schools
Omaha Public Schools
Oakland Unified School District
Hawaii State School System
Tucson Unified School District
Virginia School for the Deaf and Blind
Perkins School for the Blind (MA)
Jefferson County Public Schools (Louisville)
Clark County School District (Las Vegas)
Duluth Public Schools

Colleges and Universities

University of Notre Dame
Stanford University
University of Southern California
Yale University
University of California Berkeley
Duke University
Penn State University
Northwestern University
University of Illinois at Chicago
University of Virginia
Southern Methodist University
Brigham Young University
Southern University (Baton Rouge)
University of Tennessee
Hong Kong Polytechnic University
University of Texas at Austin

Convention Centers and Arenas

McCormick Place Complex (Chicago)
Los Angeles Convention Center
Las Vegas Convention Center
San Diego Convention Center
Orange County Convention Center (Orlando)
John F Kennedy Center for the Performing Arts
Anaheim Convention Center
Metro Toronto Convention Centre
Miami Beach Convention Center
Minneapolis Convention Center
Hynes Convention Center (Boston)
Cobo Conference/Exhibition Center (Detroit)
Atlantic City Convention Center
Phoenix Civic Plaza
Kansas City Convention Center
Cincinnati Convention Center
Washington State Convention & Trade Center
MGM Grand Garden (Las Vegas)
Hawaii Convention Center
Navy Pier (Chicago)
Niagara Falls Convention Center
Spokane Arena
Dallas Convention Center
Radio City Music Hall

Other Facilities

New York City Police Department
County of Los Angeles
Pixar Animation Studio
Milwaukee Art Museum
Robins Air Force Base (GA)
Hyatt Orlando
Wyndham Franklin Plaza Hotel (Philadelphia)
Temple Mt Sinai (El Paso)
Congregation Shaare Emeth (St Louis)
IBM Palisades (NY) Executive Conference Center

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