

## GENESIS VERTICAL LIFT

Enclosure and Shaftway models - for lifting heights up to fourteen feet



The garaventa genesis is a vertical platform lift designed to provide access into or within public buildings. It travels inside a complete, self-contained enclosure, as shown, or can be located in a shaftway constructed by others. Our unique, anodized aluminum design is strong, durable and attractive.

## Shaftway Model

The Genesis Shaftway Model fits inside a vertical runway that is built by others in accordance to Garaventa Lift specifications. The system consists of a drive mast, passenger platform and doors or gates. The shaftway can be completely enclosed, much like an elevator shaftway, or it can be open at the upper landing. A variety of doors and gates are available.



The lower landing of this Genesis Shaftway Model was designed with filler walls.

## Applications:

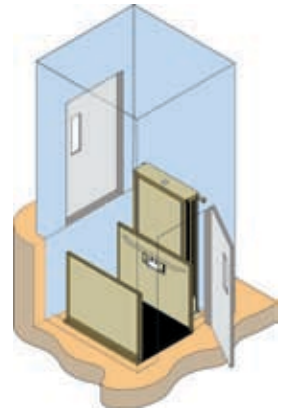
Schools, churches, public buildings, clubs and residences

## Standard Features

- Choice of Leadscrew or Continuous Mains Powered Hydraulic drive with an auxiliary power system
- Leadscrew drive - for lifting heights up to 3734mm (147")
- Hydraulic drive - for lifting heights up to 4343mm (171")
- Certified electric interlocks and automatic closer for doors and gates
- Sturdy 16 gauge galvanized steel platform side walls: 1070mm (42 1/8") high
- Directional control switches and emergency stop switch
- Grab rail on platform side wall panel
- Keyless operation

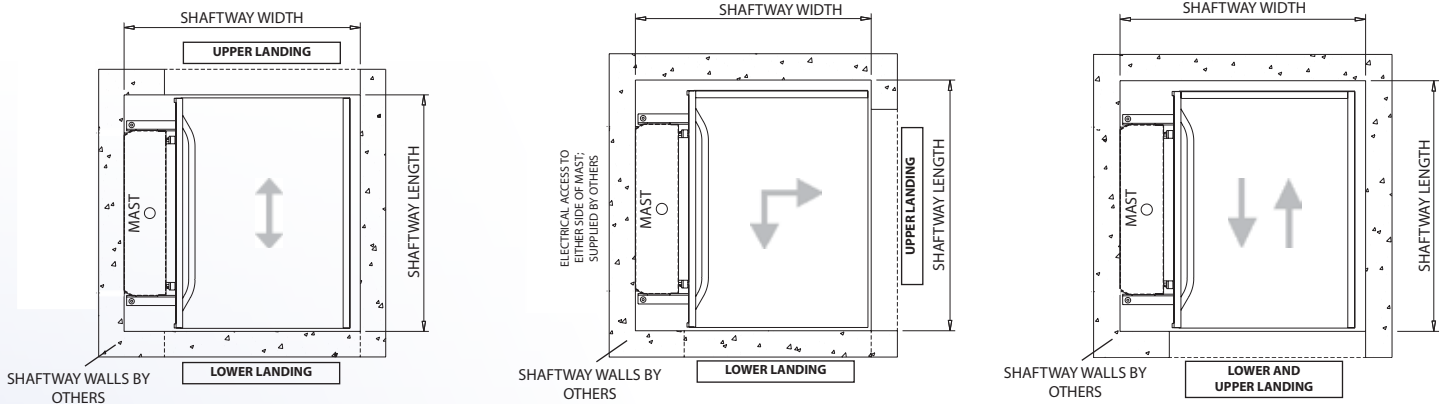
## Optional Features

- Power Door Operators (ADA compliant)
- Custom platform sizes available
- Illuminated and tactile constant pressure directional buttons
- Arrival gong and digital floor display
- Anodized aluminum doors/gates with Plexiglas panels or fire rated doors
- Choice of RAL colors
- Autodialer phone (ADA compliant)
- Keyed operation
- Battery powered emergency lowering (Leadscrew drive only)
- Full time battery operation (Hydraulic drive only)
- Custom applications (Consult Garaventa Lift)



## Genesis Shaftway Dimensions

(for more detailed technical information refer to the Genesis Design and Planning Guide)



Shaftway Straight Through				
Platform Size	Shaftway Width	Shaftway Length	Platform Width	Platform Length
Compact	1353mm [53 1/4"]	1295mm [51"]	914mm [36"]	1257mm [49 1/2"]
Standard	1400mm [55 1/8"]	1409mm [55 3/8"]	962mm [37 7/8"]	1370mm [53 7/8"]
Mid-Size	1400mm [55 1/8"]	1561mm [61 3/8"]	962mm [37 7/8"]	1522mm [59 7/8"]
Large	1552mm [61 1/8"]	1561mm [61 3/8"]	1089mm [42 7/8"]	1522mm [59 7/8"]

Shaftway 90° Entry/Exit			
Shaftway Width	Shaftway Length	Platform Width	Platform Length
1310mm [51 5/8"]	1338mm [52 3/4"]	955mm [37 5/8"]	1216mm [47 7/8"]
1357mm [53 3/8"]	1451mm [57 1/8"]	1002mm [39 1/2"]	1329mm [52 3/8"]
1357mm [53 3/8"]	1603mm [63 1/8"]	1002mm [39 1/2"]	1482mm [58 3/8"]
1509mm [59 3/8"]	1603mm [63 1/8"]	1129mm [44 1/2"]	1482mm [58 3/8"]

Shaftway Encl. On / Off Same Side			
Shaftway Width	Shaftway Length	Platform Width	Platform Length
1353mm [53 1/4"]	1338mm [52 3/4"]	914mm [36"]	1216mm [47 7/8"]
1400mm [55 1/8"]	1451mm [57 1/8"]	962mm [37 7/8"]	1329mm [52 3/8"]
1400mm [55 1/8"]	1603mm [63 1/8"]	962mm [37 7/8"]	1482mm [58 3/8"]
1552mm [61 1/8"]	1603mm [63 1/8"]	1114mm [43 7/8"]	1482mm [58 3/8"]

(Entry/Exit Adjacent to Mast)

- See separate drawings in the Genesis Design and Planning Guide for door details.
- Platform dimensions are clear inside dimensions.
- Ramp required for floor mount
- If the tie back rail (spreader bar) is to be used to attach the mast to the shaftway wall, the shaftway width dimension will increase by 38 mm [1 1/2"]

## Enclosure Model

The Genesis Enclosure Model is a complete, self-contained vertical access solution. It is similar to the Shaftway Model except it includes its own pre-fabricated enclosure and integrated doors or gates. The enclosure can be built full height and fitted with a Plexiglas dome for weather protection, or can be left open at the top.



This enclosure model combines anodized aluminum extrusions with Plexiglas panels.

## Applications:

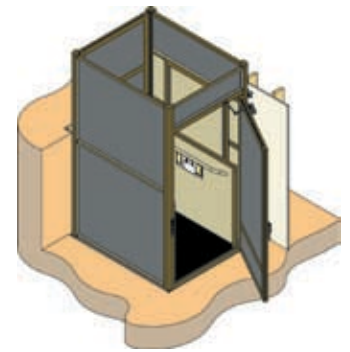
Schools, churches, public buildings, clubs and residences

## Standard Features

- Choice of Leadscrew or Continuous Mains Powered Hydraulic drive with an auxiliary power system
- Leadscrew drive - for lifting heights up to 3734mm (147")
- Hydraulic drive - for lifting heights up to 4343mm (171")
- Interlocks and automatic closer for doors and gates
- Champagne colored anodized aluminum frame enclosure
- Sturdy 16 gauge galvanized steel platform side walls: 1070mm (42 1/8") high
- Directional control switches and emergency stop switch
- Grab rail on platform side wall panel
- Keyless operation

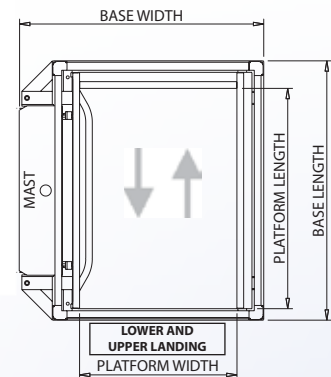
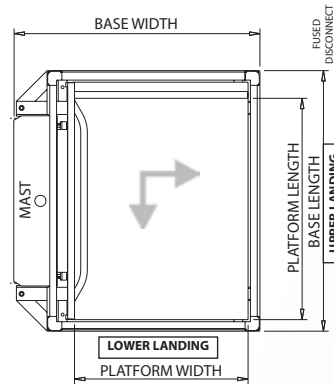
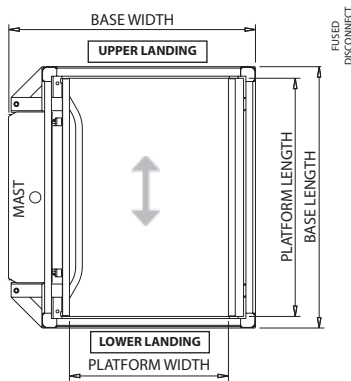
## Optional Features

- Power Door Operators (ADA compliant)
- Custom platform sizes available
- Illuminated and tactile constant pressure directional buttons
- Arrival gong and digital floor display
- Steel or Plexiglas enclosure panels
- Choice of RAL colors
- Autodialer phone (ADA compliant)
- Keyed operation
- Battery powered emergency lowering (Leadscrew drive only)
- Full time battery operation (Hydraulic drive only)
- Fan and Ventilation System with thermostatic controls and battery backup - requires Continuous Mains Power
- Custom applications (Consult Garaventa Lift)



## Genesis Enclosure Dimensions

(for more detailed technical information refer to the Genesis Design and Planning Guide)



	Enclosure Straight Through			
Platform Size	Base Width	Base Length	Platform Width	Platform Length
Standard	1399mm [55 1/8"]	1505mm [59 1/4"]	914mm [36"]	1370mm [53 7/8"]
Mid-Size	1399mm [55 1/8"]	1656mm [65 1/8"]	914mm [36"]	1522mm [59 7/8"]
Large	1551mm [61 1/8"]	1656mm [65 1/8"]	1068mm [42"]	1522mm [59 7/8"]

	Enclosure 90° Entry/Exit			
Platform Size	Base Width	Base Length	Platform Width	Platform Length
Standard	1399mm [55 1/8"]	1505mm [59 1/4"]	1002mm [39 1/2"]	1278mm [50 3/8"]
Mid-Size	1399mm [55 1/8"]	1656mm [65 1/8"]	1002mm [39 1/2"]	1431mm [56 3/8"]
Large	1551mm [61 1/8"]	1656mm [65 1/8"]	1155mm [45 1/2"]	1431mm [56 3/8"]

	Enclosure On/Off Same Side			
Platform Size	Base Width	Base Length	Platform Width	Platform Length
Standard	1399mm [55 1/8"]	1505mm [59 1/4"]	914mm [36"]	1278mm [50 3/8"]
Mid-Size	1399mm [55 1/8"]	1656mm [65 1/8"]	914mm [36"]	1431mm [56 3/8"]
Large	1551mm [61 1/8"]	1656mm [65 1/8"]	1068mm [42"]	1431mm [56 3/8"]

(Entry/Exit Adjacent to Mast)

- See separate drawings in the Genesis Design and Planning Guide for door details.
- Platform dimensions are clear inside dimensions.
- Ramp required for floor mount
- Mast-to-wall attachment required

# GENESIS VERTICAL LIFT

Need Design Assistance?

Call your local Garaventa Lift representative or our Design Hotline at 1-800-663-6556

## Other Garaventa Lift Products: Genesis Opal Model



The Garaventa Genesis OPAL Model is a reliable, cost-effective accessibility solution for buildings or private residences. The OPAL can be installed indoors or outdoors when a hoistway or factory enclosure is not required. This durable lift features easy to use call stations, platform controls and is equipped with many built-in safety features. Maximum floor to floor travel, when floor mounted, is 1600mm (63").

## Architects!

Many resources are available at [www.garaventa.ca](http://www.garaventa.ca)

- Design Specifications
- Spec-Wizard
- CAD Blocks
- Design and Planning Guides
- Photo Gallery

## Garaventa Lift

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## Leadscrew Drive Technical Information

### Platform Sizes

**Enclosure Model Platforms:**  
914mm x 1370mm (36" x 54")  
914mm x 1522mm (36" x 60")  
1068mm x 1522mm (42" x 60")

**Shaftway Model Platforms:**  
914mm x 1257mm (36" x 49 1/2")  
962mm x 1370mm (38" x 54")  
962mm x 1522mm (38" x 60")  
1089mm x 1522mm (43" x 60")

### Rated Load

340 kg (750 lbs), with a safety factor of 5

### Speed

3 meters (10 ft) per minute at full load

### Operating Controls:

**Keyless Controls:** no key required for call stations and platform controls

**Directional Controls:** Constant pressure switches

**Control Voltage:** 24 VDC

### Drive System

**Motor:**  
2 HP (1750 RPM) Motor  
**Drive Type:** ACME screw (1" diameter)

**Mains Supply:**  
North American Models: 120 VAC  
on a dedicated 20 amp circuit  
International Models: 208-240 VAC  
on a dedicated 16 amp circuit

## Hydraulic Drive Technical Information

### Platform Sizes

**Enclosure Model Platforms:**  
914mm x 1370mm (36" x 54")  
914mm x 1522mm (36" x 60")  
1068mm x 1522mm (42" x 60")

**Shaftway Model Platforms:**  
914mm x 1257mm (36" x 49 1/2")  
962mm x 1370mm (38" x 54")  
962mm x 1522mm (38" x 60")  
1089mm x 1522mm (43" x 60")

### Rated Load

340 kg (750 lbs), with a safety factor of 5

### Speed

5.2 meters (17 ft) per minute at full load

### Operating Controls

**Keyless Controls:** no key required for call stations and platform controls

**Directional Controls:** Constant pressure switches

**Control Voltage:** 24 VDC

### Drive System

**Motor:**  
3 HP (2.2 KW) Motor  
**Drive Type:** Chained Hydraulic  
(Dual 5/8" ANSI 50 chains)

**Mains Supply:**  
North American Models: 120 VAC  
on a dedicated 15 amp circuit  
International Models: 208-240 VAC  
on a dedicated 16 amp circuit



## Garaventa GSL Artira

### Inclined Platform Wheelchair Lift

The GSL Artira is able to follow straight and curving stairways up several flights of stairs and across horizontal landings. A variety of platform sizes and options allow for extensive customization of the Artira to meet the needs of the user.



[www.garaventa.ca](http://www.garaventa.ca)

Authorized Garaventa Lift Representative

