

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:

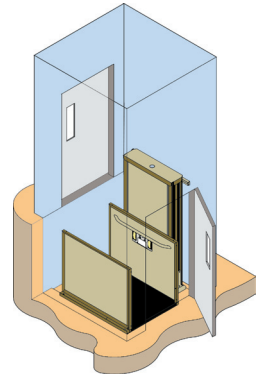
Schools, churches, public buildings, clubs and residences

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") H
- Directional control switches and emergency stop switch
- Grab rail on platform side wall panel
- Keyless operation
- Two year warranty

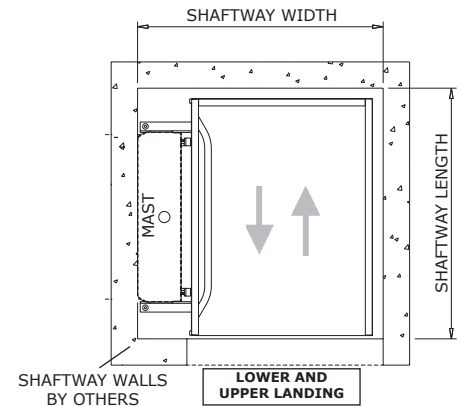
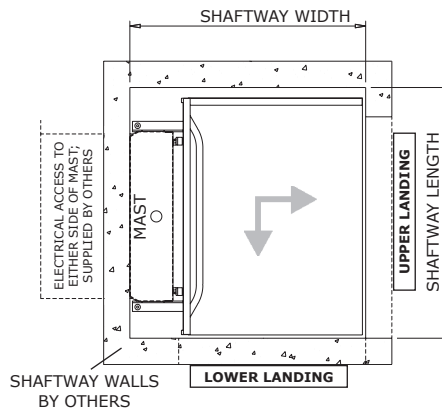
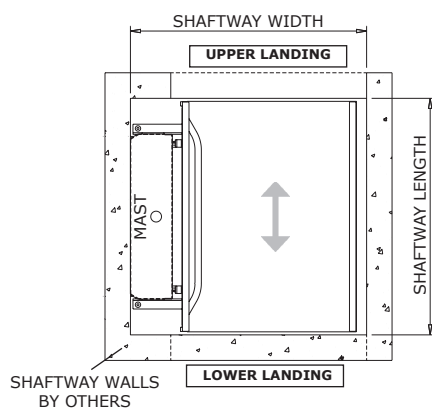
Optional Features

- Power Door Operators (ADA compliant)
- Custom platform sizes available
- Illuminated, 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 - for low use applications (Hydraulic drive only)
- Custom applications (Consult Garaventa Lift)
- Extended warranty (five additional years) * USA/Canada only



Genesis Shaftway Dimensions

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



Shaftway Straight Through				
Platform Size	Shaftway Width	Shaftway Length	Platform Width	Platform Length
Compact	1317mm [51 7/8"]	1295mm [51"]	914mm [36"]	1257mm [49 1/2"]
Standard	1394mm [54 7/8"]	1407mm [55 3/8"]	992mm [39"]	1370mm [53 7/8"]
Mid-Size	1394mm [54 7/8"]	1558mm [61 3/8"]	992mm [39"]	1520mm [59 7/8"]
Large	1546mm [60 7/8"]	1558mm [61 3/8"]	1146mm [45"]	1520mm [59 7/8"]

Shaftway 90° Entry/Exit			
Shaftway Width	Shaftway Length	Platform Width	Platform Length
1272mm [50 1/8"]	1316mm [51 7/8"]	940mm [37"]	1208mm [47 1/2"]
1350mm [53 1/8"]	1428mm [56 1/4"]	1017mm [40"]	1320mm [52"]
1350mm [53 1/8"]	1579mm [62 1/8"]	1017mm [40"]	1471mm [57 7/8"]
1502mm [59 1/8"]	1579mm [62 1/8"]	1169mm [46"]	1471mm [57 7/8"]

Shaftway On/Off Same Side			
Shaftway Width	Shaftway Length	Platform Width	Platform Length
1317mm [51 7/8"]	1316mm [51 7/8"]	914mm [36"]	1209mm [49 1/2"]
1394mm [54 7/8"]	1428mm [56 1/4"]	992mm [39"]	1320mm [52"]
1394mm [54 7/8"]	1579mm [62 1/8"]	992mm [39"]	1471mm [57 7/8"]
1546mm [60 7/8"]	1579mm [62 1/8"]	1144mm [45"]	1471mm [57 7/8"]

- 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"]
- Mast-to-wall attachment required

(Entry/Exit Adjacent to Mast)

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:

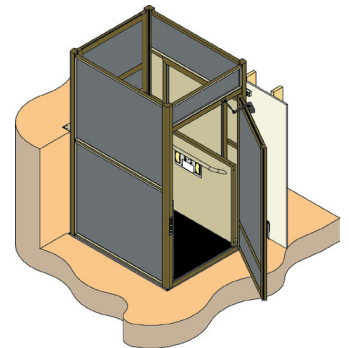
Schools, churches, public buildings, clubs and residences

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") H
- Directional control switches and emergency stop switch
- Grab rail on platform side wall panel
- Keyless operation
- Two year warranty

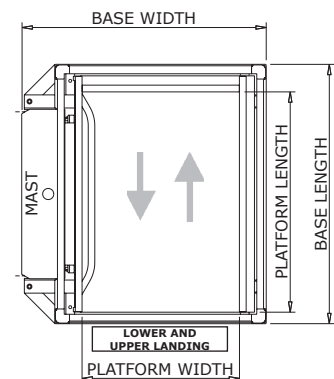
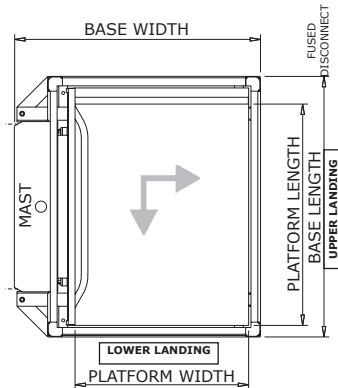
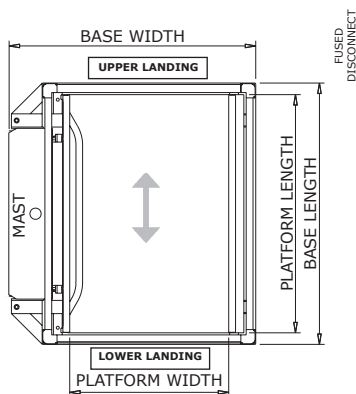
Optional Features

- 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
- Custom applications (Consult Garaventa Lift)
- Battery powered emergency lowering (Leadscrew drive only)
- Full time battery operation - for low use applications (Hydraulic drive only)
- Fan and Ventilation System with thermostatic controls and battery backup - requires Continuous Mains Power
- Extended warranty (five additional years) * USA/Canada only



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"]	947mm [37 1/4"]	1370mm [53 7/8"]
Mid-Size	1399mm [55 1/8"]	1656mm [65 1/8"]	947mm [37 1/4"]	1520mm [59 7/8"]
Large	1551mm [61 1/8"]	1656mm [65 1/8"]	1099mm [43 1/4"]	1520mm [59 7/8"]

Enclosure 90° Entry/Exit			
Base Width	Base Length	Platform Width	Platform Length
1399mm [55 1/8"]	1505mm [59 1/4"]	1017mm [40"]	1295mm [51"]
1399mm [55 1/8"]	1656mm [65 1/8"]	1017mm [40"]	1446mm [56 7/8"]
1551mm [61 1/8"]	1656mm [65 1/8"]	1155mm [45 1/2"]	1446mm [56 7/8"]

Enclosure On/Off Same Side			
Base Width	Base Length	Platform Width	Platform Length
1399mm [55 1/8"]	1505mm [59 1/4"]	947mm [37 1/4"]	1295mm [51"]
1399mm [55 1/8"]	1656mm [65 1/8"]	947mm [37 1/4"]	1446mm [56 7/8"]
1551mm [61 1/8"]	1656mm [65 1/8"]	1099mm [43 1/4"]	1446mm [56 7/8"]

(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

Leadscrew Drive

Platform Sizes

Enclosure Model Platforms:

947mm x 1370mm (37 1/4" x 54")
947mm x 1522mm (37 1/4" x 60")
1099mm x 1522mm (43 1/4" x 60")

Shaftway Model Platforms:

914mm x 1257mm (36" x 49 1/2")
992mm x 1370mm (39" x 54")
992mm x 1522mm (39" x 60")
1144mm x 1520mm (45" 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

Platform Sizes

Enclosure Model Platforms:

947mm x 1370mm (37 1/4" x 54")
947mm x 1522mm (37 1/4" x 60")
1099mm x 1522mm (43 1/4" x 60")

Shaftway Model Platforms:

914mm x 1257mm (36" x 49 1/2")
992mm x 1370mm (39" x 54")
992mm x 1522mm (39" x 60")
1144mm x 1520mm (45" 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



Architects

Many resources are available at www.garaventalift.com:

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

Contact us today

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Authorized Garaventa Lift Representative

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