

ELVORON LU/LA

Limited Use / Limited Application Elevator



The Elvoron LU/LA is a limited use limited application elevator designed for low rise and low occupancy buildings. It is fully automatic in operation and is very similar in look and feel to larger commercial elevators. The Elvoron LU/LA provides vertical access for everyone, including able bodied passengers, persons with disabilities and even children in strollers.

The Elvoron LU/LA - Engineered for Safety, Comfort and Reliability

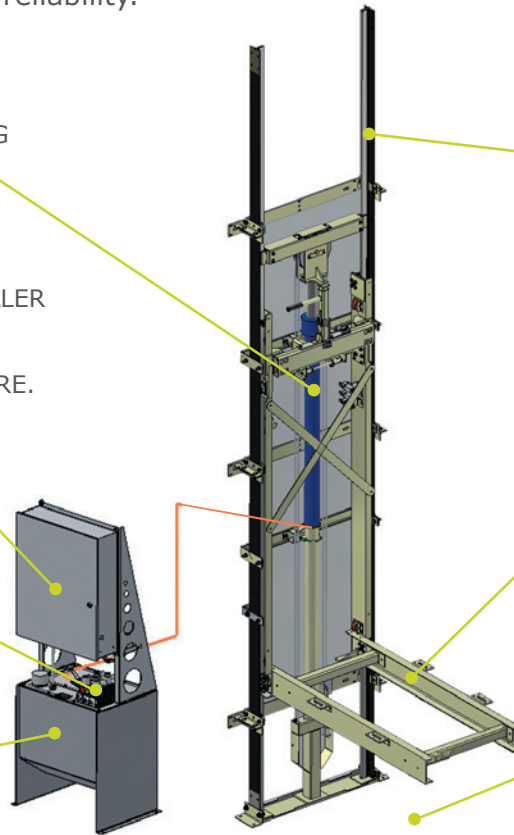
When choosing a LU/LA elevator, it's what you don't see that really counts. Our Elvoron design team selected only heavy duty structural components and well-proven drive and control systems to ensure safety, comfort and long-term reliability.

1:2 CABLE HYDRAULIC DRIVE WITH AUTOMATIC LEVELING, EMERGENCY MANUAL LOWERING AND INSTANTANEOUS SAFETY BRAKE SYSTEM

COMPUTERIZED (PLC) CONTROLLER HAS AN EMERGENCY BACKUP POWER SYSTEM FOR LOWERING IN THE EVENT OF POWER FAILURE.

TWO-SPEED HYDRAULIC CONTROL VALVE PROVIDES SMOOTH, COMFORTABLE STARTING AND STOPPING.

SUBMERSED HYDRAULIC PUMP AND MOTOR ENSURES QUIET OPERATION.



STURDY 8 LBS PER FOOT ELEVATOR GUIDE RAIL SYSTEM ENSURES A SMOOTH, QUIET RIDE.

HEAVY DUTY CANTILEVERED CAR SUPPORT SLING PROVIDES CAPACITY OF 1,400 LBS (635 KG).

MINIMUM PIT DEPTH IS 14" (356 MM).

Elvoron Controls - Elegant and Functional with a Choice of Finishes

The controls of the Elvoron LU/LA are the same as would be found on a commercial elevator. Operation is fully automatic. The Car Operating Panel and Hall Stations are available in Brushed Stainless Steel, Brass and Antique Brass Finishes.



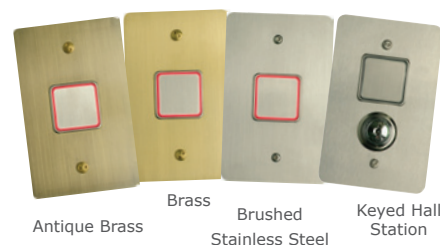
Car Operating Panel (COP)
The Elvoron LU/LA COP is equipped with a digital floor indicator, illuminated floor buttons, alarm button, door open and door close buttons and a keyed emergency stop switch. An optional integrated hands-free phone is available.



Car Direction Lantern
Mounted in the car doorway, the Car Direction Lantern is an audio and visual signaling device that indicates direction of travel and arrival at the floor.

Hall Stations

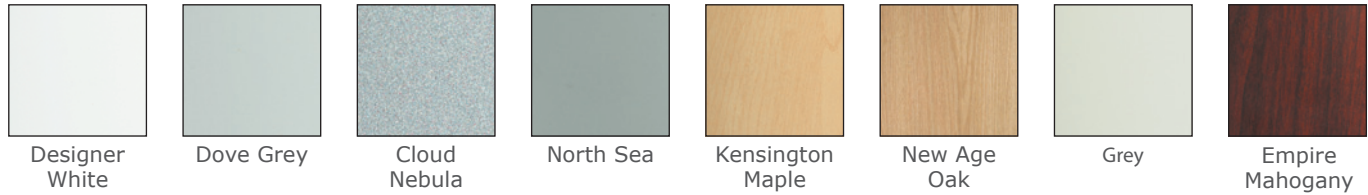
Elvoron hall station buttons illuminate when pushed. The push button itself is always made of stainless steel for maximum durability. Wall plates are available in three finishes. For increased safety and security, an optional key switch allows the entire elevator to be deactivated.



Doors, Fixtures and Finishes

Your Elvoron elevator will be a key feature of your building. Interior design and finish are important considerations. We offer a variety of attractive and durable wall and ceiling finishes as shown below. All Elvoron cars are supplied with basic plywood floors ready for installation of your preferred flooring material, as supplied by others.

Car Wall Laminate Panel Selection - Fire rated, tough and easy to clean. Offered in a choice of 8 standard colors.



Car Wall Trim Colors

The trim separates the car wall panels and adds the finishing touch to your elevator cab. The standard trim is available in black or white. Custom colors and stainless steel finish trims are available as an option.



Entrance Doors and Car Doors

Like a commercial elevator, the Elvoron LU/LA is equipped with two-speed horizontal sliding entrance and car doors. The car doors are finished to match your car wall trim and are equipped with full height photo-electric door sensors. The entrance doors are primed and ready to be painted to match your building décor. All doors can also be supplied in brushed stainless steel.



Handrail Choices

All Elvoron cars are equipped with one handrail on the control wall. The handrails are available in three finishes or can be customized. Additional handrails can be mounted on the other car walls for extra passenger security.



Ceilings and Halogen Lighting

All Elvoron LU/LA's are equipped with four recessed low-voltage halogen lamps that illuminate automatically when the doors open. Ceiling choices are white, stainless steel or custom. White lamps are fitted into white ceilings, black into stainless ceilings.

Other Garaventa Lift Products:



Garaventa Lift Elvoron CPL

The Elvoron CPL is a vertical platform lift equipped with a full height cab and a non-load bearing ceiling. It looks and feels like a small elevator but costs much less. The Elvoron CPL is designed to provide access for people with disabilities in commercial buildings. Simple constant pressure operation and swing door access ensure reliability and ease of operation for passengers.

Free Design Assistance!

Call your local Garaventa Lift Representative or our Design Hotline at 1.800.663.6556

Architects!

Many resources are available at www.garaventalift.com

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

Garaventa Lift

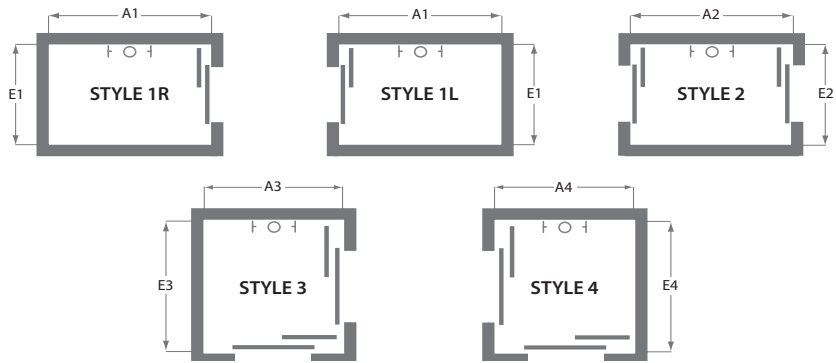
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Garaventa Lift Elvoron LU/LA Model

Clear Inside Hoistway Dimensions (custom sizes available)



Car Size	A1	E1	A2	E2	A3	E3	A4	E4
48" x 54" (1220 x 1372)	73" (1854)	69" (1753)	81 1/2" (2070)	69" (1753)	N/A	N/A	N/A	N/A
42" x 60" (1067 x 1524)	79" (2007)	66" (1676)	87 1/2" (2223)	66" (1676)	N/A	N/A	N/A	N/A
51" x 51" (1295 x 1295)	N/A	N/A	N/A	N/A	72" (1829)	82 3/4" (2102)	72" (1829)	82 3/4" (2102)

Warning about LU/LA Elevators:

Local code authorities may have a limit on travel, capacity, car sizes and speed. Contact Garaventa Lift before starting your project.

Technical Information:

Car Sizes:

Select one of the standard sizes or contact Garaventa. Car height 84" (2134mm).

Rated Load:

1400 lbs (635 kg)

Speed:

Standard: 30 fpm (0.15 m/s) nominal speed

Option: 40 fpm (0.2 m/s) - contact Garaventa

Travel Range:

Standard: 25 ft (7.6 meters)

For greater travel distances contact Garaventa

Stops:

Up to 6 stops

Pit Depth:

Minimum 14" (356mm)

Overhead Clearance (Refuge Space):

135" (3429mm)

114" (2896mm) with car top prop

Drive System:

1:2 Cable Hydraulic

Heavy duty car sling with roller guide shoes running on 8 lb. per foot steel T-Rails

Quiet submersed pump and motor (5 HP)

Factory pre-set and tested 2-speed valve for smooth start and stop

Controls:

Fully automatic push button operation

Garaventa-Design PLC Controller

Integrated self-diagnostics

Digital floor indicator in car

Automatic car lighting upon entry

Illuminated push buttons

Power Supply:

Elevator: Standard: 208 VAC three phase
 Option: 230 VAC single phase

Lighting: 110 VAC single phase, 15 amps

Doors:

36" x 80" (914mm x 2032mm) two-speed horizontal sliding hoistway and car doors

Safety Features:

Emergency backup power system

Emergency manual lowering valve

Safety brake system

Car operator with integral gate switch

Automatic bi-directional floor levelling

Emergency alarm button in car

Emergency keyed stop switch in car

Overspeed valve

Final limit switch

Pit prop

Unique Standard Features:

Braille markings

Car direction lantern comes with audio and visual signals

Full height photo-electric door sensors

Code Compliance:

ASME A17.1, Section 5.2 LU/LA Elevators

CSA B-44, Section 5.2 LU/LA Elevators

ADA (Americans with Disabilities Act)

Popular Options:

Integrated hands free telephone

Additional handrails

Emergency recall operation (fireman service)

Car top prop

Buffer springs (increases your pit depth)

