

# Vertical Platform Lift (VPL)



## VERTICAL PLATFORM LIFT (VPL)

- Utilized for Barrier free accessibility and transportation of a person in a wheelchair with/without an attendant.
- Manufactured as per the elevator code CSA-B355.
- Provided for both indoor and outdoor applications.
- The machine for a VPL is typically a hydraulic design powered by a hydraulic pump & cylinder assembly or also offered as screw driven machines.

## ADVANTAGES OF A VERTICAL PLATFORM LIFT (VPL)

- Reliable and cost saving alternative to a Passenger Elevator/LULA Elevator.
- Design solutions available for minimal enclosure/hoistway construction, limited overhead and/or pit depth.
- Environmentally friendly non-buried hydraulic cylinder drive system.
- Easy to install and maintain the device with minimal running expense.

Express Elevators & Lifts Inc.

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Phone: (905) 799-3777 ext. 1

Website: [www.expresselevatorslifts.com](http://www.expresselevatorslifts.com)



Entrances	Elevator Cab Size mm (inch)		Shaft Size mm (inch)	
On the Same side	914 (36)	1220 (48)	1397 (55)	1422 (56)
	914 (36)	1371 (54)	1397 (55)	1574 (62)
	914 (36)	1525 (60)	1397 (55)	1727 (68)
On Opposite side	914 (36)	1220 (48)	1397 (55)	1245 (49)
	914 (36)	1371 (54)	1397 (55)	1397 (55)
	914 (36)	1524 (60)	1397 (55)	1550 (61)
At Right angle	914 (36)	1220 (48)	1090 (43)	1255 (49.5)
	914 (36)	1371 (54)	1090 (43)	1410 (55.5)
	914 (36)	1525 (60)	1090 (43)	1560 (61.5)

**Other custom sizes to suit an existing space are also available.**



#### STANDARD PRODUCT FEATURES WITH AVAILABLE OPTIONS

- Load Capacity: Typically varies from 340 kg (750 lb) to 636 Kg (1400 lb).
- Speed: 0.15 m/sec (30 fpm), with certain AHJ allowing for speed higher speed.
- Travel: As determined by AHJ (Authority Having Jurisdiction), a VPL can be installed in an un-enclosed hoist shaft for travel up to 2438 mm (8' – 0") and up to 7010 mm (23' – 0") in an enclosed hoistway shaft.
- Pit Depth: Varies between 0 mm (0") and 300 (12").
- Minimum Required Overhead: 2438 mm (96").
- Maximum number of stops: Limited by the maximum permissible travel limit.
- Car Area: Maximum 20 sq. ft.
- Lexan glass or laminate glass shaft enclosure is available.
- Masonry/concrete or structural steel drywall enclosure is recommended for projects where fire separation is required between floors.

#### SAFETY FEATURES

- Handrail.
- Emergency stop button in the car.
- Battery operated alarm.
- Battery operated emergency cab lighting.
- Optional Autodialer.
- Manual lowering or Battery-operated power of lowering/rescue device.
- Underpan obstruction sensors for non-enclosed units.

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### **SIGNALS INCLUDED**

- Car LED Lighting.
- Car Operating Panel to include: Emergency Light, Capacity Tag, Landing Selection Button, Alarm Button, Optional Autodialer Button.
- Hall buttons provided with in-use lights.
- Optional arrival lights with chime.
- Provided with key override switch for restricted access.
- Optimal provision for security card for restrictive access & camera is available.

### **CAB FINISHES**

- Anti skid rubberized or metal painted flooring.
- Optional Aluminum/ St. Steel checkered flooring.
- Walls & ceiling are in melamine panel finish.
- Optional plastic laminated, powder coated steel and #4 St. Steel Elevator cab/Glass Panel cab are available.
- Elevator cab can also be provided in plywood finish with suitable weight contingency for wall cladding, final finishing by others.
- Other finishes may be available upon request.

### **ENTRANCES**

- Entrances: 939 mm (37") wide X 1066 mm (42") or 2032 mm (80") high.
- Single panel horizontal swing, manual or power operated, provided in steel prime/powder coated finish.
- Hollow metal door provided with 1.5 hour fire label.
- Optional #4 St. Steel entrances with/without laminate or Lexan glass inserts are also available in the door panels.
- Provided with constant pressure push button for operation.

### **MACHINE ROOM DETAILS**

- Minimum recommended size to be 1524 mm (60") Wide x 1524 mm (60") Deep x 2134 mm (84") High.
- Machine room located adjacent to the hoistway shaft at bottom landing with solutions available for a remote machine room.
- With door swinging out.
- Provided with required electrical fused disconnect boxes, guarded light with a switch, GFCI Plug.
- Machine room to be constructed as per elevator code and building code with adequate ventilation to suit heat dissipation from the elevator equipment.



*For Further inquiries please email us at [sales@expresselp.com](mailto:sales@expresselp.com)*

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