

Express Elevators & Lifts

Automobile Elevator



- Freight Elevators designed with Class B Automobile loading are commonly known as Automobile Elevators and are used to transport passenger vehicles such as sedans, SUVs and trucks between multiple levels.
- Often used in automobile dealerships, mixed use condominiums, parking garages, residential homes and other ICI buildings.
- Extremely versatile and customizable to suit required building height, available headroom & pit depth. Provided with front only or front & rear entrances to suit building entrance orientation.
- We provide Automobile Elevators meeting CSA B44 & ASME 171.1 code for North America & overseas markets.

FEATURES OF AUTOMOBILE ELEVATORS

- Passengers seated inside automobile are permitted to travel within the Elevator cab.
- Single automatic push button operation with synchronized opening of Elevator landing door and Elevator cab door.
- Available with advanced smart card operation option or wireless fob operation for selective floor access.
- Final product specifications may vary and to be as per TSSA (Technical Standards and Safety Authority) in Ontario and as per other Authorities having jurisdiction (AHJ) for other provinces, territories & states in North America.

	Elevator Car Size mm (inch)			Shaft Size mm (inch)	
	W	L	H	W	L
Entrances with Vertical Bi-Parting Doors					
On Same Side	2743 (108)	5791 (228)	2016 (80)	3607 (142)	6477 (255)
On Opposite Sides	2743 (108)	5791(228)	2016(80)	3607 (142)	6451 (254)
With Swing Doors					
On Same Side	2743 (108)	5791 (228)	2016 (80)	3607 (142)	6274 (247)
On Opposite Sides	2743 (108)	5791 (228)	2016 (80)	3607 (142)	6172 (243)



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PRODUCT SPECIFICATIONS WITH AVAILABLE OPTIONS

Load Capacity	<ul style="list-style-type: none"> Ranges from 2722 Kg to beyond 4536 Kg (6000 lb to beyond 10,000 lb).
Loading	<ul style="list-style-type: none"> Class B Loading, for Automobile.
Speed	<ul style="list-style-type: none"> Ranges from 0.15 m / sec (30 fpm) to 0.50 m / sec (100 fpm) and beyond.
Typical Car Size	<ul style="list-style-type: none"> 2743 mm (108") wide x 5791 mm (228") deep x 2016 mm (80") high.
Travel	<ul style="list-style-type: none"> Environmentally friendly, directly coupled hydraulic cylinders available for travel up to 13.71 m (45'- 0"). Roped Hydraulic Twin Cylinder design and overhead traction elevators for beyond 13.71 m (45'- 0").
Overhead Height	<ul style="list-style-type: none"> Typical 4013 mm (158"), however depends upon the car & entrance height. Please consult our sales department (sales@expresselp.com) for other suitable requirements.
Pit Depth	<ul style="list-style-type: none"> 1828 mm (72") Shallow pit solution, up to 1524 mm (60") is available upon request.
Cab Finishes	<ul style="list-style-type: none"> Steel prime finish / Powder Coated Finish Optional 304 St. Steel. Optional 316 St. Steel. Power operated, Full width, 72" high, Vertical slide-up car gate.
Entrances	<ul style="list-style-type: none"> Vertical bi-parting doors. Optional vertical slide-up entrance or swing entrance. Provided in prime / powder coated finish. Optional #4 St. Steel entrances. Georgian wire glass vision panel on door panel. CSA B44 & ASME A17.1 approved electro mechanical interlocking. 1.5 Hour fire rated doors. Illuminated floor buttons with key override switches on all landings. Other optional finishes may be available on request.
Operation	<ul style="list-style-type: none"> Single automatic push button (SAPB) from every entrance and inside the car elevator. Auxiliary car operating panel (COP) available for the 2nd elevator side wall. Auxiliary advanced proximity smart card or wireless fob operation for restricted access for authorized personnel only.
Power Unit Requirement	<ul style="list-style-type: none"> Approximate 40 HP submersible screw motor and pump. 600 V/3 phase/60 HZ with option for 208 V/3 phase /60 HZ.
Safety Features	<ul style="list-style-type: none"> Elevator cab provided with battery operated alarm, battery operated emergency light and an Auto-dialer. Options available for battery operated emergency power for lowering and/or automatic switch over of the elevator operation on building emergency supply power. Upon sensing a fire alarm, the controller of the elevator will automatically dispatch it to the fire lobby. Thereafter the doors will unlock and allow for the passenger to exit the elevator cab.

HOISTWAY SHAFT DETAILS

- Typically constructed of reinforced masonry block or cast in place concrete by others.
- Shaft to be provided with adequate structural support, hoisting beams, checkered steel sills, frames & header, rough opening for entrances, pit light with a switch and GFCI plug, fire alarm initiating devices by others.
- Optional steel shaft enclosure may be possible.
- Hoistway shaft to be constructed as per elevator code, building code, by others.

MACHINE AREA DETAILS

- Machine located adjacent to the shaft at bottom level.
- Machine Room door to swing out and be self locking and self closing.
- Lockable, fused disconnect box, guarded light with a switch, GFCI Plug, by others.
- Machine area to be constructed as per elevator code, building code, by others.

For Further inquiries please email us at sales@expresselp.com

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