

# EL-103V2

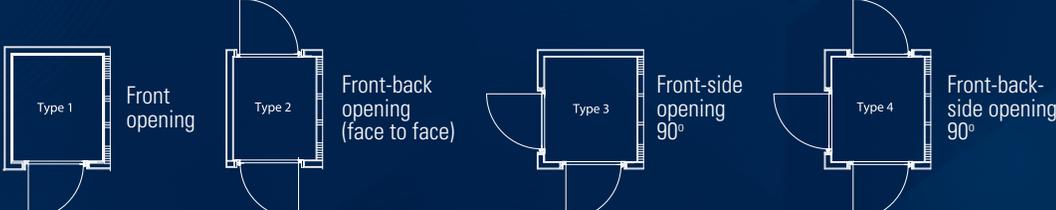
Device Type	Elevator platform suited for people with reduced mobility Residential / Commercial
# Model	EL-103V2 (AC version or Batteries 24V-DC)
Commercial name	Harmonie

## MAIN SPECIFICATIONS

Product description and use	Harmonie is a high-end indoor vertical-trajectory elevator platform suitable for people with reduced mobility, customized to the user's needs. Configured and coated according to your taste! For a person standing or in a wheel chair, with or without an attendant, it has its place in commercial, institutional or private facilities. Reliable and with low maintenance cost, this elevator is a user's trustworthy choice, whether in rental buildings or private homes.
Applicable Norms	CSA-B355-09/Commercial CSA-B613-00/Single family home
Course / Trajectory	Commercial: Maximum 23' (7 m). Single family home: Maximum 45' (13.5 m) **Calculated from the lower floor to the top floor**
Capacity / Rated load	Standard: 750 lb (340 kg), 1000 lb (453 kg), 1400 lb (635 kg)

## CABIN

Cabin structure	High resistance electrostatic black painted steel
Cabin dimensions	Maximal area: 3100 <sup>2</sup> (2 M <sup>2</sup> ) Many dimensions available according to needs and available space. Length: Minimum 48" (1220 mm) / Maximum 88" (2235 mm) Width: Minimum 32" (813 mm) / Maximum 48" (1220 mm)
Cabin height	Popular sizes: 36" X 60" (915 mm X 1524 mm) 36" X 84" (915 mm X 2133 mm) 42" X 60" (1067 mm X 1524 mm) Standard: 80" (2032 mm) **Option: 96" (2438 mm)

Possible configurations	
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Cabin floor finish	Black or grey corrugated vinyl (Wide Rib Rubber 100% non-slip ) Other materials can be installed by the contractor.
Cabin panel walls	Melamine: 16 mm wood particles panels: **Choice of available colours** Options: laminate, stainless steel, mirror, glass inserts **Special requests are possible. **
Cabin ceiling	Integrated lighting Black painted steel with honeycomb inserts (white, black, chrome) or melanin painted black or the color of the walls
Cabin lighting	Main lighting, recessed in the ceiling, with two (2) Del dome lights 120vac and one (1) emergency light 12vcc
Handrails	Anodized aluminium with black rubber non-slip inserts or flat stainless-steel bar

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## CONTROL BUTTONS

Control panel and push buttons

### IN-CABIN CONTROL PANEL

Push buttons at maintained pressure on low voltage  
Push button at maintained pressure for the audible alarm  
Key switch "on/off"  
Personalized engraved lamincoid or stainless-steel plate  
Push button for option – Open door

### LANDING CALL PANELS

Call buttons at maintained pressure  
Key selector "on/off"  
Engraved lamincoid or stainless steel

Multichoice of push buttons and personalization of control panels

Telecommunication

Handset phone with standard keyboard  
or auto-dialing hands-free intercom (Viking)

## ELEVATOR SHAFT

Shaft dimensions

Plans and specifications provided according to chosen cabin size and requirements

Pit

Depth of 6" (152 mm)

Required overhang

96" (2438 mm) over the top floor  
Minimum of 85" (2159 mm) if limited space

Anchor wall – Bearing wall

Wood, steel or concrete

## DOORS

### LANDING DOORS AND CABIN DOORS

Landing doors and cabin

Swing type, single leaf  
Standard landing doors: Height 80" (2032 mm) X Width 36" (914 mm)  
Possible widths: 32" (813 mm) to 42" (1067 mm)  
Multichoice of embossed models and variety of looking-through glasses  
Options : Bois âme pleine ou acier coupe-feu 90 minutes ULC

### OPENING AND CLOSING MECHANISM

Delayed action door closer  
or automatic door opener

## TECHNICAL SPECIFICATIONS

Mechanical room

Dimensions and electrical layout described on plans and specifications  
Possible without a mechanical room  
The location of the mechanical room is decided by the client.  
Ideally in a room next to the shaft at the lower level.  
Any other location must be approved by Élévabec.

Main power supply

240V / 208V / 600V  
Option: 24Vdc power batteries

Lighting power supply

120 / 1 / 60

Control

Relay control JHA-1000 according to CAN/CSA-B355-09 norm

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## DRIVE MACHINE

Drive system	Hydraulic piston with cables and pulleys
Movement speed	Approximative movement speed of 30'/minute (0.12 meters/second) to 50'/minute (0.25 meters/second)
Drive rails	For elevator Monteferro T89/B
Drive cables	7X19 MIL-DTL-8342M military steel, 5/16"(7.9 mm) diameter Breaking load: 9800 lb (4445 kg)
Pumping units	Pump 24Vdc – Operates on 2 batteries 12V (28p/min) (High Torque) Vertical pump – Motor 240v/600v – 2hp (30p/min) Dry unit 220/240/600v – 2hp/3hp (25p à 30p/min) Silent submersible unit (30 to 50p/min)

## SECURITY

Parachutes	Type A security brakes
Emergency going down	Security devices anchored on the pumping unit and the lower floor allowing manual going down of the platform in case of emergency
Relief valve	Limits the system pressure at most 50% above the operating pressure avoiding incidents in case of overload in the device.
Landing lock	Electromechanics GAL Type N or **Option X-Tronics Security device on the doors avoiding the movement of the platform if a door is not properly closed or if the cabin is absent. The landing door remains locked if the device is in operation or the cabin is not on the floor.