

### Device Type

Elevator platform suited for people with reduced mobility

Residential / Commercial

EL-103V2 (AC version or Batteries 24V-DC)

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-B355-19/Commercial

CSA-B613-00/Single family home

Commercial: Maximum 14' (4.25 m). Single family home: Maximum 23' (7 m)

\*\*Calculated from the lower floor to the top floor\*\*

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>1/2</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

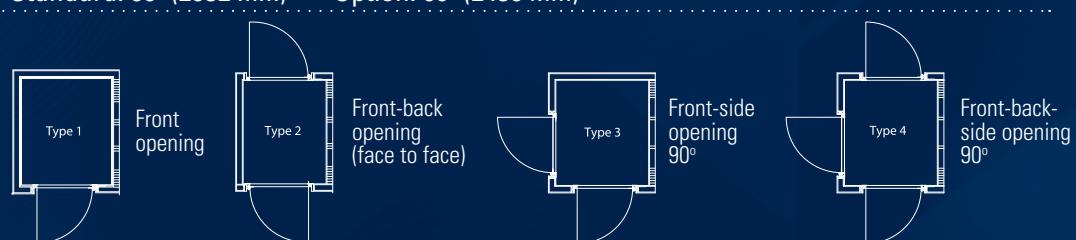
Popular sizes: 36" X 60" (915 mm X 1524 mm)

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



#### 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

Main lighting, recessed in the ceiling, with two (2) Del dome lights 120vac and one (1) emergency light 12vcc

#### Cabin lighting

Anodized aluminium with black rubber non-slip inserts or flat stainless-steel bar

#### Handrails

**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 lamicoid or stainless-steel plate

Push button for option – Open door

**LANDING CALL PANELS**

Call buttons at maintained pressure

Key selector "on/off"

Engraved lamicoid 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 Élevabec.

240V / 208V / 600V

Option: 24Vdc power batteries

120 / 1 / 60

Relay control JHA-1000 according to CAN/CSA-B355-19 norm

### 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	T89/B for elevator
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.