Experience the
non-proprietary advantage.

EDGE Series

Low Rise Commercial
Passenger Elevators

GMV North America

QUALITY BUILT VERTICAL TRANSPORTATION SYSTEMS

For the past 60 years GMV has led the elevator world in the development and manufacture of hydraulic vertical transportation systems, with over 1 million installations worldwide. The EDGE drive delivers a smooth and quiet ride with seamless transitions from start, acceleration to full speed and deceleration to stop. The simple but impressive drive features are what makes the EDGE's remarkable ride quality possible.

Other features such as the CSA-approved, pressure compensated control valve, vented reservoir, CSA-approved submersible motor and the 3-spindle efficient screw pump are just some of the reasons the EDGE is such an exceptional elevator and the ideal choice for buildings up to four floors.

PRODUCT DESCRIPTION

The EDGE series non-proprietary, commercial passenger elevators offer the simplicity of design, proven reliability, and low total cost of ownership that architects, building owners and elevator companies expect in a low-rise hydraulic elevator.

The EDGE series elevators have grown to be the elevator of choice for most architects when designing low rise commercial buildings.

The EDGE offers an assortment of design layouts and finishes to suit any building configuration and interior décor using rugged materials to provide a long service life.

360 CONTROLLER

Our non-proprietary, micro control system with on-board diagnosis provides the building owner with peace of mind knowing that any elevator company can maintain the elevator. The 360 Controller meets, or exceeds, all necessary compliance to the ASME A17.1/CSA B44 elevator code. After over 20 years, the 360 Controller is now recognized as a workhorse in the elevator industry.

GMV VICTORY DOORS

The GMV EDGE series 2-speed side opening is a lightweight, high strength and fire-rated landing entrance. This CSA approved door operator will provide many years of uninterrupted operation. The efficient 2-speed entrance provides quick and easy entry and exit from the elevator, superior to the single speed door utilized by many other companies. Entrances are available in brushed stainless steel and powder coated beige, with painting on site an option. The code compliant 1 ½ hour UL fire rated landing entrance and CSA approved, closed loop, 24 VDC Drive delivers adjustable soft stops, and starts, opening speed and closing speed. GMV has named this exceptional product Victory.

GLOCAL – A GLOBAL COMPANY WITH A LOCAL SMILE

GMV is the world's leading supplier of elevator systems with local representation through the largest elevator company network – ***The Independent Elevator Industry***. The independent elevator companies provide local support, installing, servicing, and maintaining elevators.

This local connection to independent elevator companies in each community provides the valuable link that makes GLOCAL possible. Global supply, locally supported.

Our Advantage Partners install only non-proprietary elevators supporting the local building owners or building management company to obtain the most competitive maintenance contracts and service in the local markets. This competitive environment breeds superior customer service and competitive pricing.

GMV's Advantage Partner online portal is able to provide product information, technical specifications, layout drawings, installation and maintenance support resources instantly.

TECHNOLOGY BRIEF

The EDGE elevator is a hole-less hydraulic system that does not require a borehole below ground to accommodate the hydraulic jack. The elimination of the borehole below ground greatly reduces the potential of unknown problems, greater expense, and environmental issues.

The mechanically synchronized dual-jack arrangement, 3010 Series valve and the microprocessor-based controller provides the ultimate in ride quality, safety, and reliability.

The design of this elevator and the materials supplied by GMV comply with the ASME 17.1 and CSA B44 elevator codes for North America.

ON-TIME DELIVERY

GMV has made **On-Time Delivery** of the elevator to the end user a priority by addressing all factors that could impact this critical milestone:

a. All equipment including pre-wired harnesses are tested prior to delivery to site. This eliminates trouble shooting on site during installation and inspection by authorities in your jurisdiction.

b. Efficient and controlled install times are the hallmark of the EDGE series elevators, unmatched in the elevator industry.

c. All EDGE series non-proprietary elevators are equipped with a pre-manufactured wiring system that have been tested prior to delivery to site. This "speed wiring system" provides the elevator installation crew an efficient and trouble-free connection to all equipment from the controller. Our trouble-free wiring system is a key factor in On-Time Delivery to the end user.

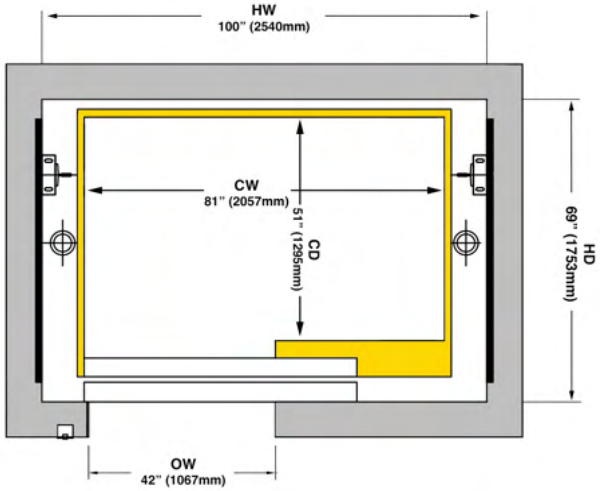
d. Many other tools are provided to simplify installation, and provide On-Time Delivery to our clients.

e. A 100% Complete elevator package delivered to site includes all parts, hardware, fittings, and fixtures, in one shipment. This eliminates the need for any off-site runs to the local hardware store or factory deliveries for missing components.

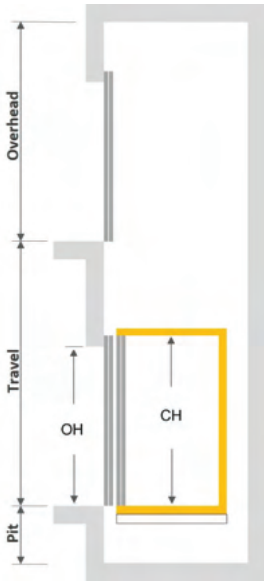
Every component needed for a problem-free installation is part of the 100% Complete package – down to the last nut and bolt. Nothing has been forgotten.

The President of GMV mandated the 100% Complete format as a way to eliminate the on-site frustration experienced by our customers with competitors packages.

FRONT ONLY (INLINE) SPECIFICATIONS - STANDARD CAB



LH SHOWN



HOISTWAY SHOWN

	NOMINAL CAB CLEAR INSIDE			ENTRANCE CLEAR OPENING		HOISTWAY	
Capacity (Duty Load) lbs (kg)	CW ft-in (mm)	CD ft-in (mm)	CH ft-in (mm)	OW ft-in (mm)	OH ft-in (mm)	HW ft-in (mm)	HD ft-in (mm)
2100 (953)	5′-8 ½″ (1740)	4′-3″ (1295)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	7′-4″ (2235)	5′-9″ (1753)
2500 (1134)	6′-9″ (2057)	4′-3″ (1295)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	8′-4″ (2540)	5′-9″ (1753)
3000 (1361)	6′-9″ (2057)	4′-9″ (1448)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	8′-4″ (2540)	6′-3″ (1905)
3500 (1588)	6′-9″ (2057)	5′-5″ (1651)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	8′-4″ (2540)	6′-11″ (2108)

Nominal Speed[1] ft/min (m/s)	Pit[2] in (mm)	Travel ft/(mm)	Overhead[3] in (mm)
100 (0.50) or 125 (0.62)	60″ (1525)	50′ (15240)	150″ (3810)

1 Other speeds available upon request.
2 For Ontario minimum pit depth shall be 60″ (1525 mm). For all other Provinces and States minimum pit depth shall be 48″ (1220 mm).
3 Overhead requirements may change based on a number of factors. Please speak to your sales representative.

Please note: All dimensions are subject to change.

FRONT ONLY (INLINE) SPECIFICATIONS - DEEP CAB

	NOMINAL CAB CLEAR INSIDE			ENTRANCE CLEAR OPENING		HOISTWAY	
Capacity (Duty Load) lbs (kg)	CW ft-in (mm)	CD ft-in (mm)	CH ft-in (mm)	OW ft-in (mm)	OH ft-in (mm)	HW ft-in (mm)	HD ft-in (mm)
2300 (1043)	4′-6″ (1372)	5′-8″ (1727)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	6′-6″ (1981)	7′-6″ (2286)
2890 (1311)	4′-10 ½″ (1486)	6′-8″ (2032)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	6′-8″ (2032)	8′-6″ (2591)
3500 (1588)	5′-8 ½″ (1740)	6′-8″ (2032)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	7′-4 ½″ (2248)	8′-6″ (2591)
4000 (1814)	5′-8 ½″ (1740)	7′-9″ (2362)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	7′-7″ (2311)	9′-7″ (2921)

Nominal Speed[1] ft/min (m/s)	Pit[2] in (mm)	Travel ft/(mm)	Overhead[3] in (mm)
100 (0.50) or 125 (0.62)	60″ (1525)	50′ (15240)	150″ (3810)

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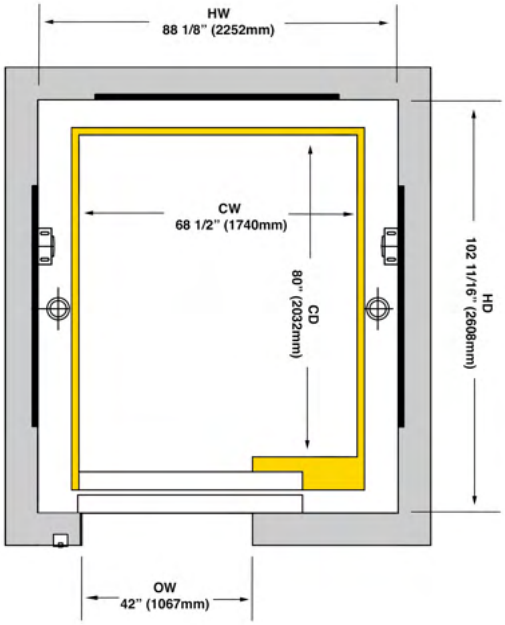
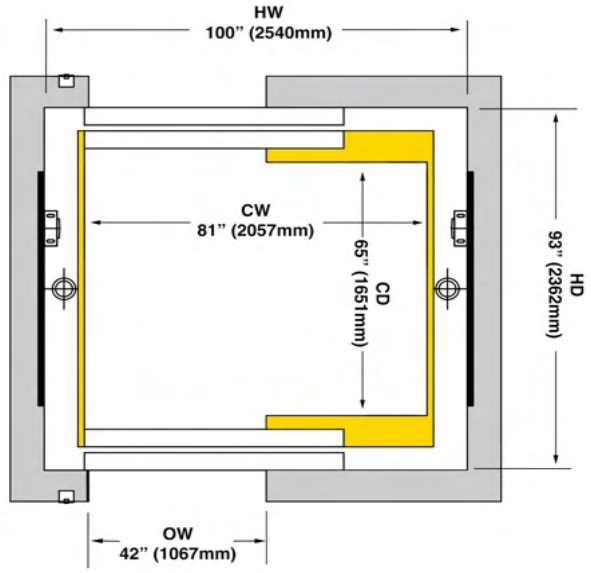
LH SHOWN



FRONT & REAR (THRU-CAB) SPECIFICATIONS - STANDARD CAB



LH SHOWN

	NOMINAL CAB CLEAR INSIDE			ENTRANCE CLEAR OPENING		HOISTWAY	
Capacity (Duty Load) lbs (kg)	CW ft-in (mm)	CD ft-in (mm)	CH ft-in (mm)	OW ft-in (mm)	OH ft-in (mm)	HW ft-in (mm)	HD ft-in (mm)
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3000 (1361)	6′-9″ (2057)	4′-9″ (1448)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	8′-4″ (2540)	6′-3″ (1905)
3500 (1588)	6′-9″ (2057)	5′-5″ (1651)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	8′-4″ (2540)	6′-11″ (2108)

Nominal Speed[1] ft/min (m/s)	Pit[2] in (mm)	Travel ft/(mm)	Overhead[3] in (mm)
100 (0.50) or 125 (0.62)	60″ (1525)	50′ (15240)	150″ (3810)

1 Other speeds available upon request.
2 For Ontario minimum pit depth shall be 60″ (1525 mm). For all other Provinces and States minimum pit depth shall be 48″ (1220 mm).
3 Overhead requirements may change based on a number of factors. Please speak to your sales representative.

Please note: All dimensions are subject to change.

FRONT & REAR (THRU-CAB) SPECIFICATIONS - DEEP CAB

	NOMINAL CAB CLEAR INSIDE			ENTRANCE CLEAR OPENING		HOISTWAY	
Capacity (Duty Load) lbs (kg)	CW ft-in (mm)	CD ft-in (mm)	CH ft-in (mm)	OW ft-in (mm)	OH ft-in (mm)	HW ft-in (mm)	HD ft-in (mm)
2300 (1043)	4′-6″ (1372)	5′-8″ (1727)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	6′-6″ (1981)	7′-6″ (2286)
2890 (1311)	4′-10 ½″ (1486)	6′-8″ (2032)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	6′-8″ (2032)	8′-6″ (2591)
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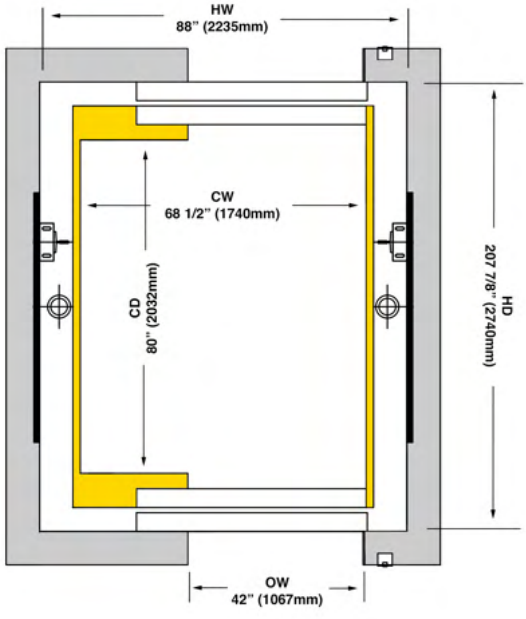
4000 (1814)	5′-8 ½″ (1740)	7′-9″ (2362)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	7′-7″ (2311)	9′-7″ (2921)

Nominal Speed[1] ft/min (m/s)	Pit[2] in (mm)	Travel ft/(mm)	Overhead[3] in (mm)
100 (0.50) or 125 (0.62)	60″ (1525)	50′ (15240)	150″ (3810)

1 Other speeds available upon request.
2 For Ontario minimum pit depth shall be 60″ (1525 mm). For all other Provinces and States minimum pit depth shall be 48″ (1220 mm).
3 Overhead requirements may change based on a number of factors. Please speak to your sales representative.

Please note: All dimensions are subject to change.

RH SHOWN



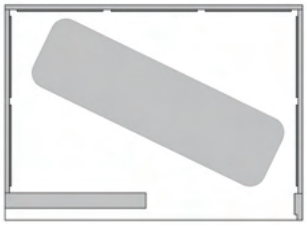
STRETCHER COMPATIBLE MRL TRACTION ELEVATORS AND HYDRAULIC ELEVATORS

GMV has both machine room less and hydraulic elevators that meet stretcher requirements.

The International Building Code specifies that any building "four or more stories above, or four or more stories below grade plane" shall have at least one elevator car that is able to accommodate a standard 24" x 84"* (610 mm x 2134 mm) ambulance stretcher in the open, horizontal position.

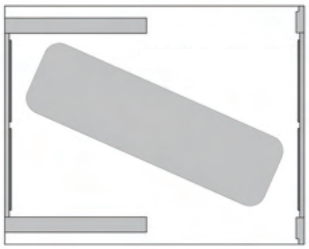
Some GMV EDGE series hydraulic passenger elevator cabs and GMV ICON series MRL traction elevator cabs meet the International Building Code stretcher requirements.

**Different codes may be applicable in Florida and other jurisdications.*



Front Only (Inline) - Standard

Front Only (Inline) - Deep



Front and Rear (Thru-Cab) - Standard

Front and Rear (Thru-Cab) - Deep

Capacity lbs	Type	Opening Side	Door Width	IBC Stretcher (84")	OBC Stretcher (79")	FL Stretcher (76")
2100	STANDARD	Side	42"	N	N	N
2500		Side	42"	N	Y	Y
3000		Side	42"	Y (Angle)	Y	Y
3500		Side	42"	Y (Angle)	Y	Y
2300	DEEP	Side	42"	N	N	Y (Angle)
2890		Side	42"	Y	Y	Y
3500		Side	42"	Y	Y	Y
4000		Side	42"	Y	Y	Y
4000		Side	48"	Y	Y	Y

ARCHITECTURAL CAB FINISHES AND FIXTURE FINISHES

GMV offers a wide range of cab interior plastic laminate finish hang-on panels that can be easily changed in the event they are ever damaged.

These fire-rated panels are available in the listed plastic laminate finishes and are accented by either stainless steel or black reveals for an architecturally appealing cab design.

The cab and hall fixtures are available in brushed stainless steel with red illuminated bezels framing the buttons. Brushed stainless steel flat or round handrails are offered.

CAB INTERIORS

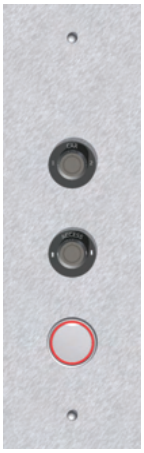
HAND RAILS

Flat

Round

CONTROL OPERATING PANEL (COP)

HALL FIXTURE



LAMINATE OPTIONS

Blackened Legno

Bubble Art

Cherry Heartwood

Fox Teakwood

Maple Woodline

Mouse

Natural Ash

Natural Birch

Natural Teak

Neutral Twill

Pecan Woodline

Portico Marble

Storm Teakwood

Wild Cherry

EDGE SERIES PRODUCT SPECIFICATION

Complete Elevator Package is Non-Proprietary

GENERAL SPECIFICATION

Elevator Type: Holeless twin 1:1 direct acting hydraulic
Drive: Standard submersible power unit
Capacity (Duty Load): Standard cab: 2100 lb (953 kg)
2500 lb (1134 kg)
3000 lb (1361 kg)
500 lb (1588 kg)
Capacity (Duty Load): Deep cab: 2300 lb (1043 kg)
2890 lb (1311 kg)
500 lb (1588 kg)
4000 lb (1814 kg)
Nominal Speed*: 100 ft/min (0.50 m/s)
125 ft/min (0.62 m/s)
Max. Travel**: Max 50' (15240 mm)
Floors Served: Up to 7

CAB CLEAR INSIDE (NOMINAL)

For W & D please see Page 5 - 8

Available Arrangements

Front entrance
Front and rear entrance

STANDARD CAB FEATURES

Cab Walls: Fire-rated plastic Formica laminate hang on panels
Cab Reveals: Black or brushed stainless steel
Cab Ceiling: Brushed stainless steel
Cab Lighting: Diffuser with LED fluorescent or six 6 panel stainless steel with six LED pot lights
Cab Operating Panel (COP): Brushed stainless steel
Cab Indicator: Directional arrows on car entrance strike jamb
Telephone: Hands free programmable speaker phone
Handrail: 1 3/8" (35 mm) x 2" (50 mm) brushed stainless steel or 1½" (38 mm) round brushed stainless steel
Cab Doors: 42" x 84" (1065 mm x 2150 mm)
Two speed or three speed fully automatic sliding doors
Brushed stainless steel or powder coated beige

STANDARD LANDING FEATURES

Landing Entrance: 42" (1065 mm) x 84" (2150 mm)
Brushed stainless steel or powder coated beige
Landing Hall Stations: Flat plate push button plate brushed stainless steel

MECHANICAL EQUIPMENT

Guide Rails: T89B
Car Frame: 201 Twin Direct Car Frame
Drive: Standard submersible power unit
Motor/Pump: Submersible for quiet operation
Jacks: Single stage mechanically synchronized and telescopic

STANDARD SAFETY FEATURES

Emergency Power: Battery backup during power outage
Emergency Lowering: Automatic lowering and emergency lighting during power outage
Automatic Door Interlocks: CSA/UL approved hoistway door interlocks
Door Restrictor: Mechanical restrictor prevents cab door opening when car not at landing
Line Rupture Valve (LRV): Flow control safety valve
Auto Relevel (anti creep): Car will relevel to floor if not level with landing
Door Detector: Micro scan motion detectors prevent doors from closing on passengers entering or exiting car
Car Top Inspection Station

CONTROLS

Non-proprietary!
Elevator Controller: CSA-approved micro controller
Wiring: Plug and Play
Fully factory tested

ELEVATOR CONSTUCTION REQUIREMENTS

Elevator Hoistway (Shaft) Requirements

Pit Depth: For Ontario minimum pit depth shall be 60" (1525 mm)
For all other Provinces and States minimum pit depth shall be 48" (1220 mm)
Overhead***: 150" (3810 mm) minimum.

Construction Drawings

Drawings provided to General Contractor
Cab floor to be finished by others.

**Speed: Actual speed will change depending on jacks used and pump flow. Job specific data will reflect accurate speed.*

***Max Travel: Maximum travels may change slightly as elevator speed changes.*

****Overhead requirements may change based on a number of factors. Please contact your sales representative.*

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