Experience the
non-proprietary advantage.

BOSS Series

Limited Use Limited Application (LULA)
Passenger Elevators

GMV North America

QUALITY BUILT VERTICAL TRANSPORTATION SYSTEMS

Over the past 60 years GMV has lead the elevator world in the development and manufacture of hydraulic vertical transportation elevator systems. With over 850,000 installations worldwide, GMV works with the independent elevator and construction industry at large, providing on-time delivery of non-proprietary vertical transportation systems. The BOSS series is your best choice for adding access to your two or three floor building without deep pit or overhead issues.

COMPLETE SYSTEM NON-PROPRIETARY

There is a misconception that non-proprietary is a requirement of just the controller. This is not correct. The complete elevator system needs to be non-proprietary, like the BOSS.

BOSS DRIVE

The BOSS 1:1 direct drive eliminates ropes and safeties required for 2:1 Rope Hydraulic Systems. No more instantaneous or periodic safety tests.

360 CONTROLLER - THE WORKHORSE

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 CSA-approved controller meets, or exceeds, all necessary compliance to the ASME A17.1/CSA B44 elevator code.

For more than 20 years the 360 Controller has proven to be the workhorse of the elevator industry.

GMV VICTORY DOORS

The GMV BOSS featured one of the most advanced 2-speed entrances:

- 1 1/2 hour fire rated.
- Lightweight and high strength.
- Easy entry and exit for the passenger.
- Faster than the single speed entrance.

The slow moving single speed entrance typically used in the North American elevator market is coming to an end.

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 – our Advantage Partners – 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.

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 practically eliminates trouble shooting on-site during the installation of the elevator and during pre-inspection prior to inspection by Authorities Having Jurisdiction (AHJ).

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

c. All BOSS series non-proprietary elevators are equipped with with a pre-manufactured wiring system that has been tested prior to delivery to site.

d. Pre-manufactured piping from the BOSS drive to the piston (jack) are key another key to On-Time Delivery. The pre-manufactured and cleaned "speed piping system" provides the elevator installation crew a precise piping system. This eliminates all pipe manufacturing on site, a common requirement with other hydraulic elevator systems.

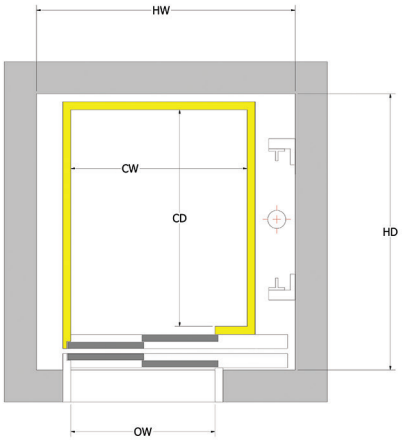
e. Many other tools are provided to simply installation and provide On-Time Delivery to our clients.

f. 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.

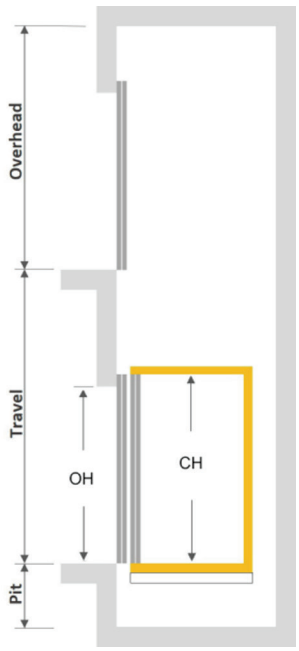
Every component needed for a problem-free installation is part of the 100% Complete package - down to the last nut and bolt. We even include the oil. Nothing has been forgotten.

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

FRONT (INLINE) SPECIFICATIONS



LH SHOWN



HOISTWAY SHOWN

CAB TYPE	NOMINAL CAB CLEAR INSIDE			ENTRANCE CLEAR OPENING		HOISTWAY	
	CD ft-in (mm)	CW ft-in (mm)	CH ft-in (mm)	OW ft-in (mm)	OH ft-in (mm)	HW ft-in (mm)	HD ft-in (mm)
Type 1 42 x 60	3′-6″ (1067)	5′-0″ (1524)	7′-0″ (2150)	3′-0″ (915)	7′-0″ (2150)	5′-6″ (1676)	6′-3″ (1905)
Type 2 48 x 54	4′-0″ (1219)	4′-6″ (1372)	7′-0″ (2150)	3′-0″ (915)	7′-0″ (2150)	6′-0″ (1829)	5′-9″ (1753)

Please note: All dimensions are subject to change.

Capacity (Duty Load) lbs (kg)	Nominal Speed ft/min (m/s)	Pit Min. in (mm)	Pit Max in (mm)	Max. Travel[1] ft/(m)	Overhead[2] Existing Buildings in (mm)
1400 (636)	30′ (0.15)	16″ (406)	36″ (915)	25′ (7.620)	120″ (3048)

1. Greater travel possible in some jurisdictions but not recommended due to the slow speed. Please contact your sales representative or local GMV Advantage Partner.

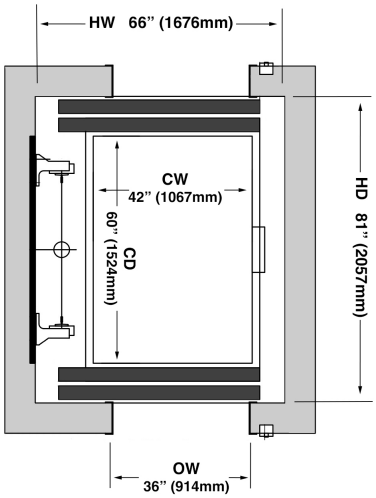
2. Overhead requirements may change based on a number of factors. Please contact your sales representative or local GMV Advantage Partner.

Please note: All dimensions are subject to change.

FRONT & REAR (THRU-CAB) SPECIFICATIONS

CAB TYPE	NOMINAL CAB CLEAR INSIDE			ENTRANCE CLEAR OPENING		HOISTWAY	
	CD ft-in (mm)	CW ft-in (mm)	CH ft-in (mm)	OW ft-in (mm)	OH ft-in (mm)	HW ft-in (mm)	HD ft-in (mm)
Type 1 42 x 60	3′-6″ (1067)	5′-0″ (1524)	7′-0″ (2150)	3′-0″ (915)	7′-0″ (2150)	5′-6″ (1676)	6′-9″ (2057)
Type 2 48 x 54	4′-0″ (1219)	4′-6″ (1372)	7′-0″ (2150)	3′-0″ (915)	7′-0″ (2150)	6′-0″ (1829)	6′-3″ (1905)

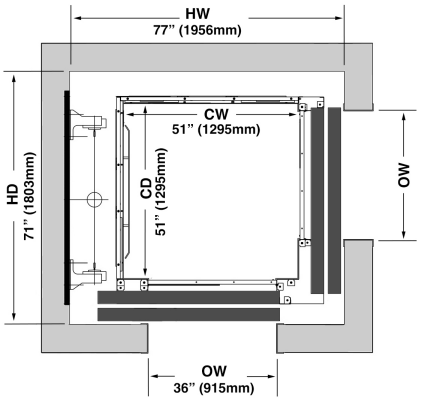
Please note: All dimensions are subject to change.



FRONT & SIDE (90 DEGREE) SPECIFICATIONS

CAB TYPE	NOMINAL CAB CLEAR INSIDE			ENTRANCE CLEAR OPENING		HOISTWAY	
	CD ft-in (mm)	CW ft-in (mm)	CH ft-in (mm)	OW ft-in (mm)	OH ft-in (mm)	HW ft-in (mm)	HD ft-in (mm)
Type 1 42 x 60	4′-3″ (1295)	4′-3″ (1295)	7′-0″ (2150)	3′-0″ (915)	7′-0″ (2150)	6′-5″ (1956)	5′-11′ (1803)

Please note: All dimensions are subject to change.



Capacity (Duty Load) lbs (kg)	Nominal Speed ft/min (m/s)	Pit Min. in (mm)	Pit Max in (mm)	Max. Travel[1] ft/(m)	Overhead[2] Existing Buildings in (mm)
1400 (636)	30′ (0.15)	16″ (406)	36″ (915)	25′ (7.620)	120″ (3048)

1. Greater travel possible in some jurisdictions but not recommended due to the slow speed. Please contact your sales representative or local GMV Advantage Partner.

2. Overhead requirements may change based on a number of factors. Please contact your sales representative or local GMV Advantage Partner.

Please note: All dimensions are subject to change.

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.

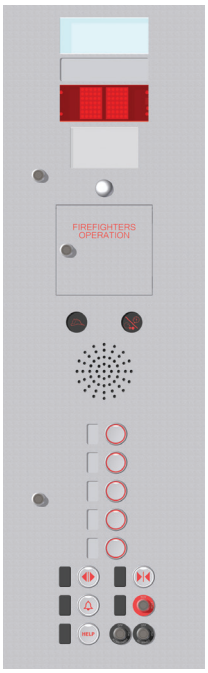
CAB INTERIORS

HAND RAILS

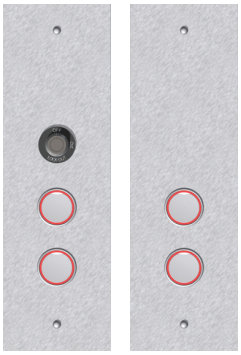
Flat

Round

CONTROL OPERATING PANEL (COP)



HALL FIXTURES



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

BOSS SERIES LULA ELEVATOR PRODUCT SPECIFICATION

Complete Elevator Package is Non-Proprietary

GENERAL SPECIFICATION

Elevator Type: 1:1 Direct acting hydraulic
Capacity (Duty Load): 1400 lb. (636 kg)
Gross Load: 3000 lb. (1360 kg)
Speed: 30 fpm (0.15 m/s)
Max. Travel: 25 ft (7.620 m) greater travel permitted in some jurisdictions
Max. Stops: 4 in line/6 front and rear or side

Available Arrangements

Front Entrance
Front and Rear Entrance
Front and Side Entrance

STANDARD CAB FEATURES

Cab Door Operator: CSA approved 24V DC drive
Cab Walls: Fire-rated plastic Formica laminate hang on panels
Cab Reveals: Black or
Brushed stainless steel
Cab Ceiling: Brushed stainless steel
Cab Lighting: 4 LED pot lights automatic ON/OFF
Cab Operating Panel (COP): Brushed stainless steel
Cab Indicator: Directional arrows on car entrance strike jamb
Telephone: Hands free programmable speakerphone
Handrail: 1 - Flat 3/8" (10mm) x 2" (50mm) brushed stainless steel *or*
1 - Round 2" diameter brushed stainless steel
Cab Doors: 36" (915 mm) x 84" (2150 mm)
Satin (brushed) stainless steel, two speed fully automatic sliding doors

STANDARD LANDING FEATURES

Landing Entrance: 36" (915 mm) x 84" (2150 mm)
Satin (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: Direct 701 cantilever
Drive: GMV Ultima CSA approved Ultima Power Unit
Pump – 3 spindle screw pump
Motor – 3 HP 208/230-volt single phase
Valve – 3010 2-speed
Motor/Pump: Submersible for quiet operation
Jack: GMV Mechanically synchronized telescopic

STANDARD SAFETY FEATURES

Emergency Power: Battery backup during power failure
Emergency Lowering: Manual emergency lowering
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: Prevents doors closing on passenger entering or exiting car
Car Top Inspection Station

CONTROLS

Non-Proprietary!
Elevator Controller: CSA/TSSA Approved micro-controller
Wiring: Plug and play
Fully factory tested

ELEVATOR CONSTRUCTION REQUIREMENTS

Elevator Hoistway (Shaft) Requirements

Pit Depth: 16" (406 mm) min 36" (915 mm) max.
Overhead*: 120" (3048mm) (Existing buildings)
140" (3556mm) (New buildings)
42 x 60 Car Hoistway 66" (1676 mm) x 75" (1905 mm)
48 x 54 Car Hoistway 72" (1829 mm) x 69" (1753mm)
51 x 51 Car Hoistway 77" (1956 mm) x 71" (1803 mm)

Power Requirements

Main Power: 208/230-volt single phase 30 amp
Cab Lighting: 110-volt single phase 15 amp

Construction Drawings

Drawings provided to General Contractor

**Overhead requirements may change based on a number of factors. Please speak to your sales representative or local GMV Advantage Partner.*

ASME A17.1/CSA B44 Compliant

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