



More than **8,10,000 lifts** worldwide
with **GMV** technology



GREEN LIFT TRACTION

MRL

www.gmv.it
www.gmv-india.co.in

4 GOOD REASONS TO CHOOSE GREEN LIFT TRACTION MRL

1

> HIGH QUALITY, which permits to extend the **WARRANTY PERIOD UP TO 10 YEARS***

GMV, with its heritage, competences and know-how, is sure of the quality of its products and is the only elevator manufacturer company that could offer **10 Years Warranty Extension**.

2

> **CONFORT AND ENERGY EFFICIENCY**

Smooth Acceleration and deceleration, floor levelling and low vibrations, thanks to VVVF encoder control.

Reduced energy consumption, thanks to:

- Gearless machine with permanent magnets
- LED lightning with standby function (reduced consumption up 75% and 10 times extended duration compared to traditional lights)

3

> **REDUCED SHAFT DIMENSION WITH NO PROJECT LIMIT**

- No machine Room
- Short-Pit and Short-Headroom version available

4

> **SAFETY**

- Manual Emergency Electric Operation carried out with Power Supply
- Automatic Emergency Electric Operation: back to main floor and doors opening with Power failure, with Main Switch ON (black-out)
- Manual Emergency Electric Operation could be done during Power Failure, with Main Switch OFF
- Emergency Operation with Motor Management (optional)
- Fire Resistance Doors, according to EN 81.58, E60 - E120 - EI30 - EI60 - EI90 - EI120

* Condition Apply





> **GREEN LIFT TRACTION MRL
ADVANTAGES:**

- **COMPETITIVE PRICE**
compared to electric elevators machine room less (MRL)
- **NO DOWNFORCES ON BUILDING STRUCTURE**
thanks to machine positioning, on top of guide rails, that drives forces down to the pit
- **DESIGN AND CAR FINISHES**
wide range of colours and materials choice available for car and doors finishes, to better integrate the elevator into the architectural context of the building
- **EASY REPERIBLE SPARE PARTS**
Technical information, spare parts, technical tools required for its maintenance and programming are readily available from the manufacturer at the right price
- **LOW INSTALLATION COSTS**
- **RELIABLE MAINTENANCE SERVICE**

WARRANTY EXTENSION TO 10 YEARS guarantees Lifts quality - because warranty means quality - and the assurance of spare parts availability for 10 Years. It ensures also high efficiency and cost restriction.

TMC CABIN

(Tailor Made Cabin)

> **GMV lifts** got a tailor-made cabin, customizable, solid and light, ideal for low energy consumption lifts. Simplified assembly. Cabin walls, as well as car fixtures, could be customized on owners' desires and are easily **replaceable** allowing fast restyling. Cabins with **panoramic walls** are available. We can supply doors w/o door jambs, to allow maximum freedom in the realization of the entrances.

CEILING

Stainless Steel with LED lights (spotlight or ceiling light).

STRUCTURE AND ANGULARS

Made of pre-painted (polimod) dark gray (code 205) or stainless steel scotch brite (code 301).

DOORS

Pre-painted or stainless steel or glass car and landing doors, with the same choice of colours and finishes available for cabin walls, see page 5. Fire resistance doors according to EN 81.58, E60 - E120 - E130 - E160 - E190 - E120. Possibility of slim sill.

FIXTURES

It's possible to choose between standard solution, black panel with or without TFT display (5,00" in cabin and 2,8" on landing floors) or Stainless Steel panel, surface, with or without LCD display (5.25" in cabin and 2.8" on landing floors).

HANDRAIL

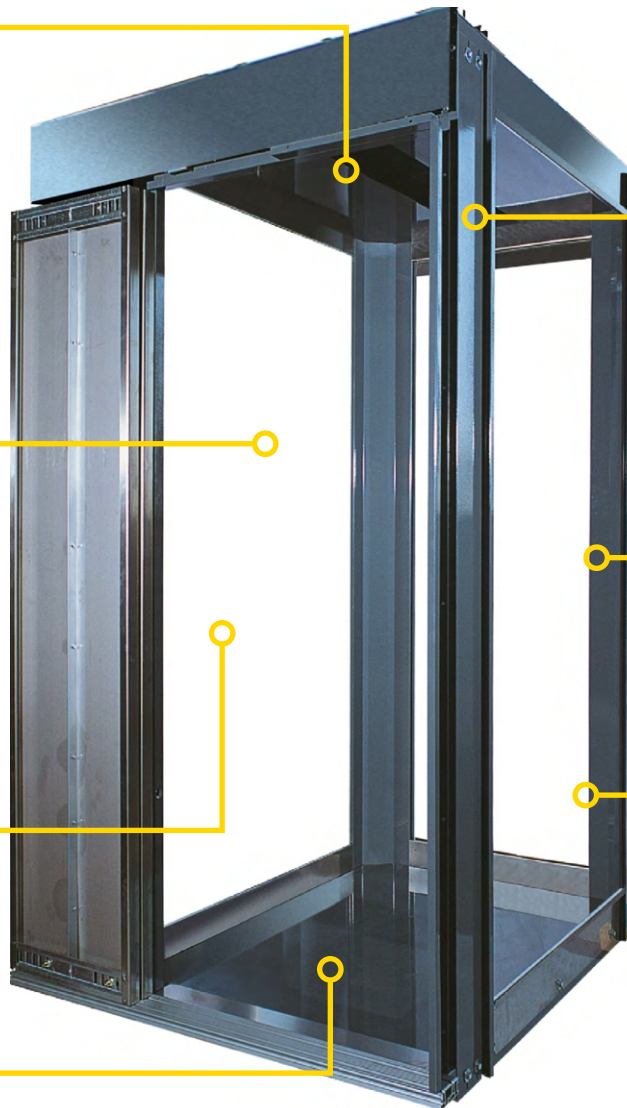
Stainless Steel Ø 30mm according EN 81.70.

FLOOR

PVC anti-slip or rubber stamp.

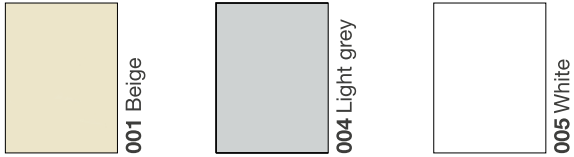
CABIN WALLS

It's possible to choose between standard solutions, described on page 5, or a wide range of combination of colours and materials, such as Plastic Laminate, Stainless Steel and Glass..

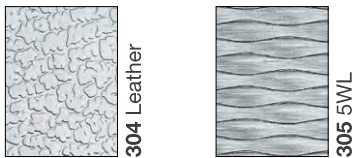
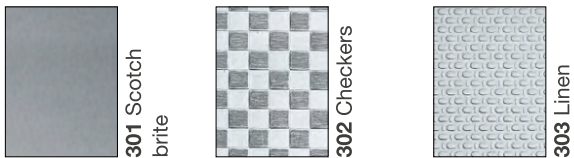


Cabin walls ▲
 Car doors ■
 Landing doors ●

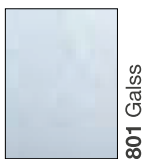
FACED ▲



STAINLESS STEEL ▲ ■ ●



GLASS ▲ ■ ●



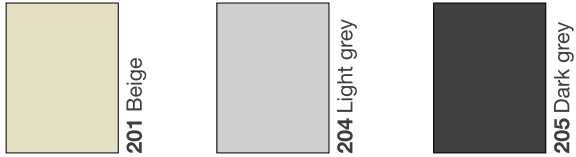
Floor coatings

PVC

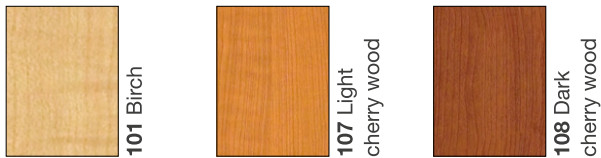
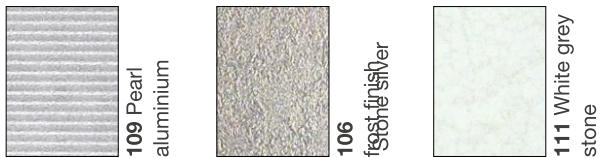
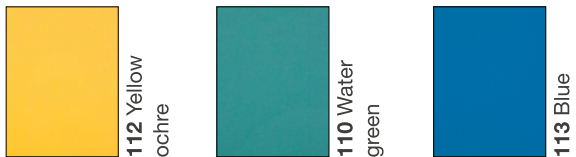


TMC CABIN
 COLORS & MATERIALS

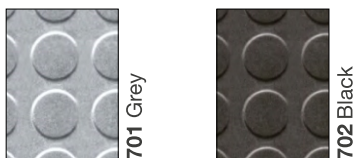
PRE-PAINTED SHEET METAL (Polimod) ▲ ■ ●

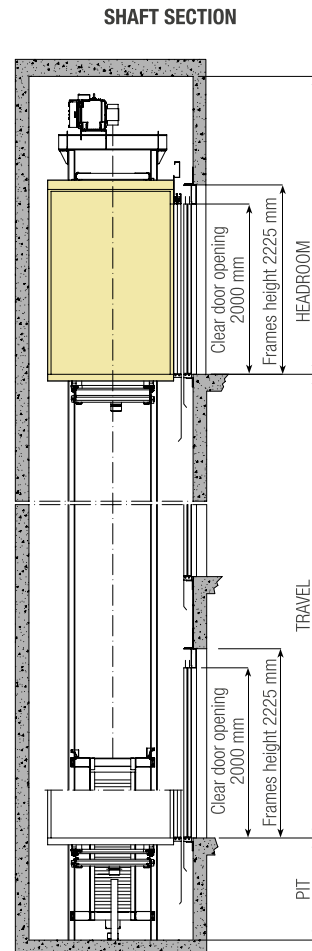
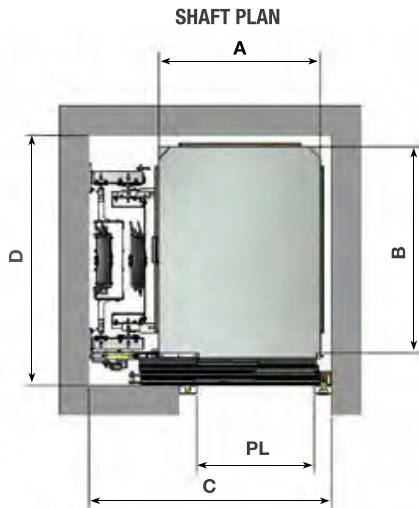


PLASTIC LAMINATED ▲



DOTTED RUBBER





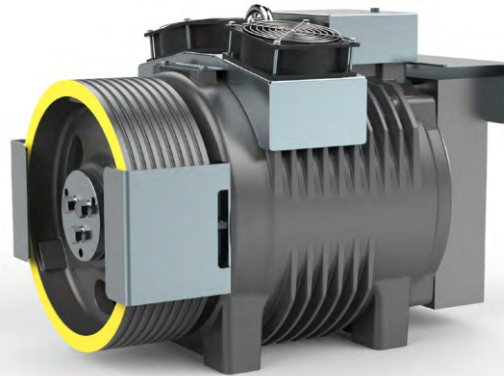
Speed (m/s)	1	
Max number of stops / services	12/24	
Max car travel (m)	33	
Min. headroom (mm)	Standard	3400/3800
	Reduce	2500
Min. pit (mm)	Standard	1000
	Reduce	600

Notes: Non-contractual information subject to conditions of use. Capacity up to 630kg and door openings up to 850mm, standard headroom is 3400mm. Capacity more than 630kg and/or door openings 900/1000mm standard headroom is 3800mm.

STANDARD DIMENSIONS

Payload [kg]	No. of passengers	Car dimensions [mm]		Entrances [No.]	Clear door opening [mm]	Min. shaft dimensions with doors opening at side [mm]	
		A	B		PL	C	D
350	4	800	1200	1	750	1350	1550
450	6	950	1300	1	800/850	1500	1650
				2 opposite	900	1550	1650
					800/850	1500	1840
				900	1550	1840	
		1000 (*)	1250 (*)	1	800/850	1550	1600
				2 opposite	900	1550	1600
					800/850	1550	1790
				900	1550	1790	
		1000 (*)	1300 (*)	1	800/850	1550	1650
				2 opposite	900	1550	1650
					800/850	1550	1840
				900	1550	1840	
630	8	1100 (*)	1400 (*)	1	800/900	1650	1750
				2 opposite	800/900	1650	1940
900	12	1400 (*)	1500 (*)	1	900/1000	1950	1850
				2 opposite	900/1000	1950	2040
1000	13	1100 (*)	2110 (*)	1	900/1000	1650/1750	2450
				2 opposite	900/1000	1650/1750	2650

Notes: Non-contractual information subject to conditions of use. Shaft dimensions refer to orthogonal spaces. The measures listed in the table are approximate. For feasibility of any solution, not present in the table, please contact GMV Sales Office. Minimum shaft width for lifts in accordance with EN 81.21 may vary slightly with respect to the standard indicated in the table. The cabin dimensions shown in the table with an asterisk are in accordance with EN 81.70. For any cabin dimensions not shown in the table, please contact GMV Sales Office. For doors with central openings, please contact GMV sales office. For adjacent (90°) openings, please contact GMV sales office.



TECHNICAL FEATURES

Drive	Traction
Machine	Gearless with permanent magnet synchronous motor
Description	MRL Elevator, with machine installed on top of the guide rails: 1:1 standard pit and headroom for 350 - 450 - 630kg capacity 2:1 standard pit and headroom for 900 - 1000kg capacity 2:1 short-pit and short-headroom for 350 - 450 - 630 - 900 - 1000kg capacity
Machine room	Not Required
Intended use	Residential buildings, offices, hotels, public and private buildings
Conformity to Directives and Standards	Lift Directive 2014/33/UE; Electromagnet Compatibility Directive 2014/30/UE. Harmonized norm: EN 81.20 - EN 81.50 (Safety Rules for Elevators); EN 81.28 (Elevator Tele-alarm). On option: EN 81.70 (Architectural Barriers Removal); EN 81.58 (Fire Resistance Doors); EN 81.21 (Short-pit and/or short-headroom); EN 81.73 (Safety rules in case of fire presence)
Safety components	<ul style="list-style-type: none"> • Safety gear with descent one-direction actuating mechanism. • A3 Certificated Brakes for ascent high-speed intervention.
Electric Components	<ul style="list-style-type: none"> • Control Panel, installed on side of one landing door. • Universal, collective down, collective up/down, duplex down, duplex up/down, triplex down, triplex up/down • Manual Emergency Electric Operation carried out with Power Supply • Automatic Emergency Electric Operation: back to main floor and doors opening with Power failure, with Main Switch ON (black-out) • Manual Emergency Electric Operation could be done during Power Failure, with Main Switch OFF • Emergency Operation with Motor Management (optional) • Pre-cabled Electric Lines – Plastic conduits included • Communication System according EN 81.28 • Motor Power 360V
Shaft type	Concrete / Brick / Metal structure



GMV INDIA PRIVATE LIMITED

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201, 2nd Floor – LEONARDO OFFICE,

Building type A,

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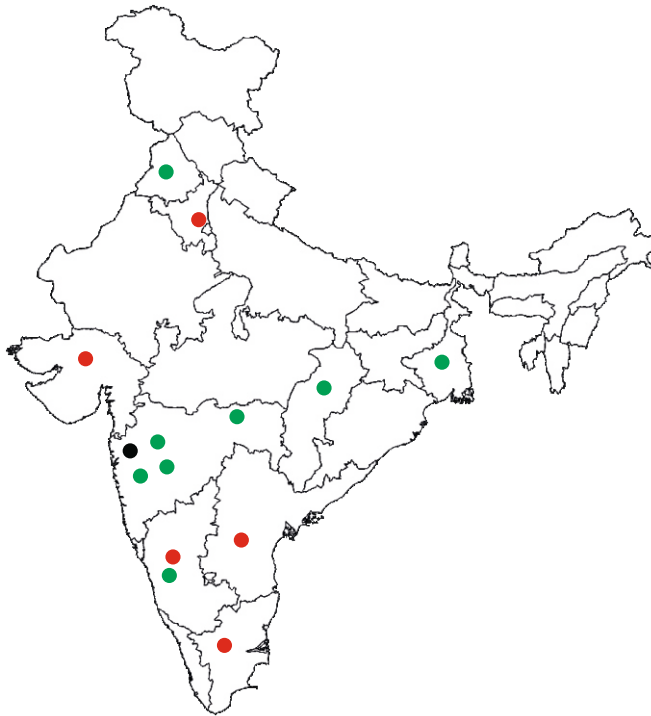
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For More details

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GMV's quality systems are certified. Furthermore, we have introduced the "6 sigma" concept as a total quality philosophy, up to the complete testing of the products.

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