



More than 800,000 lifts worldwide
with GMV technology



GREEN LIFT TRACTION MRL
OMEGA EVO SMART



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MAIN REASONS FOR CHOOSING GREEN LIFT TRACTION MRL OMEGA EVO SMART

1

REDUCED SHAFT DIMENSION WITH NO PROJECT LIMIT

- Less space required for the lift system
- MRL version available
- Available in version with reduced pit and/or headroom (EN 81.21)
- The best and advantageous alternative for the Standard compartments
- Explicitly designed for the Standard range

2

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 lift manufacturer company to offer the possibility to have a 10 years warranty extension, thanks to the "Non Proprietary" philosophy of elevators with "Open source" technology

3

SAFETY

- All the electrical equipment of GLT MRL Omega Evo SMART is located outside the shaft, housed in a specific cabinet on the top floor that can be easily accessed to perform maintenance, repair and emergency operations in complete safety
- Use of over speed governor with car parking anti-drift on the floor through which the A3 amendment is implemented: during parking on the floor, the car is "clinging" to the guides to guarantee a unique safety in the panorama of lifts
- In addition, all lifts are equipped with an emergency device that brings the car back to the floor and opens the doors in the event of a black-out

4

COMFORT AND ENERGY EFFICIENCY

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

Reduced energy consumption, thanks to:

- Macchina gearless
- LED lightning with standby function (reduced consumption up 75% and 10 times extended duration compared to traditional lights)





OTHER GREEN LIFT TRACTION MRL OMEGA EVO SMART ADVANTAGES:

- **HIGHLY COMPETITIVE PRICE**
within the range of MRL traction lifts
- **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**
The cabin walls, in the standard basic version are provided in **s.b. stainless steel**, a wide range of finishes is also available: plastic laminate and stainless steel.
- **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**
An innovative certified installation system is available that does not require the use of scaffolding
- **RELIABLE SERVICE**

WARRANTY EXTENSION TO 10 YEARS is assurance of the quality of the lift - because warranty means quality - and the assurance of having spare parts available for 10 years. It guarantees maximum efficiency and contained costs.

TECHNICAL SPECIFICATIONS

| | |
|---|--|
| Drive | Traction |
| Machine | Gearless |
| Description | <ul style="list-style-type: none"> • MRL lift with machine on top fixed to the guides with ring-shaped frame (with return pulleys at the bottom) for single entrance and opposite double entrance • Drive 2:1 • 350 – 450 – 630 – 900 – 1000 kg payloads (Omega Evo Classic version) 350 – 450 – 630 kg payloads (Omega Evo Extra Slim version) • Drive pulleys with 120 mm diameter • Use of 6.5 mm diameter polyurethane coated steel traction ropes • With counterweight alongside the car guide and counterweight pulley decentralised and placed on the same axis of symmetry as those of the car (GMV patent). |
| Machine room | Unnecessary |
| Intended use | Residential, offices, hotels, hospitals, public and private buildings |
| Conformity to Directives and Standards | <p>Lift Directive 2014/33/UE Electromagnet Compatibility Directive 2014/30/UE Harmonized Norm: EN 81.20/50:2014 (Safety Rules for Elevators) EN 81.28:2016 (Elevator Tele-alarm) On option: EN 81.70:2005 (Architectural Barriers Removal) EN 81.58:2018 (Fire Resistance Doors) EN 81.21:2009 (Short-pit and/or short-headroom) EN 81.73:2016 (Behavior of the lift in case of fire) EN 81.72 (fire-fighting lifts) with fire fighters maneuver</p> |
| Safety components | <ul style="list-style-type: none"> • Bidirectional progressive grip safety gear • A3 over speed governor with car parking anti-drift on the floor |
| Electric Components | <ul style="list-style-type: none"> • Control panel on the top floor • Control panel with VVVF variable frequency system • Collective descent maneuver or, optionally, collective ascent/descent maneuver, landing arrows excluded • Special maneuver: hospital, fireman, reserved • Pre-wired line, serial information to cabin • Encoder shaft information • Up to 1/2 doors with contemporary or selective aperture • UPS automatic rescue device with doors re-opening • EN 81.28 dialer • Telemetry with GSM interface (optional) |
| Counterweight | Side counterweight concrete/iron fulfilled |
| Schaft type | Concrete/Steel structure |

TMC CABIN

- > GMV Omega Evo SMART traction lifts, thanks to standardized carframe and cabin, are the optimal product for new systems and renovations, with elegant finishes.
The cabin is sturdy and light, ideal for low energy consumption lifts. Assembly is simplified. The cabin wall panels can be easily replaced, thus enabling simple and quick restyling.



Visit our
cabin virtual showroom
with a mobile phone,
tablet or 3D viewer.

Scan the
QRcode below
and immerse yourself
in the GMV world!



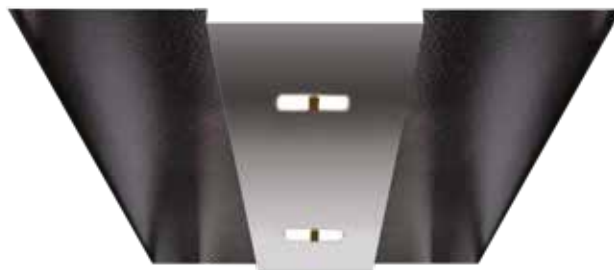


CEILING LIGHTS

Stainless steel ceiling with LED lighting in CLASSIC and BLADE* versions.



CLASSIC



BLADE

** BLADE version available from September 2021*

CABIN HANDRAIL

Handrail with black epoxy painted aluminium alloy connections. Stainless steel rod diam. 30 mm, compliant with EN 81.70.



BUTTONS

Polycarbonate button structure with embossed digits according to EN 81-70 and Braille. Blue crown lighting for cabin and floor buttons.



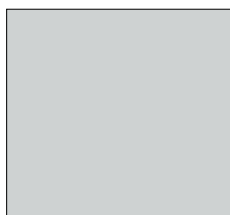
COLOURS & MATERIALS

CABIN WALLS

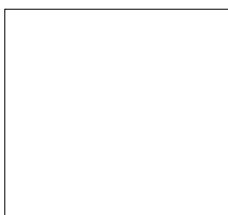
MELAMINE



001 BEIGE



004 LIGHT GREY



005 WHITE



006 CHERRY WOOD

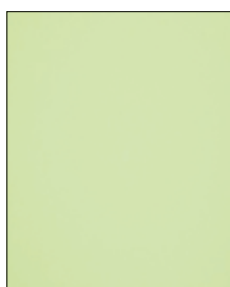


007 OAK

PLASTIC LAMINATE



113 BLUE
(Arpa 0566 R)



118 ACID GREEN
(Arpa 0660 R)



138 COLORADO YELLOW
(Arpa 0523 R)



139 ALPINE BEECH
(Arpa 1286 R)



142 WENGEL
(Arpa 4260 R)



143 NATURAL ZEBRANO
(Arpa 4390 R)

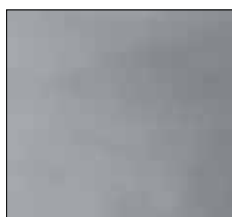


144 OAK
(Arpa 4512 ALV)



145 AMERICAN ASH
(Arpa 4521 R)

STAINLESS STEEL



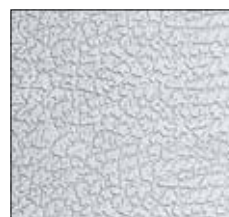
301 SCOTCH BRITE



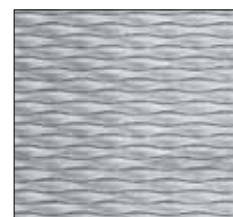
302 CHECKERS



303 LINEN



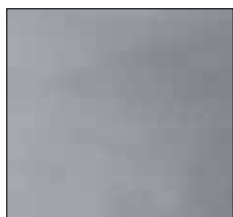
304 LEATHER



305 5WL

LANDING DOORS PANELS

STAINLESS STEEL



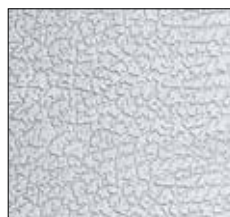
301 SCOTCH BRITE



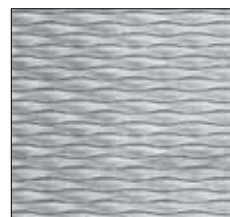
302 CHECKERS



303 LINEN

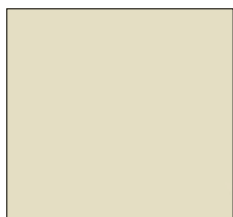


304 LEATHER

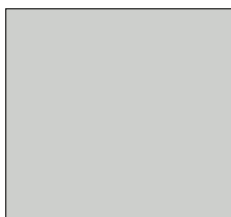


305 5WL

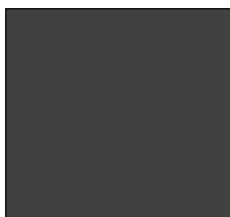
PRE-PAINTED METAL SHEET



201 BEIGE



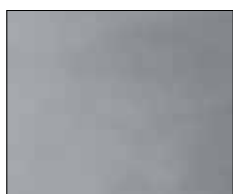
204 LIGHT GREY



205 DARK GREY

CABIN DOOR PANELS

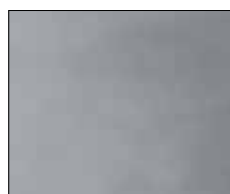
STAINLESS STEEL



301 SCOTCH BRITE

CABIN STRUCTURE AND ENTRANCE

STAINLESS STEEL



301 SCOTCH BRITE

FLOOR COATINGS

Possibility of predisposition of the cabin floor for finishes supplied by the customer.

PVC



514 LIGHT GREY



515 DARK GREY



BUTTON PANELS AND LANDING DOORS

FLOOR AND CAR BUTTON PANELS



- > LOP and COP have scotch brittle stainless steel finishing. LOP can be supplied with or without DOT MATRIX display.

LANDING DOORS



2 panels telescopic landing doors side opening

- > Landing doors and car doors are made of pre-painted sheet metal (polimod) or stainless steel, with the colours and finishes shown on page 9. They are easy to assemble and adjust and are silent thanks to wheels on ball bearings and with galvanised guides to avoid any paint residues. Fire doors available, tested according to EN 81-58, class EI 60 – EI 90 – EI 120.

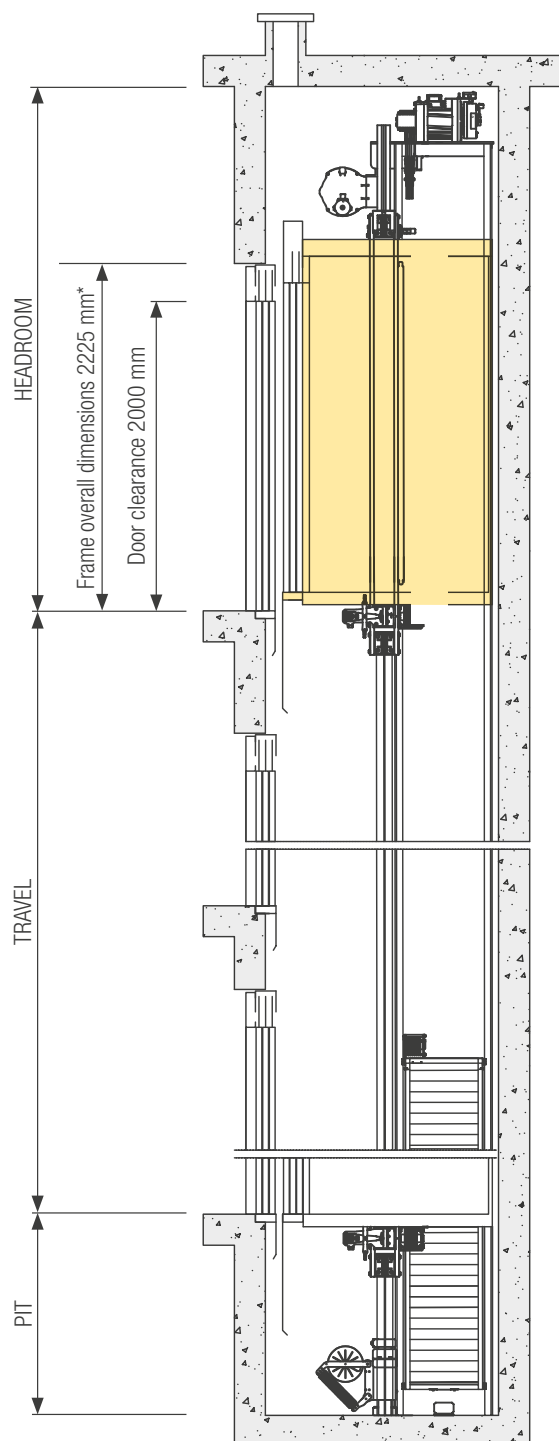




GLT OMEGA EVO SMART

- > 2:1 traction lift with counterweight positioned next to the cabin guide and decentralised counterweight pulley placed on the same axis of symmetry as those of the cabin (GMV patent).

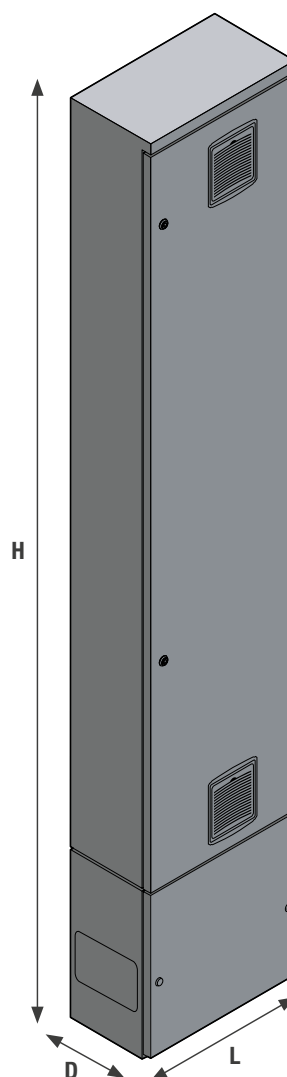
VERTICAL SHAFT SECTION



(*) On request, door clearance 2100 mm with frame overall dimensions 2325 mm

| | | | |
|-----------------------|----------|-------------------------|------|
| SPEED (m/s) | 1 | | |
| No. OF STOPS | 2 ÷ 12 | | |
| CABIN TRAVEL (m) | 3 ÷ 33 | | |
| MINIMUM HEADROOM (mm) | EN 81.20 | with standard TMC cabin | 3400 |
| | | with lowered TMC cabin | 3200 |
| MINIMUM PIT (mm) | EN 81.20 | with standard TMC cabin | 1000 |

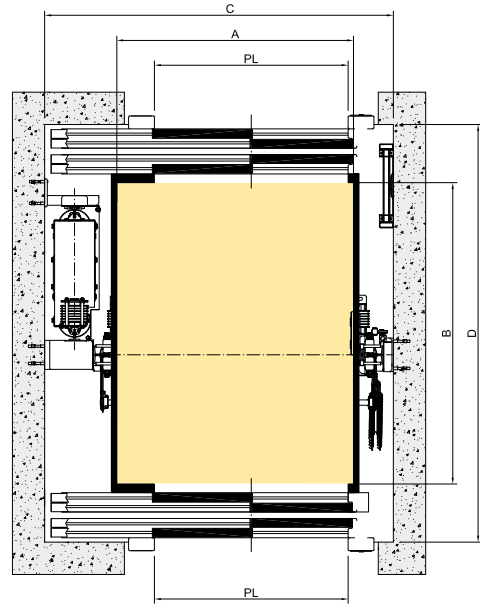
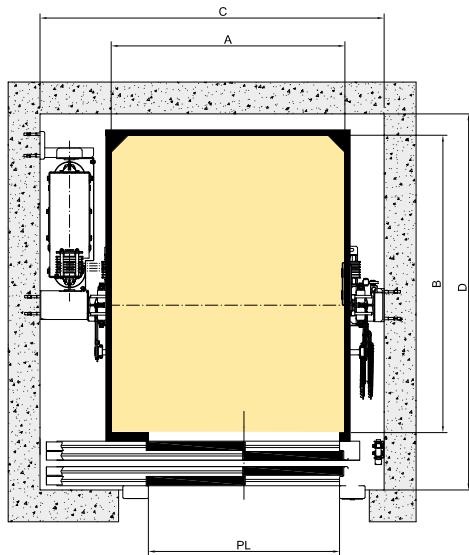
CONTROL PANEL CABINET



H = height 2210 mm
D = depth 280 mm
L = length 400 mm

Painted sheet metal gravel gray (RAL 7032) or coated stainless steel s.b. finishing

SHAFT PLANTS



DIMENSIONS WITH 2 PANELS LANDING DOORS SIDE OPENING

| Payload [kg] | No. of passengers | Cabin dimensions [mm] | | Entrances [No.] | Clear door opening [mm] | Min. shaft dimensions with 2 panels landing doors side opening [mm] | |
|-----------------|----------------------|--------------------------|-------|--------------------|----------------------------|--|------|
| | | A | B | | PL | C | D |
| 350 | 4 | 800 | 1200 | 1 | 750 | 1400 | 1550 |
| | | | | 2 opposite | 750 | 1400 | 1740 |
| 450 | 6 | 1000* | 1250* | 1 | 800 | 1500 | 1600 |
| | | | | 2 opposite | 800 | 1500 | 1790 |
| | | 1000* | 1300* | 1 | 800 | 1500 | 1650 |
| | | | | 2 opposite | 800 | 1500 | 1840 |
| 630 | 8 | 1100* | 1400* | 1 | 900 | 1610 | 1750 |
| | | | | 2 opposite | 900 | 1610 | 1940 |
| 900 | 12 | 1400* | 1500* | 1 | 900/1000 | 1910 | 1850 |
| | | | | 2 opposite | 900/1000 | 1910 | 2040 |
| 1000 | 13 | 1100* | 2110* | 1 | 900/1000 | 1610/1760 | 2450 |
| | | | | 2 opposite | 900/1000 | 1610/1760 | 2650 |

Non-contractual information subject to shaft conditions. The shaft dimensions refer to lead shafts. The measurements shown in the table are indicative. For any feasibility study, contact the GMV sales office.

Cabin dimensions indicated in the table with the symbol (*) comply with EN 81.70:2005 standard.



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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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