

GREEN LIFT TRACTION MRL OMEGA EVO

SMART | CLASSIC | EXTRA SLIM

1 million lifts worldwide with
GMV technology

10F24ENG00101



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1. MAIN REASONS FOR CHOOSING GREEN LIFT TRACTION MRL OMEGA EVO

1.1 HIGH QUALITY

GMV, with its know-how, is the only elevator manufacturing company to offer its market the possibility of extending the warranty up to 10 years, thanks to the **Non Proprietary** philosophy, that is, with open source technology. GMV electrical installations are tested for 1 million cycles (upward/downward inversion), so that their average use is greater than 10 years.

1.2 SAFETY

- › All electrical equipment in the GLT MRL line are 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.
- › Over speed governor with car parking anti-drift on the floor through which, during parking on the floor, the car is locked to the guides to guarantee greater safety.
- › GMV traction lifts have been designed with traction ropes that travel parallel without being subjected to twisting. This allows a useful life of the ropes that is much longer than competitor lifts. For this reason, GMV can guarantee the ropes beyond the normal legal guarantee (even up to 10 years **). These are non-patented polyurethane coated steel ropes with a diameter of 6.5 mm.
- › 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.

1.3 COMFORT AND ENERGY EFFICIENCY

Smooth acceleration and deceleration, floor levelling and low vibrations, thanks to VVVF encoder control. Reduced energy consumption, thanks to:

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



**ANTI-SEISMIC SOLUTION
AVAILABLE (EN 81.77)**



ADVANTAGES GREEN LIFT TRACTION MRL OMEGA EVO:

HIGHLY COMPETITIVE PRICE

Within the range of MRL traction lifts.

ANTISEISMIC

thanks to machine positioning, on top of guide rails, that drives forces down to the pit.

DESIGN AND CAR FINISHES

Elegant and minimal design. The cabin walls, in the standard basic version are provided in s.b. stainless steel, a wide range of finishes is also available: melamine, plastic laminate and 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.

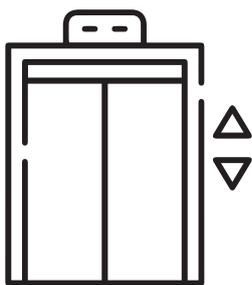
RELIABLE SERVICE

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.



2. GREEN LIFT TRACTION OMEGA EVO MODELS

● CLASSIC



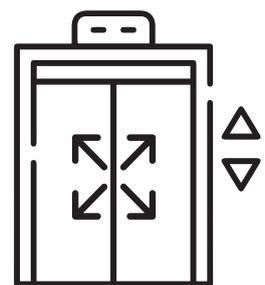
The best option when design is prioritized

● SMART



The best option when price is prioritized

● EXTRA SLIM



The best option when prioritizing cabin size*

*Reduction of the space occupied by the lifting system (mechanical counterweight side) reduced up to 220 mm allowing a cabin 10% larger. The optimal use of Hollow is possible using doors 3AT and 4AO.

3. TECHNICAL CHARACTERISTICS

Drive	Electric
Machine	Gearless
Descripción	<ul style="list-style-type: none"> • MRL lift with, without machine room, 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 • Tracción 2:1. • Smart y Classic: 350 – 450 – 630 – 900 – 1000 kg payloads. • Extra Slim: 350 – 450 – 630 kg payloads. • Drive pulleys with 120 mm diameter. Use of 6.5 mm diameter polyurethane coated steel traction ropes. • With counterweight located next to the cab guide with the counterweight pulley off-centre (for capacities up to 630 kg) or centred (for capacities of 900 and 1000 kg) and positioned on the same symmetry axis as those of the cab (patented by GMV).
Speed	1 m/s
Nº stops	2 ÷ 12
Intended use	Residential, offices, hotels, hospitals, public and private buildings
Conformity to Directives and Standards	<ul style="list-style-type: none"> • Lift Directive 2014/33/EU • Electromagnetic Compatibility Directive 2016/30/EU • Harmonised standard: <ul style="list-style-type: none"> EN 81.20/50:2014 (safety rule for lifts) EN 81.28:2016 (remote alarms for lifts) EN 81.70:2005 EN 81.21:2018 EN 81.73:2016 (behaviour of lifts in the event of fire) EN 81.72 (fire lifts) with VVFF operation
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. • Universal manoeuvre APB, collective manoeuvre descent, collective manoeuvre exit, descent, special hospital manoeuvre (type U36), fire fighting, rescue, reserved use. • Pre-wired power line, serial information to the cabin. • Encoder shaft information. • 1 or 2 entrances with contemporary or selective opening. • UPS automatic rescue device with doors re-opening • EN 81.28 dialer. • GSM interface (optional)
Counterweight	<ul style="list-style-type: none"> • Smart and Classic: Side counterweight concrete • Extra Slim: Iron fulfilled
Schaft type	Concrete / Steel structure



**Scan and
immerse
yourself in the
GMV world!**

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



4. TMC CABIN AND CABIN WITH VARIABLE DIMENSIONS

4.1 TMC CABIN

- › Green Lift Traction Omega Evo electric lifts, thanks to the standardised chassis and cabin, are the optimal product for new construction sites and modernisations with elegant finishes.
- › The cabin is solid and light, ideal for low energy consumption lifts.
- › Assembly is simple.
- › The cabin wall panels can be easily replaced, thus enabling simple and quick restyling.

4.2 OPTIMIZED SOLUTION FOR RENOVATIONS

- › 50% of the image of a building: those who enter a building spend on average half the time needed to go to their destination, into the cabin lift or in front of the lift.
- › A significant improvement in the quality of life in the building: you realize how uncomfortable it is to take the stairs when the lift doesn't work! The usefulness of the lift naturally becomes crucial for the disabled and the elderly, who often cannot do.
- › Up to 20% of the property value: when evaluating/selling an apartment, the price varies significantly in the presence of a lift.

5. ACCESSORIES AND FINISHES

5.1 CEILING PANELS

Stainless steel with LED lighting. Two models available:
Classic and **Lama**.

CLASSIC



LAMA



5.2 CABIN HANDRAIL

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



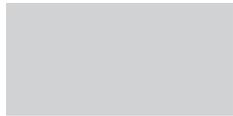
6. COLOURS & MATERIALS

6.1 CABIN WALLS

DECORATIVE PANELS (HPC)



001 BEIGE



004 LIGHT GREY



005 WHITE



006 CHERRY WOOD



007 OAK

PLASTIC LAMINATE



113 BLUE
Arpa 0566 R



114 LIGHT BLUE
WHITE
Arpa 0010 R



115 STONE GREY
Arpa 0232 R



117 LAVENDER
Arpa 0607 R



118 ACID GREEN
Arpa 0660 R



120 ORANGE
Arpa 0682 R



134 IRON GREY
Arpa 0623 R



136 DEVIL RED
Arpa 0561 LU



137 IVORY
Arpa 0200 R



138 COLORADO
YELLOW
Arpa 0523 R



139 ALPINE BEECH
Arpa 1286 R



140 ANCIENT
WALNUT
Arpa 1890 R



141 AOSTA CHERRY
Arpa 1971 R



142 WENDEL
Arpa 4260 ALV



143 NATURAL
ZEBRANO
Arpa 4390 PES



144 OAK
Arpa 4512 ALV



145 AMERICAN
ASH
Arpa 4521 PES



146 MERCURY ELM
TREE
Arpa 4539 ALV



147 RUST
Arpa 3294 LUN



149 BLACK
PORPHYRY
Arpa 3329 MK



150 SAND CORTEN
Arpa 3330 LUN



155 NACRE
Arpa 2516 LU



156 ATLANTIS BEIGE
Arpa 0737 R



157 GREEK BLUE
Arpa 0675 R



158 GRAY CORTEN
Arpa 3331 LUN

STAINLESS STEEL



301 SCOTCH BRITE



302 CHECKERS



303 LINEN



304 LEATHER



305 5WL

Arpa

- SMART
- CLASSIC
- EXTRA SLIM

PANELS COVERED WITH FILM

Possibility of using special films to cover the cabin walls for new lifts or for the restyling of old TMC cabins. For example, we suggest the use of such films made starting from photographs provided by the customer, which allow to cover the cabin even at the last minute with the desired images.

6.2 LANDING DOOR AND CABIN DOOR PANELS

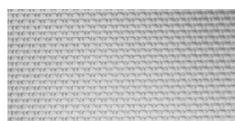
STAINLESS STEEL



301 SCOTCH BRITE



302 CHECKERS



303 LINEN



304 LEATHER



305 5WL

PRE-PAINTED METAL SHEET



201 BEIGE



204 LIGHT GREY



205 DARK GREY

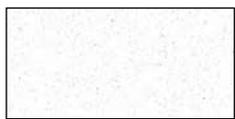
GLASS



801 GLASS

6.3 FLOOR COATINGS

AGGLOMERATE GRANITE



601 WHITE



602 LIGHT GREY



603 BLACK



604 DARK BLUE



605 RED

PVC



514 LIGHT GREY



515 DARK GREY



516 BEIGE



517 BLUE

6.3 CABIN STRUCTURE AND ENTRANCE

STAINLESS STEEL



301 SCOTCH BRITE



With **GMV Cabin Designer** you can choose the most suitable combination of walls, floors and doors.

7. LANDING AND CABIN BUT-TON PANEL

7. LANDING BUTTON PANEL

Lops and Cops have a scotch brite stainless steel finish. Lops can be supplied with or without DOT MATRIX display.



LANDING BUTTON PANEL

DISPLAY EN 81.70

7.2 BUTTON PANEL

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



BUTTONS



7.3 FULL-HEIGHT COLUMN CABIN BUTTON PANEL

For cabins with 900 - 1000 kg payload (dimensions 1400 x 1500 mm and 1100 x 2110 mm), a full-height cop and counter-column in the opposite wall can be supplied.

8. LANDING DOORS

- › Landing doors and car doors are made of pre-painted sheet metal (polimod) or stainless steel or glass, with the colours and finishes shown on page 11.
- › 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. Reduced sills available.
- › Fire doors available, tested according to EN 81-58
- › Class:
E 60 – E 120 – EI 30 - EI 60 – EI 90 – EI 120
- › We can provide landing doors without frames, to allow maximum freedom in the construction of the entrances of the buildings.

* 2 panels telescopic landing doors central opening are available for non-EU markets.

GLASS LANDING DOOR (2AT, 3AT, 2AO, 4AO)



2AT/2AO



3AT



4AO



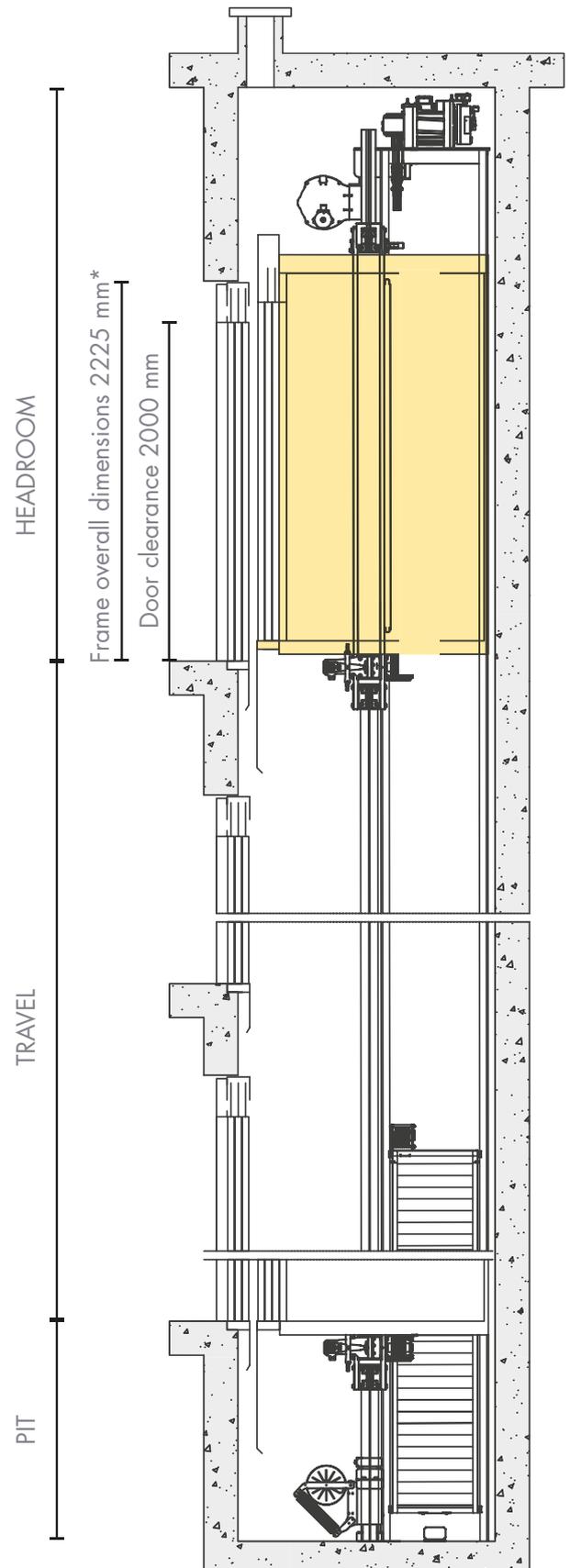
9. GLT OMEGA EVO

2:1 traction electric lift with counterweight positioned next to the cabin guide decentralised counterweight pulley (for capacities up to 630 kg) or centred (for capacities of 900 and 1000 kg, available only for the **Smart** and **Classic** version) and placed on the same symmetry axis as those of the car (GMV patent).

Speed (m/s)	1		
N° 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
	EN 81.21	with standard TMC cabin	3400
		with lowered TMC cabin	2600
Minimum pit (mm)	EN 81.20	with standard TMC cabin	1000
		with lowered TMC cabin	480
	EN 81.21	with variable size cabin	450

Complies with EN 81.21 available only for Smart and Classic versions. Not for Extra Slim versions.

VERTICAL SHAFT SECTION

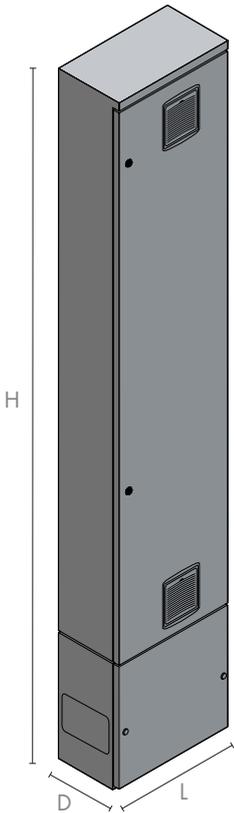


(*) Door height 2100 mm with frame height 2325 mm on request.

- SMART
- CLASSIC
- EXTRA SLIM

9.1 CONTROL PANEL CABINETS

VERTICAL SOLUTION SMART

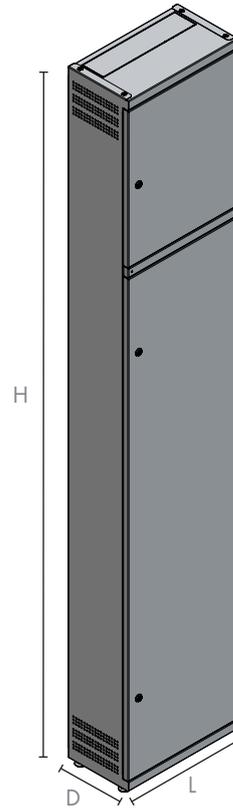


H = height 2210 mm
 D = depth 280 mm
 L = length 400 mm

Pre-painted sheet metal platinum gray (RAL 7036) or stainless steel finishing.



VERTICAL SOLUTION CLASSIC AND EXTRA SLIM (STANDARD)



H = height 2210 mm
 D = depth 230 mm
 L = length 400 mm

Pre-painted sheet metal platinum gray (RAL 7036) or stainless steel finishing.

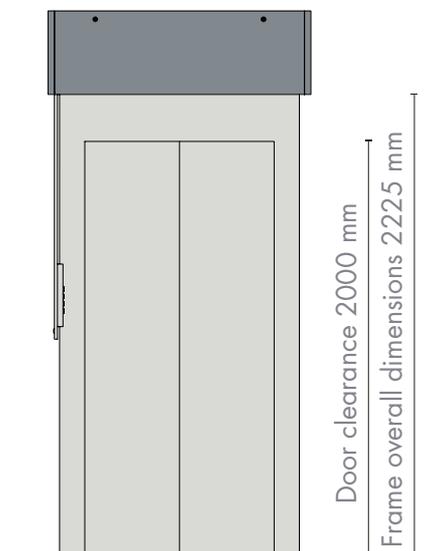
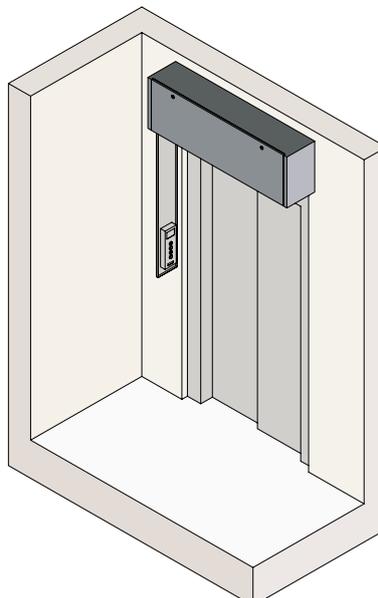


HORIZONTAL SOLUTION (OPTIONAL)

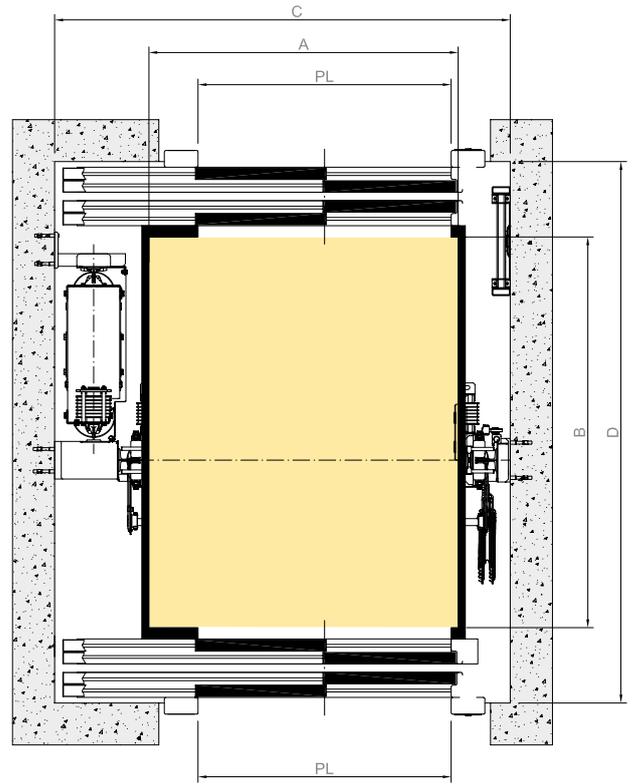
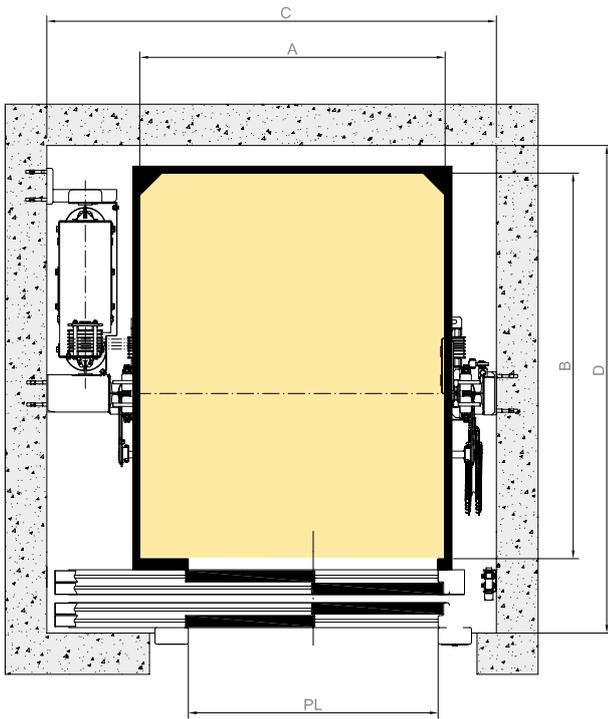


Height 400 mm
 Depth 250 mm
 Length 2100 mm

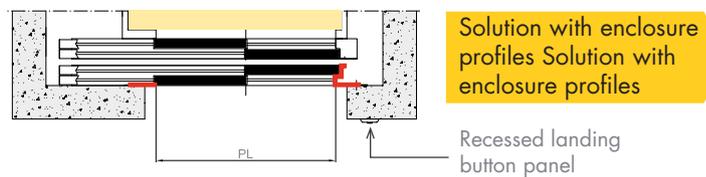
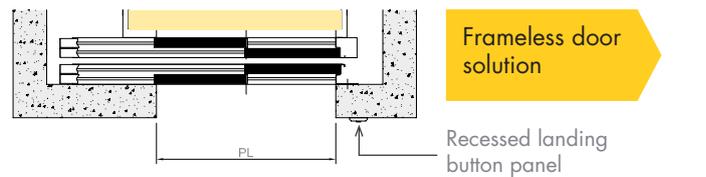
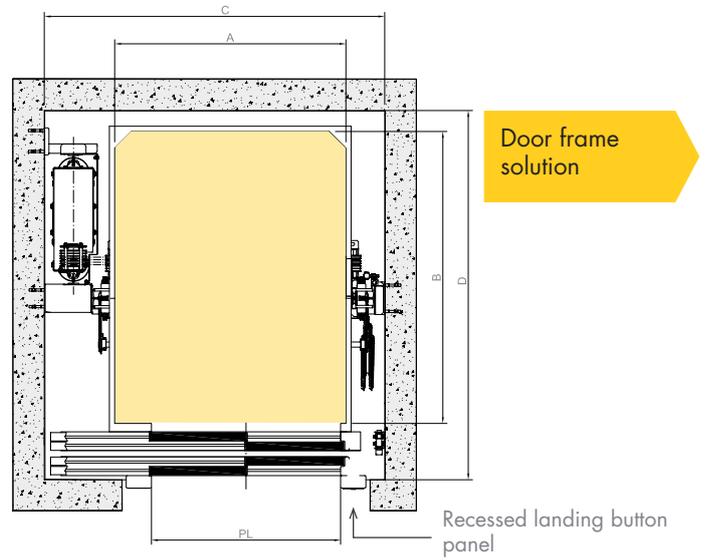
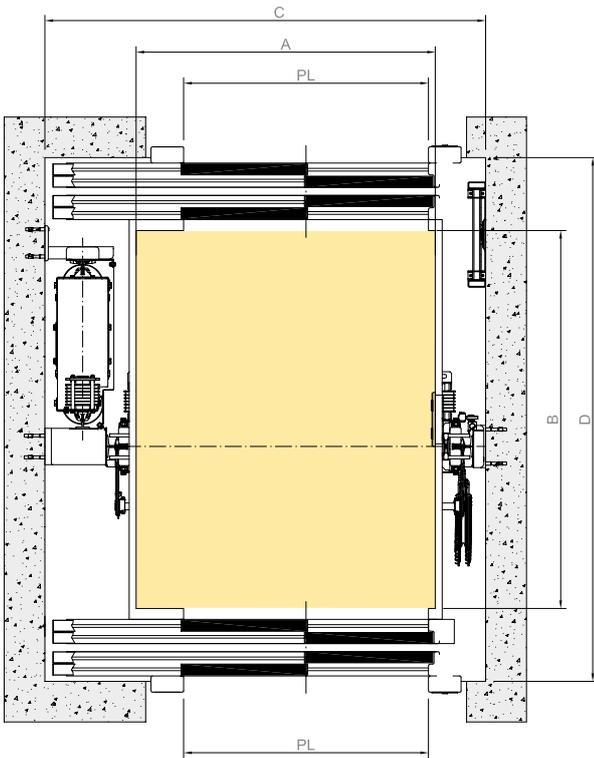
Pre-painted sheet metal platinum gray (RAL 7036) or stainless steel finishing.



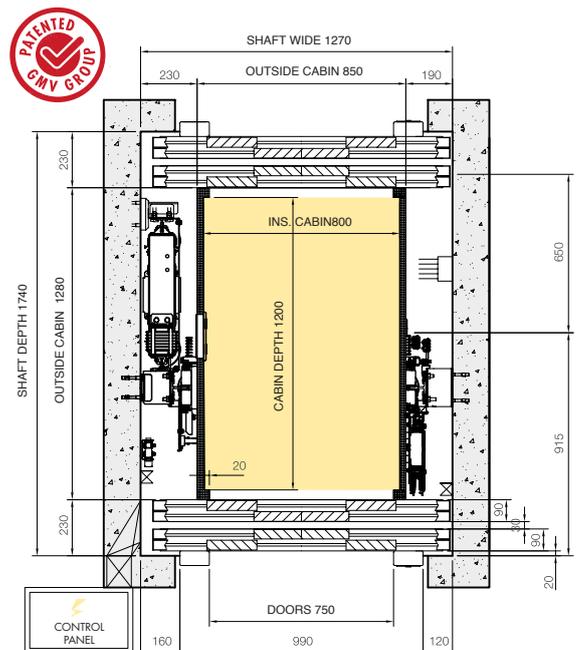
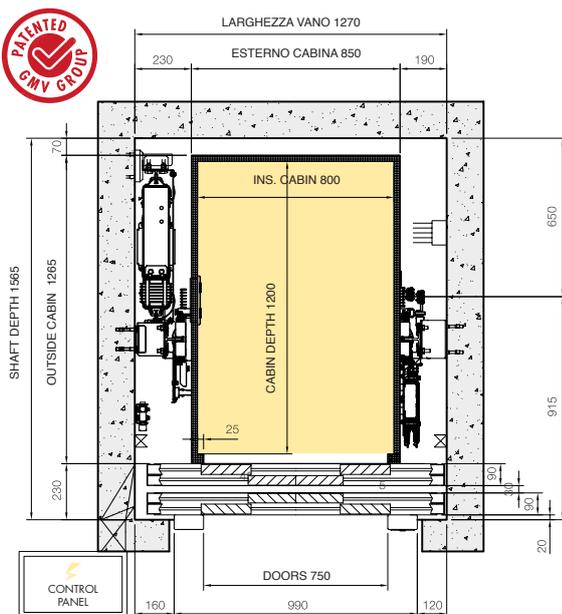
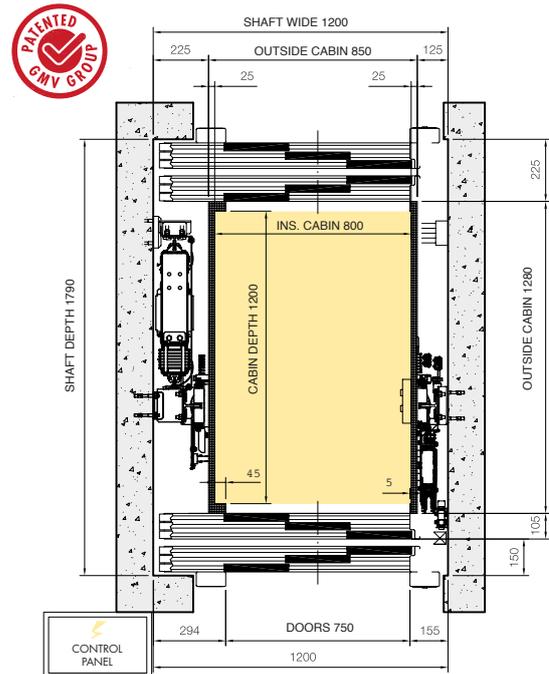
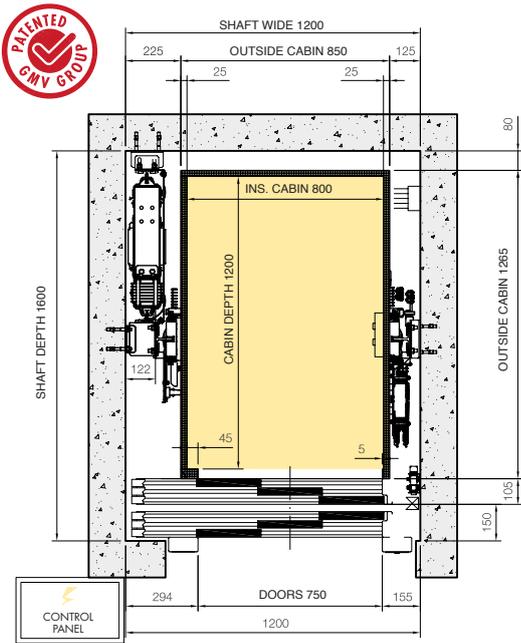
9.2 SMART SHAFT PLANTS



9.3 CLASSIC SHAFT PLANTS



9.4 EXTRA SLIM SHAFT PLANTS



Maximum cab external dimension 1160 mm
 Minimum / maximum spaces mechanics counterweight side 220 mm / 380 mm
 Minimum / maximum mechanics spaces on cab side 125 mm / 330 mm

› **The ideal solution for renovations.** The GLT Extra Slim lift, patented by GMV, is a compact and innovative lift compared to the competitor's offer, particularly suitable for replacing existing lifts. In most cases, with the same shaft width, it makes it possible to have a larger cabin and use automatic or semi-automatic doors. A product that facilitates the removal of architectural barriers.

› **Examples of lifts design for renovations with GLT Omega Evo Extra Slim mechanics.** Cabin with variable measures 50 mm pitch for loads from 350 kg to 630 kg and frame adaptable to the dimensions of the cabin. For optimal use of the shaft, 3AT y 4AO doors.

9.2 DIMENSIONS WITH 2AT DOORS FOR CLASSIC AND SMART VERSIONS

Payload (kg)	N°. of passengers	Cabin dimensions (mm)		N° Entrances	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	950*	1300*	1	800	1450	1650
				2 opposite	800	1450	1840
		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 1600	1750
				2 opposite	900	1610 1600	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 1600/1760	2450
				2 opposite	900/1000	1610/1760 1600/1760	2650

Non-contractual information subject to shaft conditions. The shaft dimensions refer to lead shafts. The shaft dimensions refer to the dimensions of non-fireproof doors. The cabin dimensions indicated in the table with the symbol (*) are in accordance with the law 13/1989; those indicated with the symbol (**) are in accordance with the standard EN 81.70:2005.

9.3 STANDARD DIMENSIONS WITH 3AT DOORS FOR EXTRA SLIM VERSION

Portata (kg)	N°. of passengers	Cabin dimensions (mm)		N° Entrances	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	1250	1600
				2 opposite	750	1250	1800
450	6	950**	1300**	1	800/850/900	1350/1400/1450	1700
				2 opposite	800/850/900	1350/1400/1450	1900
		1000*	1250*	1	800/850/900	1400/1400/1450	1650
				2 opposite	800/850/900	1400/1400/1450	1850
		1000*	1300*	1	800/850/900	1400/1400/1450	1700
				2 opposite	800/850/900	1400/1400/1450	1900
630	8	1100*	1400*	1	900	1500	1750/1800
				2 opposite	900	1500	1940/2000
900	12	1400*	1500*	1	900/1000	1850	1850
				2 opposite	900/1000	1850	2040
1000	13	1100*	2110*	1	-	1550/1600	2500
				2 opposite	-	1550/1600	2710

Non-contractual information subject to shaft conditions. Shaft dimensions refer to lead shafts. The dimensions indicated in the table are indicative. For any feasibility study, please contact GMV sales office. The minimum shaft width for lifts complying with EN 81.21 may vary slightly from the standard indicated in the table. The car dimensions indicated in the table with the symbol (*) comply with both EN 81.70 and law 13/89; those indicated with the symbol (**) comply with law 13/89.

10. GMV EUROLIFT S.A.U

THE MANUFACTURER

GMV Martini S.P.A. is an Italian multinational for over 60 years on the global market and one of the very few companies in the sector in the world to produce 100% of the product.

THE QUALITY

GMV quality systems are certified. GMV has introduced the "6 Sigma" quality concept as a total quality philosophy, up to the complete testing of products which are 100% tested and designed to last at least 10 years. The quality and reliability of GMV products is proven by the fact that 1 million lifts in service all over the world are equipped with our technology.

PRODUCTS

GMV customers are thousands of lift companies in the 5 continents who choose, install and maintain our products. Some of these are certified dealers, who work in synergy with us using the GLOCAL (Global Company Acting Locally) technique to provide the best product with the best service at competitive prices. The maintenance service of GMV lifts can be carried out by any specialized company, making the owner of the product free from constraints. GMV offers a ten-year warranty extension (GMV10) on its lifts for residential buildings, renewable for the entire useful life of the product. This is because the lift is a long-term investment that must last a long time. The availability of GMV original spare parts is guaranteed for 10 years within the GMV10 contract. To ensure maximum safety, the testing of GMV lifts is carried out by independent third parties. GMV offers a complete range of lifting systems at the cutting edge of technology for new buildings, renovations and replacements: lifts, home lifts, bed lifts,

goods lifts and vehicle lifts.

* Possibility of warranty extension up to 10 years.



Watch
the GMV
corporate
video

GMV WORLDWIDE



AZIENDA CERTIFICATA
UNI EN ISO 9001
CERTIFIED COMPANY

This document is for information purposes only. We reserve the right to modify at any time the reported specifications, without notice. The colors are indicative and there may be tonality differences with the actual product.





GMV

to win together

GMV EUROLIFT S.A.U.

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