

GREEN LIFT FLUITRONIC

MRL

1 million elevators worldwide with
GMV technology



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GMV EUROLIFT S.A.U.

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1. MAIN REASONS FOR CHOOSING GREEN LIFT FLUITRONIC MRL

1.1 ENVIRONMENT

- › Possibility of using biodegradable synthetic-based fluid with biodegradability index >70%, which in the event of accidental spills, reduces the risks for the owner (NO OIL).
- › Reduction of the contracted power up to 20% compared to the traditional hydraulic elevator.
- › Reduced consumption up to 30% compared to the traditional hydraulic elevator.

1.2 HIGH QUALITY

- › High quality demonstrated in more than 800,000 elevators in the world in operation with GMV technology that offers the possible **warranty extension of up to 10 years**. Thanks to this extension, you have the guarantee of having spare parts for 10 years.
- › The 10-year warranty extension ensures that there is no dependency on the product and is renewable for another 15 years, that is, for the entire life cycle of the elevator.

1.3 REDUCED SHAFT DIMENSION WITH NO PROJECT LIMIT

- › MRL solution with a very compact cabinet (L 440 x P 300 x H 2000 mm) with the GLC version that contains a control panel and a power unit with a dry motor, installable near the plant door or near the pit.
- › Cabin with variable sizes.
- › Available in a version with reduced pit and/or headroom with the GLF CLASSIC version.

1.4 ELEVATOR COST

20% cheaper as a product and as a service compared to the electric elevator.



GREEN LIFT FLUITRONIC ADVANTAGES:

LOW SEISMIC VULNERABILITY

There are no suspended masses from either the machinery or the counterweight.

CONSTRUCTION SIMPLICITY

SAFETY, COMFORT AND MAINTENANCE SAVINGS

The lift brain is easy to reach. Machine maintenance can be carried out on the ground. The total cost of the elevator's useful life can be reduced by up to 30% in 10 years, thanks to the extended warranty and construction simplicity.

SPARE PARTS EASILY AVAILABLE

The technical information, spare parts and technical instruments necessary for maintenance and programming are available at market prices.

EMERGENCY DEVICE

Return to the landing with integrated door opening in case of blackout.

MANUAL EMERGENCY

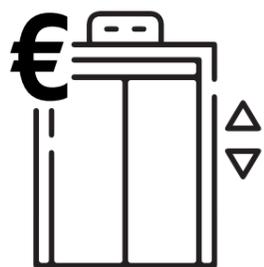
Evacuation is possible without auxiliary power supply.

Thanks to Fluitronic Technology, GMV restored the gap between the performance of traditional hydraulic lifting and a gearless one, without economic impact.



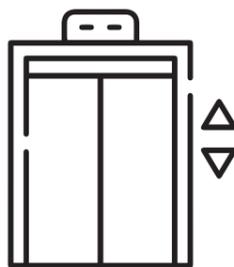
2. GREEN LIFT FLUITRONIC MODELS

● STANDARD



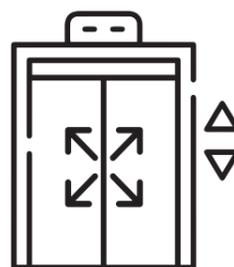
The best option when price is prioritized

● CLASSIC



The best option when prioritizing design

● COMPACT



The best option when space is prioritized

3. TECHNICAL CHARACTERISTICS

	GLF STANDARD	GLF CLASSIC	GLF COMPACT
Drive	Hydraulic		
Valve group	3010 DLV	3010 DLV, NGV A3 ¹	
Machine	GLDRY	GLDRY, F1, T2	GLC
Description	Indirect action hydraulic lift (2:1)		
Speed	0,62 m/s		
Number of stops	2 ÷ 12		
Cabin tour	19 m		
Minimal escape	<ul style="list-style-type: none"> • Payload up to 630kg (3300mm) • Reduced payload up to 630kg (2750mm) 	<ul style="list-style-type: none"> • Payload from 630kg to 1000kg (3300mm) • Reduced flight: <ul style="list-style-type: none"> » Payload up to 630kg (2750mm) » Payload from 900kg to 1000kg (2800mm) 	
Minimum pit	<ul style="list-style-type: none"> • Payload up to 630kg (1000mm) • Useful load up to 630kg reduced pit (450mm) 	<ul style="list-style-type: none"> • Payload up to 630kg (1000mm) • Payload from 900kg to 1000kg (1100mm) • Reduced pit: <ul style="list-style-type: none"> » Payload up to 630kg (450mm) » Payload from 900kg to 1000kg (500mm) 	
Machine room	Not necessary. TYPE C cabinet (L 870 x P 400x A 2100mm)	Not necessary. TYPE C cabinet (L 870 x P 400x A 2100mm) o Tipo F (L 1000 x P 650x A 2100mm)	Compact cabinet (440 x 300 x 2000mm)
Destination of use	Residential, office, hotels, public and private.		
Directive compliance and rules	Elevators Directive 2014/33/EU; electromagnetic compatibility directive 2016/30/EU. Harmonized Standard: EN 81-20 – EN 81-50 (Safety Rules for Elevators); EN 81-28 (Elevator Remote Alarm). Optionally: EN 81.70 (Elimination of architectural barriers); EN 81-58 (Fire Resistant Doors); EN 81-21 (Reduced pit and/or reduced free space); EN 81-73 (Elevator behavior in case of fire); EN 81-72 (fire elevators) with firefighter maneuver.		
Safety devices	According to EN 81.20 it has UCM (Uncontrolled Cabin Movement) PARACHUTE: <ul style="list-style-type: none"> • INSTANT Technolift SH3 – SH4 – SH8 – SH9 GMV LOCK VALVE – VC3006/B 1"1/4 – 1" 1/2 DOOR CLOSING DEVICE: <ul style="list-style-type: none"> • GMV – Euro-Vip 96 0001 (2AT - 2AO with standard limit) • GMV – Euro-Vip 05 0002 (3AT and door with reduced limit) • Built-in opening return 		
Electrical part	<ul style="list-style-type: none"> • Microprocessor model NEOS10+ control panel • Universal maneuver - Collective descent • Emergency descent: UPS integrated into the control panel. 		
Others	Lighting in the hole		
Shaft type	Reinforced cement/bricks/metal structure		

¹ Speed up to 1 m/s with NGV A3 valve group.



4. TMC CABIN

4.1 TMC CABIN

Green Lift Fluitronic is the optimal product for new construction and modernizations, with elegant finishes. The cabin is robust and light, ideal for elevators with low energy consumption. Cabin wall panels are easily replaced, allowing for a simple and quick style change.

4.2 OPTIMIZED SOLUTION FOR MODERNIZATIONS

We can supply landing doors without frames or with infill profiles to allow architects maximum freedom, in particular in the construction of the entrance to buildings and, in the case of renovations of existing lifts, to replace the doors without carrying out masonry works.

In general, let's not forget that the elevator represents:

- › 50% of the image of a building: whoever enters a building spends on average half the time necessary to go to their destination, in the elevator car or in front of the elevator.
- › A significant improvement in the quality of life in the building: you realize how uncomfortable it is to go up the stairs when the elevator doesn't work! The usefulness of the elevator naturally becomes crucial for the disabled and the elderly, who often cannot do without it.
- › Up to 20% of the property value: when evaluating/selling an apartment, the price varies significantly when the property has an elevator.

5. EQUIPMENT IN ACCORDANCE WITH THE EN 81-70 STANDARD

- › Minimum door opening of 800mm.
- › Automated doors with horizontal sliding.
- › Minimum cabin dimension of 1000x1250mm.
- › Side handrail.
- › Half wall mirror.
- › Floor leveling accuracy +/- 10 mm.
- › Button panels in accordance with the EN 81-70 standard.
- › Voice device for arrival at the plant, acoustic and visual indicators.



Scan and immerse yourself in the GMV world!

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

5.1 IN COMPLIANCE WITH LEVEL 1 REQUIRED BY THE STANDARD EN 81-77

MAIN CHARACTERISTICS OF THE ANTI-SEISMIC GLF

- › Car frame with appropriate protections to prevent guideshoes escaping during an earthquake.
- › Guide dimensions that take into account the inertial forces created by the maximum horizontal acceleration (Ah).
- › Cabin door-lock with additional lock to prevent accidental opening.
- › Battery power supply that allows emergency operation in case of power failure: system stops and reaches, at reduced speed, the destination floor, opens the doors and remains out of service with the doors in open position.

6. ACCESSORIES AND FINISHES

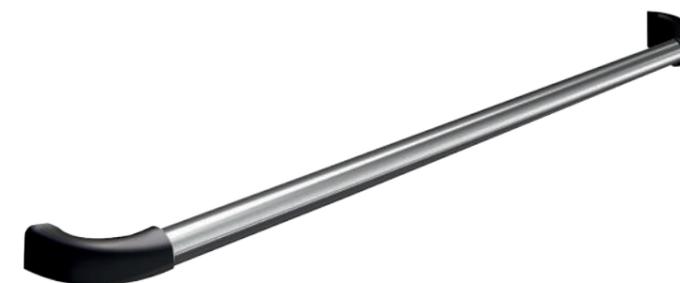
6.1 CEILING PANELS

Stainless steel ceiling light with LED lighting in the LED spot stainless steel versions.



6.2 CABIN HANDRAILS

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



6.3 BUTTON PANEL

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



6.4 PANORAMIC CABIN

Cabin versions are available with panoramic laminated glass walls to prevent sharp splinters in the event of breakage. It is made of 301 Scotch Brite stainless steel.



Panoramic cabin

6.5 SUELO DE LA CABINA

Possibility of arrangement for finishes of the client's choice.



Cabin floor

7. LANDING AND CABIN BUTTON PANEL

It is possible to choose between two different lines of COP and LOP. Both lines have a scotch brite stainless steel finish. LOPs can be supplied with or without LCD screen.

7.1 FLUSH MOUNTED OPERATING PANELS (STANDARD)

7.1.1 LANDING BUTTON PANEL

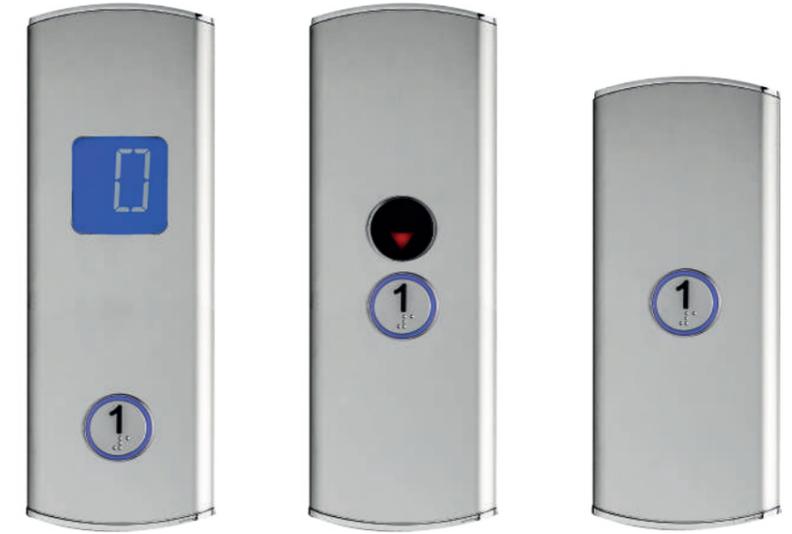


7.1.2 FULL HEIGHT CABIN BUTTON PANEL

Complies with EN 81-70 standard.

7.2 SURFACE MOUNTED OPERATING PANELS (OPTIONAL)

7.2.1 LANDING BUTTON PANEL



7.2.2 HALF-COLUMN COP

Applied on the cabin panel complying with EN 81-70 standard.

NOTE: in the case of a mirror on the wall of the keypad it is necessary to provide a full height column keypad, with a handrail divided into two halves.

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 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. 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 frameless landing doors, to allow maximum freedom in the construction of the building entrance. We must not forget that the elevator represents 50% of the value of the image of a building. Users entering a building spend an average of 50% of the time needed to reach their destination in front of the elevator.

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



Glazed floor doors (2-leaf sliding opening, 3-leaf side opening, 2-leaf central opening, 4-leaf central opening)

2AT/2AO



2 telescopic landing doors side opening or central opening panels

3AT



3-leaf telescopic landing doors with lateral opening

4AO



Landing doors 4 central opening leaves

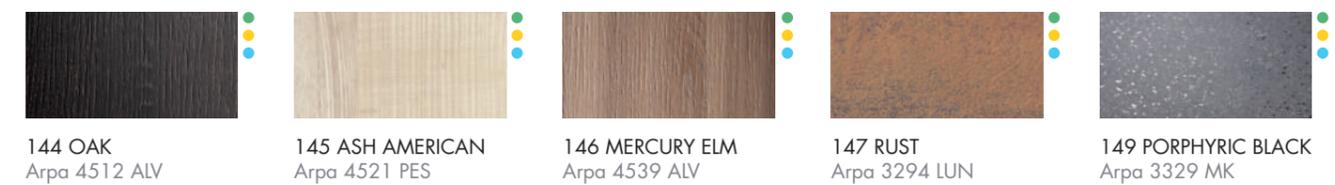
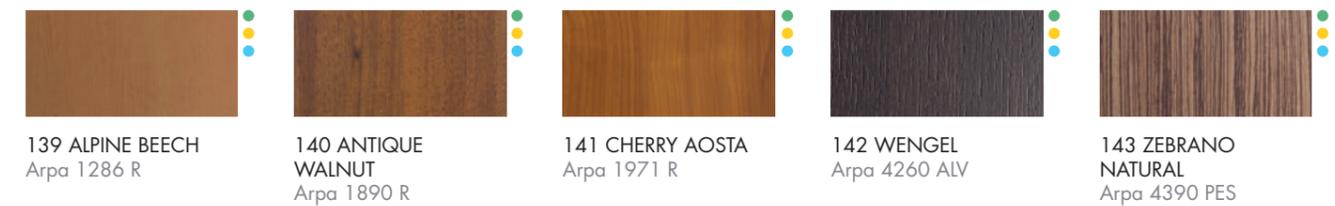
9. COLORS AND MATERIALS

- STANDARD
- CLASSIC
- COMPACT

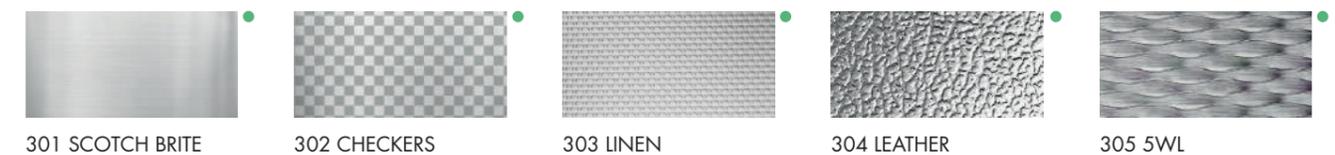
9.1 CABIN WALLS DECORATIVE PANELS (HPC)



PLÁSTICO LAMINADO



ACERO INOX



Arpa

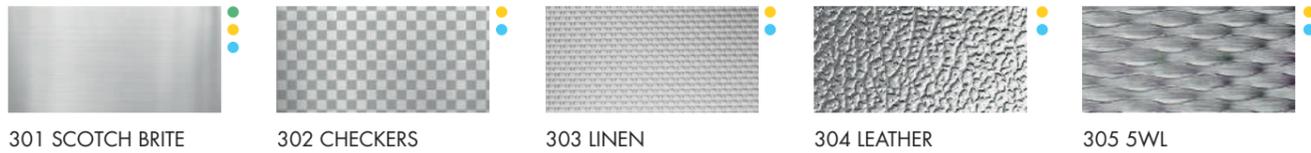
- STANDARD
- CLASSIC
- COMPACT

VINYL COVERED PANELS

Possibility of using special vinyls to cover the walls of the cabin for new equipment or for the restyling of old TMC cabins. For example, we suggest the use of vinyl made from photographs, which allows you to cover the booth even at the last minute with the desired images.

9.2 LANDING AND CABIN DOORS

STAINLESS STEEL



PREPAINTED SHEET



VIDRIO

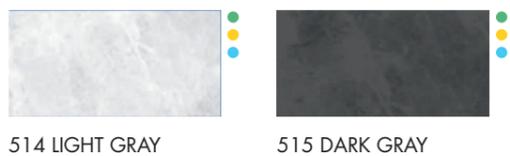


9.3 FLOOR COVERING

AGGLOMERATED GRANITE



PVC



9.4 CABIN STRUCTURE AND ENTRANCE

STAINLESS STEEL

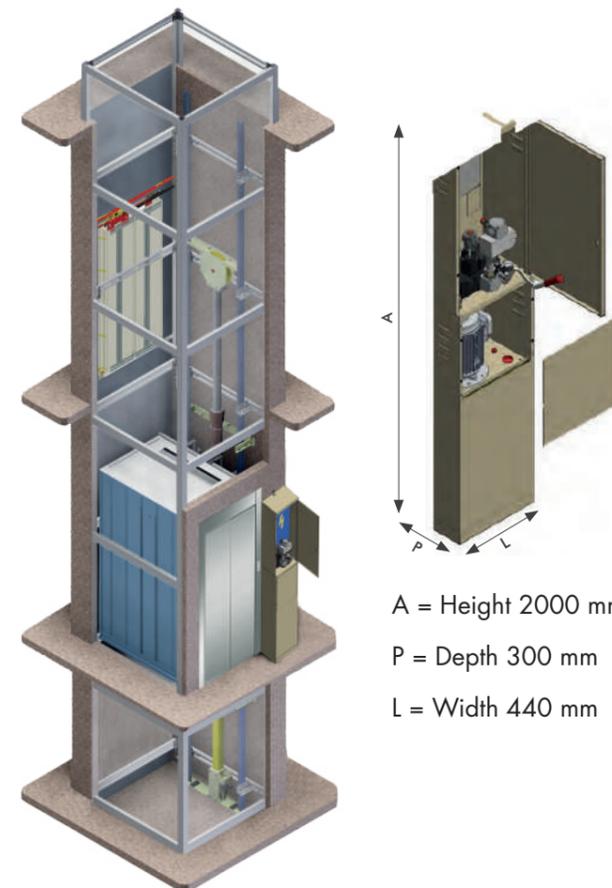


10. GLF COMPACT

The control panel and drive (control unit with dry motor) are located in a cabinet that can be placed next to a landing door or near the opening (up to 10 m), generally in the basement.

	Payload up to 630 kg		Payload 900-1000 kg	
Speed (m/s)	0,62		0,62	
N° stops	2 ÷ 12		2 ÷ 12	
Cabin travel (m)	3 ÷ 19		3 ÷ 16	
Minimum clearance (mm)	Standard	3300	Standard	3300
	Reduced	2750 (*)	Reduced	2800
Minimum pit (mm)	Standard	1000	Standard	1100
	Reduced	450	Reduced	500

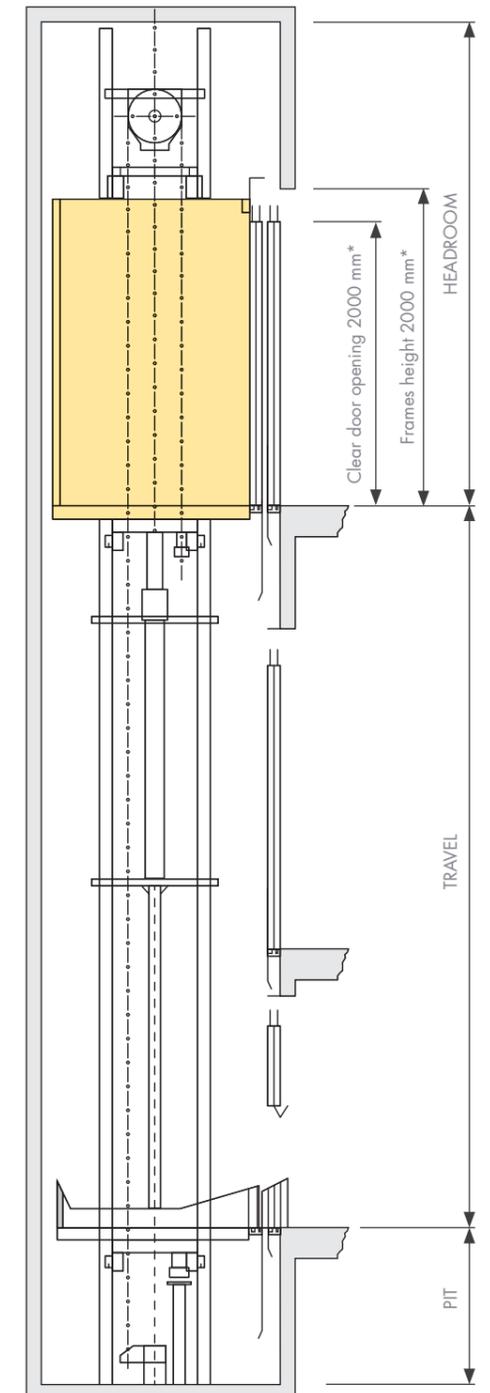
(*) Minimum headroom with lowered cabin 2500 m.



ADVANTAGES

Safety, simplicity and economical operations and maintenance

VERTICAL SECTION



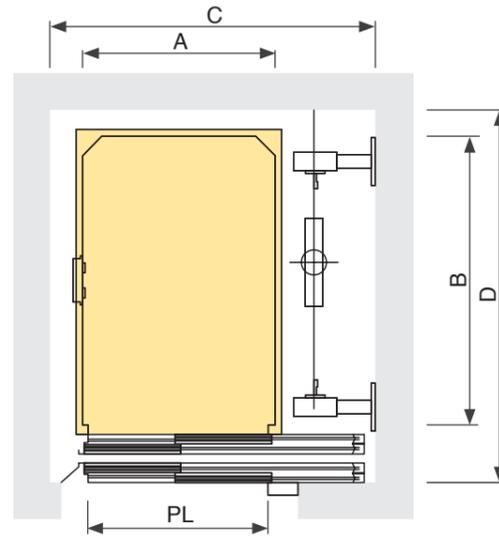
(*) Door opening 2100 mm with frame size 2325 mm upon request.



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

11. GLF STANDAR

11.1 STANDARD DIMENSIONS IN CONCRETE SHAFT

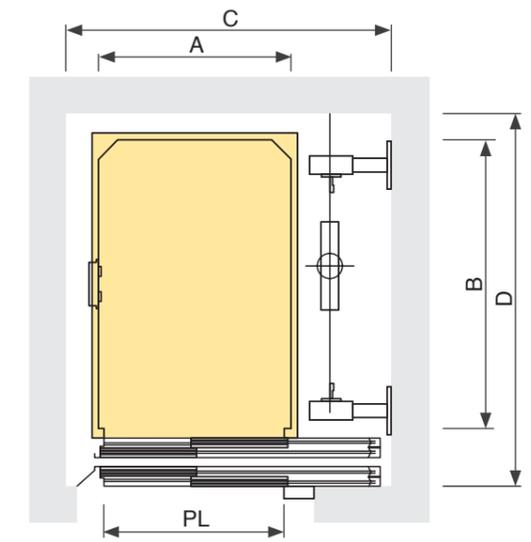


Payload (Kg)	N°. of passengers	Car dimensions (mm)		N° Entries	Clear door opening (mm)	Min. shaft dimensions with doors opening at side (mm)	
		A	B			PL	C
350	4	800 (*)	1200 (*)	1	750	1350	1550
				2 opposite	750	1350	1740
450	6	950 (*)	1300 (*)	1	800/900	1400/1500/1550	1650
				2 opposite	800/900	1450/1500/1550	1840
				1	800/900	1450/1500/1550	1600
				2 opposite	800/900	1450/1500/1550	1790
		1000 (*)	1300 (*)	1	800/900	1450/1500/1550	1650
				2 opposite	800/900	1450/1500/1550	1840
				1	800/900	1450/1500/1550	1650
				2 opposite	800/900	1450/1500/1550	1840
630	8	1100 (*)	1400 (*)	1	800/900	1550	1750
				2 opposite	800/900	1550	1940

Non-contractual information subject to shaft conditions. The shaft dimensions refer to plumb shafts. The measurements shown in the table are indicative. The car dimensions indicated in the table with the symbol (*) comply with both EN 81.70 standard. For central opening availability or for any feasibility study, contact the GMV commercial department.

12. GLF CLASSIC

12.1 STANDARD DIMENSIONS IN CONCRETE SHAFT



Payload (Kg)	N°. of passengers	Car dimensions (mm)		N° Entries	Clear door opening (mm)	Min. shaft dimensions with doors opening at side (mm)	
		A	B			PL	C
320	4	900	1000	1	700/800	1350/1400	1350
350	4	800 (*)	1200 (*)	1	750	1350	1550
				2 opposite	750	1350	1740
450	6	950 (*)	1300 (*)	1	800/850/900	1400/1500/1550	1650
				2 opposite	800/850/900	1450/1500/1550	1840
				1	800/850/900	1550	1450
				2 opposite	800/850/900	1550	1640
		1100	1100	1	800/850/900	1450/1500/1550	1600
				2 opposite	800/850/900	1450/1500/1550	1790
				1	800/850/900	1450/1500/1550	1650
				2 opposite	800/850/900	1450/1500/1550	1840
630	8	1100 (*)	1400 (*)	1	800/900	1550	1750
				2 opposite	800/900	1550	1940
900	12	1400 (*)	1500 (*)	1	900/1000	1900	1850
				2 opposite	900/1000	1900	2040
1000	13	1100 (*)	2110 (*)	1	900/1000	1600/1700	2450
				2 opposite	900/1000	1600/1700	2650

Non-contractual information subject to shaft conditions. The shaft dimensions refer to plumb shafts. The measurements shown in the table are indicative. The car dimensions indicated in the table with the symbol (*) comply with both EN 81.70 standard. For central opening availability or for any feasibility study, contact the GMV commercial department.

13. 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.

GMV IN THE WORLD



* Possibility of extending the warranty to 10 years.



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Watch our GMV corporate video



GMV

to win together

GMV EUROLIFT S.A.U.

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