

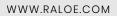


Your Partner In Lift Solutions.

Technical Catalogue.

WWW.HITECLIFTSYSTEMS.CO.UK

Technical Catalogue



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02

01

▶

Finishes

2.1 Cabin designs

Product development

Symbio

Optimus

Genesis

Hidronic

Symbio large loads

Regenerative Solutions

1.1

1.2

1.3

1.4

1.5

1.6

- 2.2 Panoramic cabin
- 2.3 Interior finishes
- 2.4 Doors
- 2.5 Push buttons & displays
- 2.6 Structures





1.1

Symbio is an electric lift with or without a machine room, capable to adapt to any shaft needs, pit and/ or headroom.

Wide loads spectrum.

Applications

Residential building Shopping centres New development Hotels Hospitals Offices Bedlifts High rise installations High traffic

Advantages

Available for new buildings as well as for existing shafts with reduced pit or headroom (EN81.21).

Versatile:

It isn't necessary a designated machine room area, this allows greater space utility within the building. Even though is the quintessential new development lift, it can adapt to infinity shaft dimensions. Special shafts.

Flexibility/adaptability:

Customer tailored. Extensive load range, sizes, and speeds. Robust, resistant, and trustworthy. Able to locate operation control panel within the door frame (120mm width) as well as on landing. Power supply either single-phase or three-phase.

Comfort:

It guarantees a high level of comfort and minimal noise during its travels thanks to a centred arcade sling and 2:1 roping.

Great durability:

Reduced maintenance. The equipment has a long-life expectancy and nearly non-existent repairs.

Easy installation:

Mature design plug and play. Bedplate resting on the guides to minimise space.





(▲) (▼)



Technical characteristics

Rated load (Kg)	300 - 1600
Rated speed (m/s)	0,5 - 3,0
Machine room	CCM / SCM
Travel (m)	Up to 50
Roping	2:1
Traction ropes diameter (mm)	6,5 - 8,0

Guiding system

buffered guide shoes.

NOTE: CEP-1600 sling cannot have

Buffered guide shoes for greater comfort. Always triple rollers for speed ≥ 1.6m/s

Minimum Pit (mm)		Minimum Headroom (mm)		
Q (Kg)	Min pit	Necessary headroom	Min headroom	Necessary pit
	010	0.010	0.015	
450	310	3.310	3015	630
630	310	3.310	3015	680
1.500	350	3.310	3335	720
1.600	420	3.500	3335	720
Entran	ce			0 - 180

:ntrance

Door type

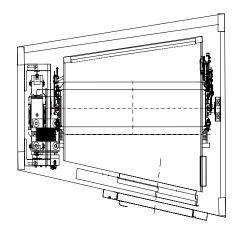
Automatic - Semiautomatic

Panoramic car Yes Weatherproof Yes

(1) Data for installations at 1m/s. Headroom calculated with 2005 mm car internal height.

Special solutions.

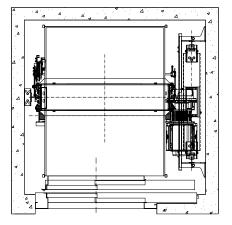
Possible configurations for irregular shafts.



High speeds Speed up to 3m/s.

For speed ≥ 1,6m/s, car frame with triple rollers. Maximum comfort.





Technical characteristics Symbio HR

Bespoke solutions

Rated load (Kg)	300 - 1500
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Travel (m)	Up to 50
Roping	2:1
Traction ropes diameter (mm)	6,5 - 8,0

Guiding system

Buffered guide shoes for greater comfort.

NOTE: CEP-1600 sling cannot have buffered guide shoes.

Minimum Pit (mm)		Minimum	Headroom (mm) ⁽ⁱ⁾	
Q (Kg)	Min pit	Necessary headroom	Min headroom	Necessary pit
450	630	2.635	2.635	630
630	680	2.635	2.635	680
1.500	720	2.655	2.655	720
1.600	720	3.200	3.200	720
Entran	ce	1		0 - 180°

Entrance

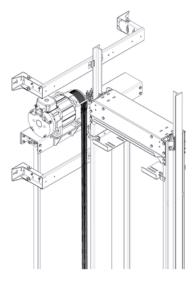
Door type

Automatic - Semiautomatic

Panoramic car	Yes
Weatherproof	Yes

(1) Data for installations at 1m/s. Headroom calculated with 2005 mm car internal height.

Symbio HR Headroom 2600mm.





(▲) (▼)



Technical characteristics Symbio PF

Rated load (Kg)	
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Travel (m)	Up to 50
Roping	2:1
Traction ropes diameter (mm)	6,5 - 8,0

Symbio PF Shaft depth 720 mm.

Max speed 1m/s Control panel on landing

NOTE: CEP-1600 sling cannot have buffered guide shoes.

Guiding system

Minimum Headroom (mm) (1) Minimum Pit (mm) Q(Kg) Min pit Necessary headroom Min headroom Necessary pit 450 310 3.310 3.015 625 630 310 3.310 680 3.015 1.500 410 3.310 3.335 720 1.600 410 3.500 3.335 720 0 - 180°

Entrance

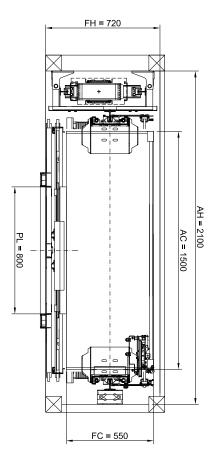
Door type

Automatic - Semiautomatic

Buffered guide shoes for greater comfort.

Panoramic car	Yes
Weatherproof	Yes

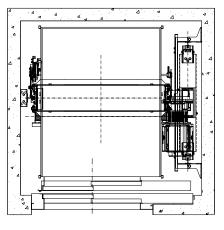
(1) Data for installations at 1m/s. Headroom calculated with 2005 mm car internal height.



Technical characteristics Symbio G

Rated load(Kg)		1800-3000
Rated speed (m/s)		0,5 - 1,0
Machine room		CCM / SCM
Travel (m)		Up to 50
Roping		2:1
Traction ropes diamete	r (mm)	8 - 10
Guiding system	Buffered g	uide shoes for greater comfort.
NOTE: CEP-1600 sling cannot he buffered guide shoes.	ave	
Minimum pit (mm)		1.400
Minimum headroom (m	im) ⁽¹⁾	3.800
Entrance		0 - 180°
Door mechanism		Automatic
Panoramic car		Yes
Weatherproof		Yes

(1) Data for installations at 1m/s. Headroom calculated with 2005 mm car internal height.







1.2

Symbio machine room-less lift for larger duty loads with 4:1 roping.

Applications

Shopping centres Hotels Hospitals Offices Larger loads Industrial

Technical characteristics Symbio GC

Rated load (Kg)	3.200 - 5.000
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Travel (m)	Up to 50
Roping	4:1
Traction ropes diameter (mm)	10

Guiding system

Buffered guide shoes for greater comfort.

Note: CEP-1600 sling cannot have cushioned slide chute.

Minimum pit (mm)	1.500
Minimum headroom (mm) ⁽¹⁾	4.000
Entrances	0 - 180°
Door mechanism	Automatic
Panoramic car	Yes
Weatherproof	Yes

(1) Data for installations at 1m/s. headroom calculated with 2005 mm cabin minimum internal height

Advantages

Confort:

Roping 4:1 with pulleys under the car frame, providing excellent stability and great comfort.

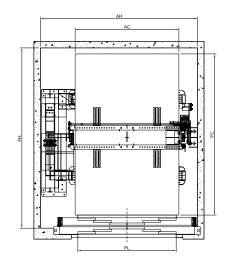
Easy installation:

Self-supported Bedplate, and pulley beam suited to adapt to the shaft.

Adaptability:

Possibility of anti-creep for high specific loads.









1.3

Optimus is the traction lift with or without machine room and is the most shaft-optimised lift on the market. Applications

Residential Refurbishment Existing shafts Modernizations Minimum shaft dimensions

Advantages

Flexibility:

Allows single, double, and triple entrance. Ideal for 90° solutions.

Single-phase:

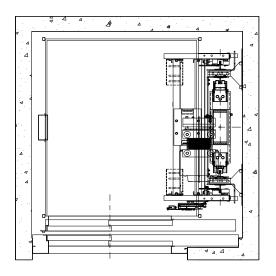
Works on any single-phase 220 V socket.

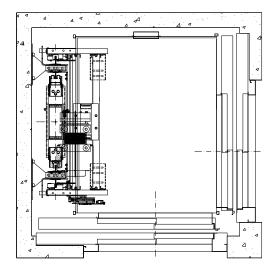
Easy installation:

Self-supporting bed-plate easy to assemble.

Adaptability:

Possibility to design with EN 81.21 standard compensatory measures for reduced pit and headroom. Customised to each client.









Technical characteristics Optimus

Rated load (Kg)	180 - 1.250
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Entrances	0-90° - 180° - 270°
Roping	1:1 2:1
Traction ropes diameter (mr	n) 6,5 - 8,0
Guiding system	Pivoting or rollers on the safety gear side to guarantee operation.

Minimum Headroom (mm) (1) Minimum Pit (mm) Q(Kg) Min pit Min headroom Necessary headroom Necessary pit 450 270 3.250 3.250 270 630 270 3.250 3.250 270 1.250 440 3.000 3.000 440 Up to 50 Travel

Door type	Automatic - Semiautomatic
Restrictive technical measure	270
Panoramic car	Sí
Weatherproof	Sí
Power supply	Single-phase / three-phase

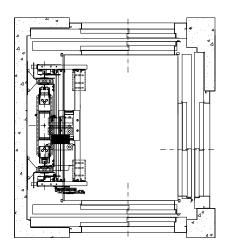
(1) Data for installations at 1m/s. Headroom calculated with 2005 mm

car internal height.

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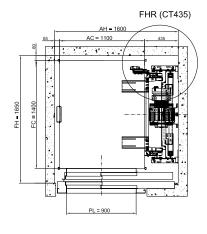
Technical characteristics Optimus FHR

Bespoke Solutions

Rated load (Kg)	180 - 630
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Entrances	0-90° - 180° - 270°
Roping	2:1
Traction ropes diameter (mm)	6,5
Guiding system Pivoting or rol	lers on the safety geagear side to guarantee operation.
Minimum pit (mm)	265
Minimum headroom (mm) (i)	2.400
Travel (m)	Up to 50
Door mechanism	Automatic - Semiautomatic
Restrictive technical measure (mm)	435
Panoramic car	Yes
Weatherproof	Yes
Power supply	Single-phase / three-phase

Restrictive technical measure 435 mm.

Q max: 630 Kg (Qt max: 1550 Kg) Minimum pit: 265 mm. Minimum headroom: 2400 mm. Technical measure: 435 mm.



(1) Data for installations at 1m/s. Headroom calculated with 2005 mm car internal height.

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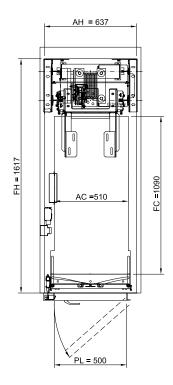
Technical characteristics Optimus GP

Rated load (Kg)	180 - 375
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Entrances	0-90° - 180° - 270°
Roping	2:1
Traction ropes diameter (mm)	6,5
Guiding system	Pivoting or rollers
Minimum pit (mm)	320
Minimum headroom (mm) ()	2.840
Travel (m)	Up to 50
Door mechanism	Automatic - Semiautomatic
Restrictive technical measure (mm)	395
Panoramic car	Yes
Weatherproof	Yes
Power supply	Single-phase / three-phase

(1) Data for installations at 1m/s. Headroom calculated with 2005 mm car internal height.

Optimus GP Shaft width 670mm.

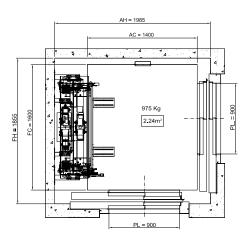
Q max: 375 kg (Qt max: 1165 kg.) Min. pit: 320 mm. Min. headroom: 2840 mm. Restrictive technical measure: 395 mm. Control panel on landing.



Technical characteristics Optimus FHR PR 281

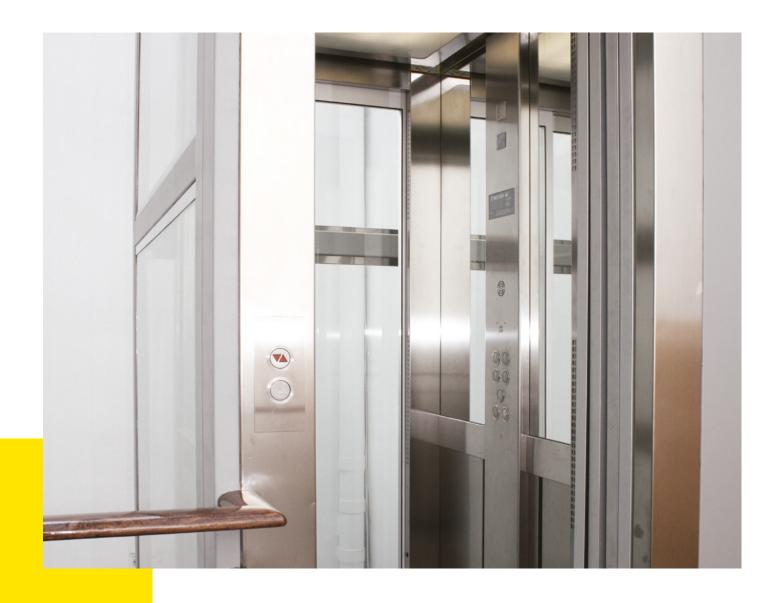
Rated load (Kg)	180 - 630
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Entrances	0-90° - 180° - 270°
Roping	2:1
Traction ropes diameter (mm)	6,5
Guiding system	Pivoting or rollers
Minimum pit (mm)	320
Minimum headroom (mm) ()	2.550
Travel (m)	Up to 50
Door mechanism	Automatic - Semiautomatic
Restrictive technical measure (mm)	350
Panoramic car	Yes
Weatherproof	Yes
Power supply	Single-phase / three-phase

Optimus 81.70 Entrance 90°



(1) Data for installations at 1m/s. Headroom calculated with 2005 mm car internal height.





1.4

Genesis is the conventional traction lift with machine room, available with geared or gearless machine.

Applications

Refurbishment High rise buildings High traffic Modernizations

Technical characteristics Genesis

Rated load (Kg)	300 - 5.000
Rated speed (m/s)	0,5 - 3,0
Machine room	CCM
Travel (m)	Up to 100
Roping	1:1 2:1
Traction ropes diameter (mm)	6,5 - 8 - 10- 12

Guiding system

guide shoes >1.6 rollers

Q (Kg)	Fosos mínimos (mm)		Huidas mínimas () (mm)	
	Foso mín.	Huida mín.	Foso mín.	Huida mín.
450	310	3.310	630	3.015
630	310	3.310	680	3.015
1.500	350	3.310	720	3.335
1.600	420	3.500	720	3.335

Entrances

0 - 90° - 180° - 270°

Door mechanism Automatic- Semiautomatic

Motors	Geared - Gearless	
Panoramic car	Yes	
Weatherproof	Yes	

(1) Data for Installations at 1 m/s. headroom calculated with 2005 mm cabin internal height

Bespoke Solutions

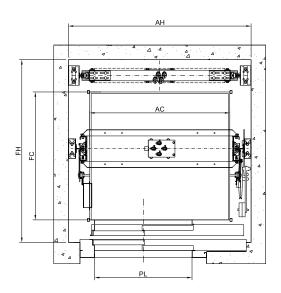
Advantages

Adaptability:

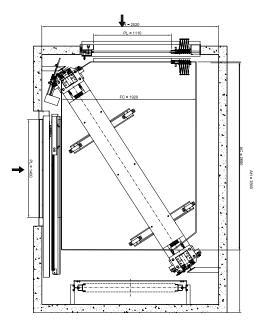
Easy to adapt to existing shafts.

Versatility:

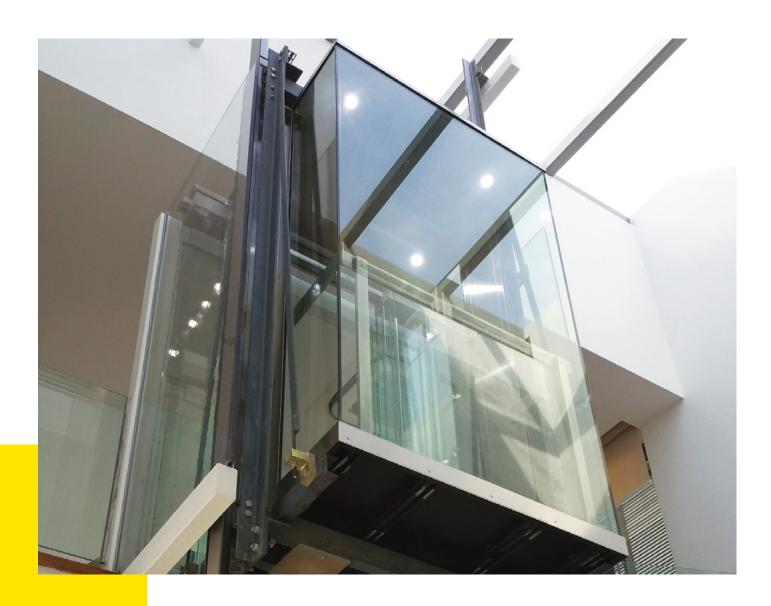
High loads and high travel distance.



Diagonal Guides







1.5

Hydronic is the ideal hydraulic lift for existing buildings, capable of adapting to any shaft type.

Applications

Residential Refurbishments Existing shafts Modernizations Minimum shaft dimensions

Advantages

Versatility:

We adapt each lift to each different shaft optimizing spaces.

Reduced pit and headroom:

In existing buildings, we adapt our lifts in compliance with the Regulations for pit and headroom. (EN 81.21).

Confort:

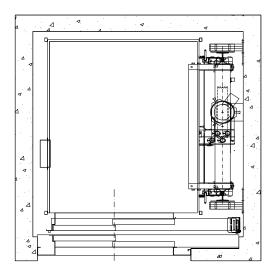
Excellent level of comfort, equivalent to a traction lift using electronic valves

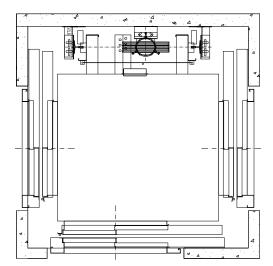
Adaptability:

Easy control and maintenance.

Safety:

Automatic emergency system always active during the descent, even in the event of power failure.







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Technical characteristics

Rated load (Kg)	180 - 1.800
Rated speed (m/s)	0.3 – 0.63 (1m/s optional)
Machine room	MR / Power unit cabinet/ MRL Tank in pit
Entrances	0-90° - 180° - 270°
Roping	1:1 2:1
Traction ropes diamete	r (mm) 8,0 - 10,0 - 12

Guiding system Pivoting or rollers on the safety gear side to guarantee operation

м	Minimum Pit (mm)		Minimum Headroom (mm) 🖤		
Q (Kg)	Min. Pit	Necessary headroom	Q (Kg)	Mín. Headroom	Necessary pit.
320	250	2.730	320	250	2.730
630	265	2.655	630	265	2.655
1.000	350	3.010	1.000	350	3.010
1.250	350	3.010	1.250	350	3.010
1.800	350	3.020	1.800	350	3.020

 Travel
 Up to 25

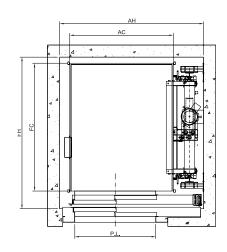
 Door type
 Automatic - Semiautomatic

 Restrictive technical measure
 GMV - MORIS - BUCHER

 Panoramic car
 Yes

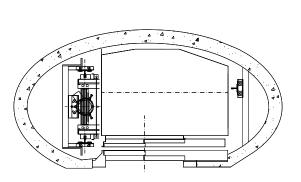
Weatherproof



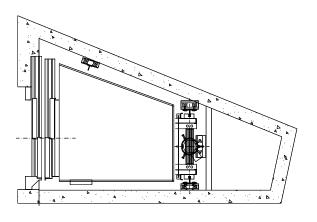


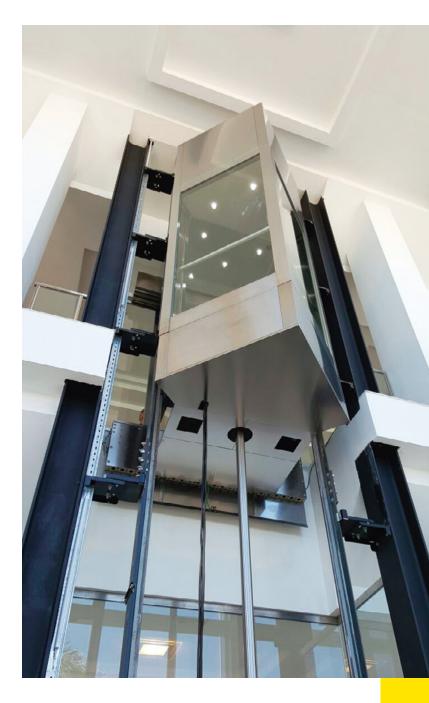
Yes

Panoramic

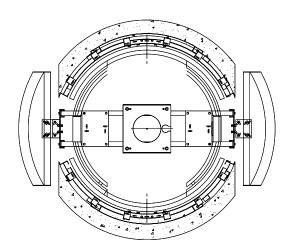


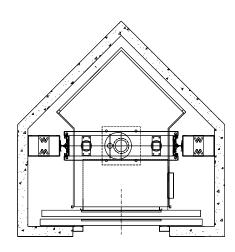
Irregular shaft



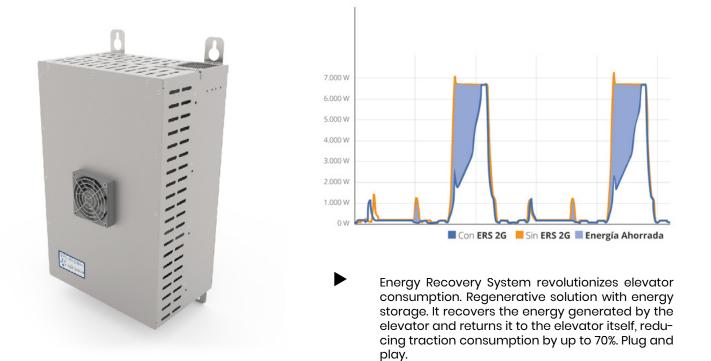


Borehole piston





ERS 2G – Energy Recovery System



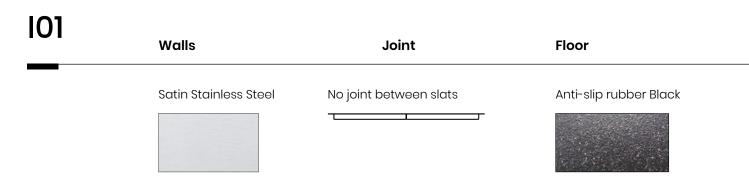
P2S – plug to single-phase



Your Partner In Lift Solutions.

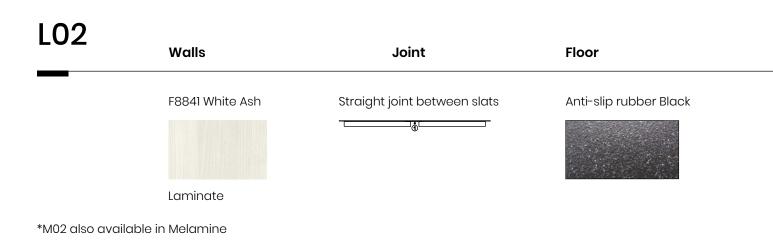




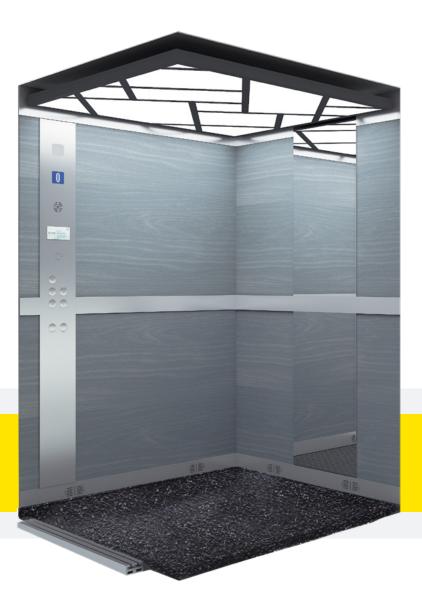


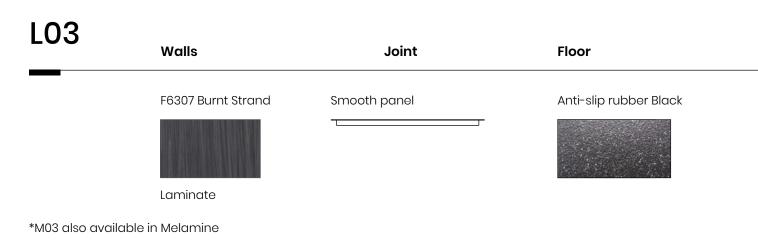






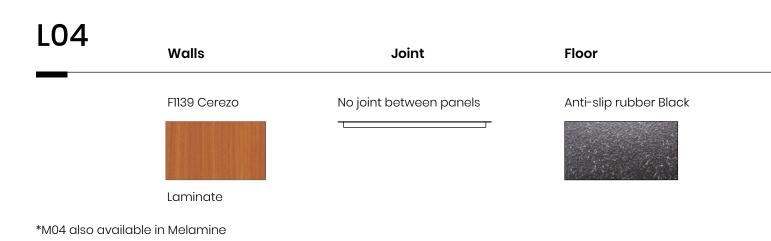






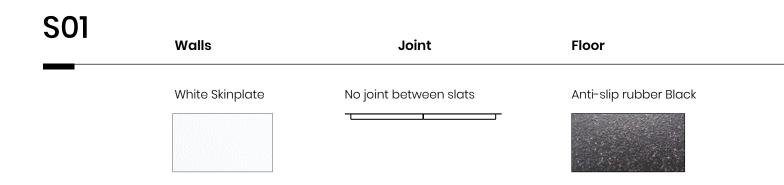
















CHO1 Joint Flor Beige RAL 1019 No joint between slats Sahara Winds Fainted Sheet Fainted Sheet



Quartz

Walls White RAL 9003

Smooth panel

Joint

Floor

Stellar Black



Back painted glass



Matrix

Square Shaped Cars with different in the arrangement of the glass walls.

Models M100, M200, M300: Framed glass.

Models M100d, M200d, M300d: Frameless glass.





M100













M300d

We have a multitude of shapes for panoramic cars with one or more glass walls.



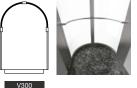
Vector

Polygonal or curved cars, with or without joints between glass panels.

Models V100, V300: Framed glass

Models M100d, M300d: Frameless glass







For model & load compatibility, please ask for advice.



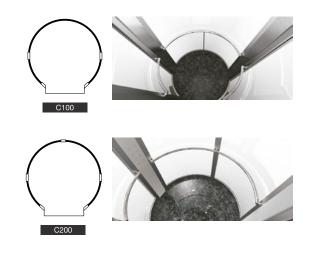


Century

Cabinas acristaladas completamente circulares

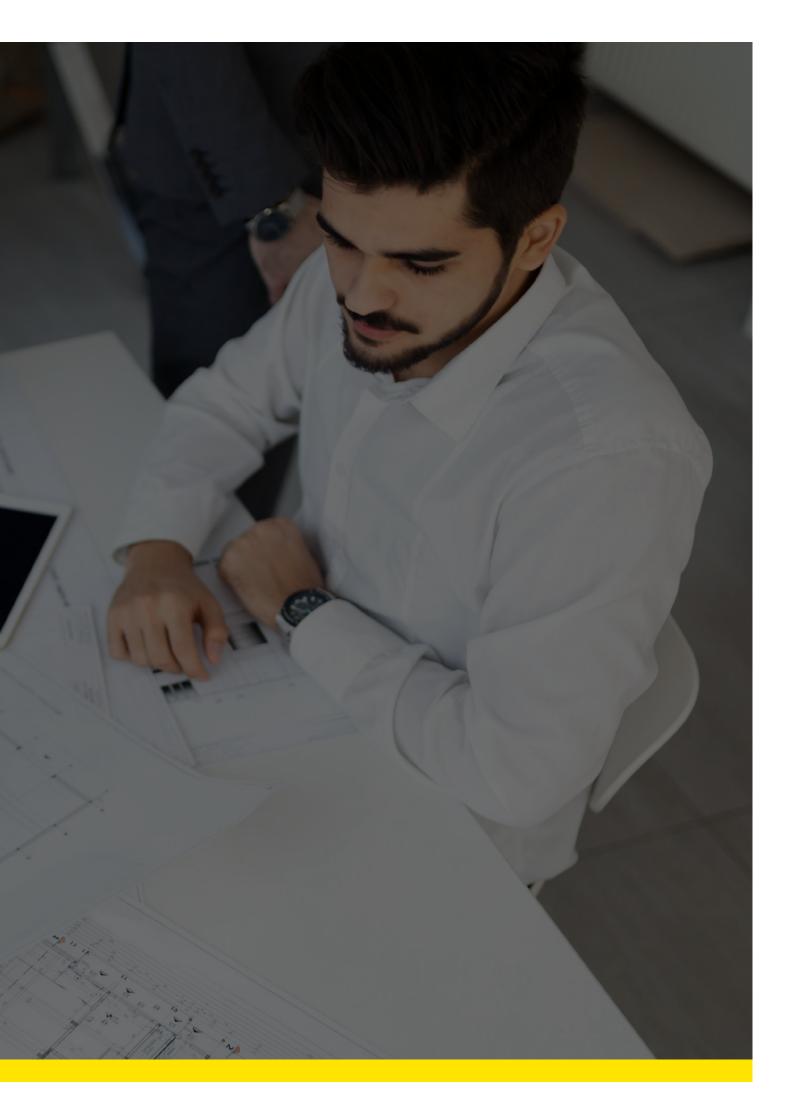
Modelos C100: Unión entre cristales enmarcado con perfiles.

Modelos C200: Unión entre cristales sin perfiles.





Your expert and trustworthy partner



2.3

Car finishes

Available any other finish from:

Stefolor.

ΜΕΧ

GROUP

Walls

Skinplates

Vhite	Simil stainless steel	Stainless Steel	Grey
Cream	_		
Painted Sheet			
White RAL 9016	Beige RAL 1019	Pearl Light Grey RAL 9022*	
Metallic grey RAL 9006	Black RAL 9005	Blue RAL 5005	-
* Tariff Type 2			
)		
Back painted glass (un	der request)		
Back painted glass (un Matte (Tariff Type 3)	der request) Gloss		
	-		
	-	Metallic grey RAL 9006	Black Starlight RAL 0337*
Matte (Tariff Type 3)	Gloss	Metallic grey RAL 9006	
Matte (Tariff Type 3)	Gloss	Metallic grey RAL 9006	
Matte (Tariff Type 3) Oyster white RAL 1013	Gloss White RAL 9003*	Aluminium RAL 9007	Black Starlight RAL 0337*

Stainless Steel





Leather



						-		-			-		-	-	
100	 -	-	-	 		-		-	 -		-		-	 -	 -
					-		-			-		-			
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					-										

Linen

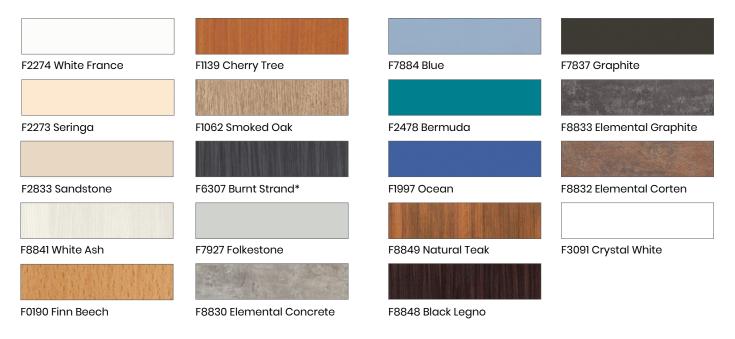
Polished

Canvas

Car finishes

Laminated (in stock)

Laminated (under request)



*Tariff typo 3

* Other formicas available at https://www.formica.com/es-es

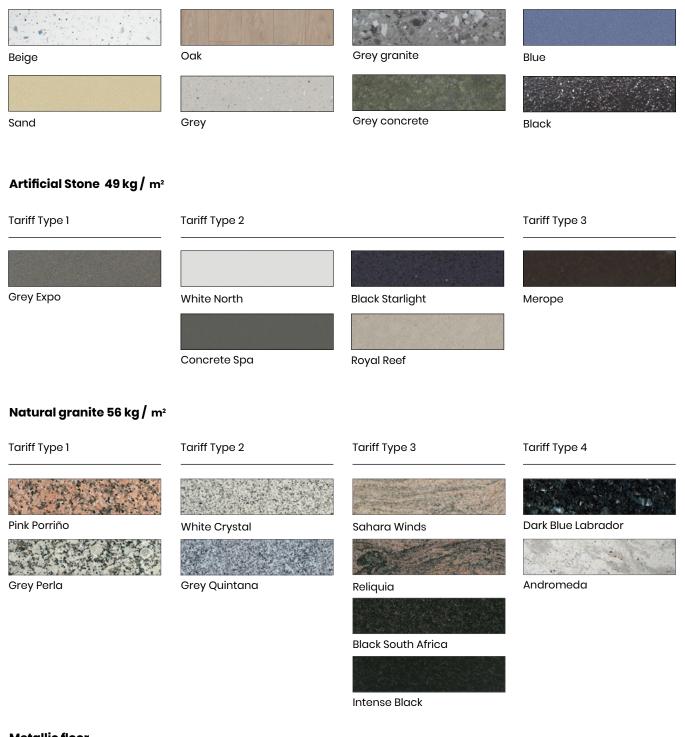
Colors shown may vary from the actual color depending on the computer monitor settings or the printing conditions.

Melamine		
Cream	Cervine Pine	Dark Oak
Grey	Beech	
Chocolat	Cherry tree	
Blue	Habana Linen	

Not in compliance with the standard EN 81.20

Floors

Anti-slip rubber 4,5 Kg / m²



Metallic floor



Aluminum checkerboard 6 Kg/m²



Stainless steel 12 Kg/m²

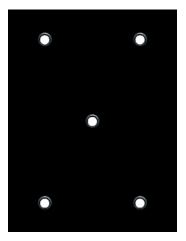


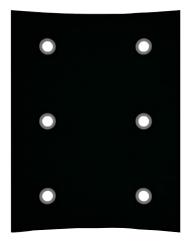
Steel durbar plate 36 Kg/m²

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Car finishes

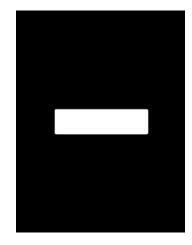
Ceilings



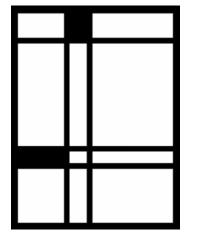


LED spots

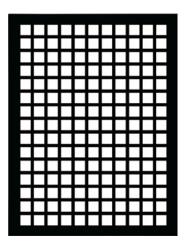
Curved LED spots



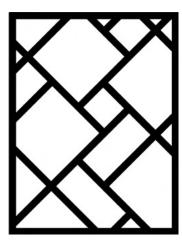
LED Strip



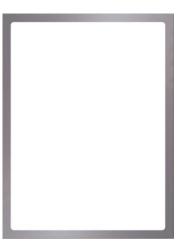
Mondrian



Mosaic







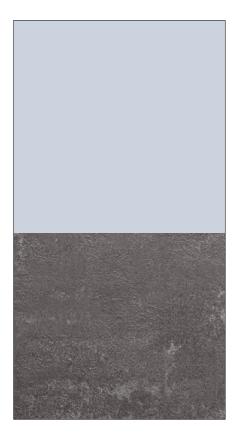


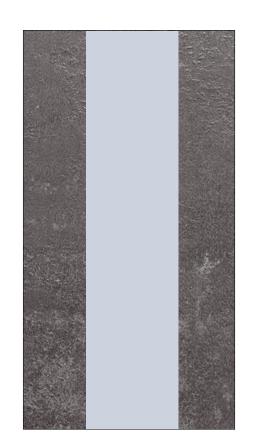
Marco

▼

All ceilings can be selected in white, black and stainless steel finishes.

Mirror





1/2 Height

Slat mirror

Handrail

Full mirror

STANDARD EN 81-20





- 1. Rectangular stainless steel.
- 2. Rectangular skinplate.
- 3. Straight tubular polished St. Steel.
- 4. Curved tubular satin St. Steel.
- 5. Curved tubular polished St. Steel.
- 6. Curved tubular painted black.

Technical Catalogue

Automatic door



Primed Stainless steel



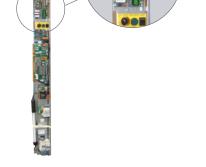
Folding Bus door big vision panel



Big vision panel



Full glass stainless steel frame



 Control panel in door frame.
 Available for Carlos Silva, Elec Megom, Sprinte and New Lift.



RALOE

Semi-automatic doors

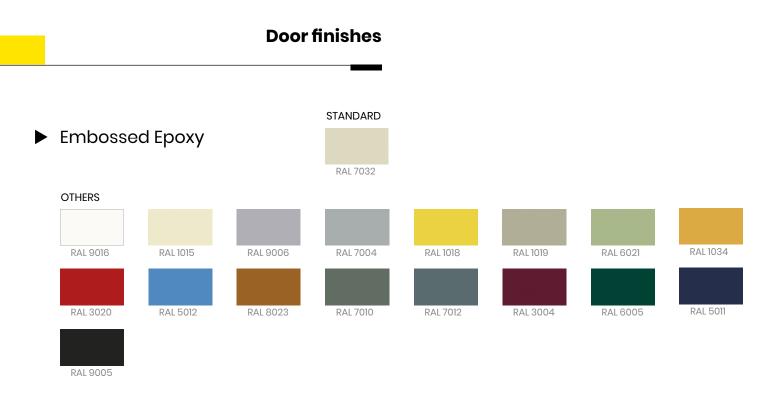


Standard Vision panel



Big vision panel

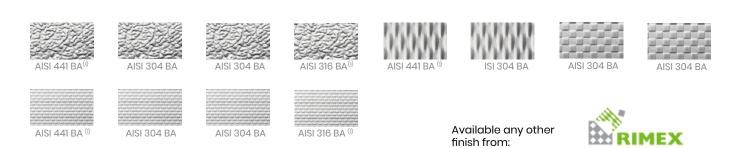




Smooth Stainless steel

STANDARD							
AISI 441 2B/BA	AISI 304 2B	AISI 316 2B	AISI 441 2B	AISI 304 2B	AISI 304 2B	AISI 316 2B	AISI 316 4N
DECORATIVE							
AISI 304 BA	AISI 304 BA	AISI 316 BA	AISI 304 BA	AISI 304 BA	AISI 304 BA	AISI 304 BA	

Patterned Stainless steel





2.5 Operating panels & Indicators

Car Operating panels



RALOE

With engraving

on steel plate

Bas 120

US90 Jumbo

SURFACE mounted

Landing operating panels







Surface mounted

Surface mounted

With Display





















RALOE

With transparent window plate

US95 Jumbo

Bas 120 Black



















RT42













B3 (Arkel)

DIRECTIONAL ARROWS



US91-EN









B3 Black (Arkel)







AT33RM

Indicators











V2-P (Arkel)

RETRO

46













US95-EN







































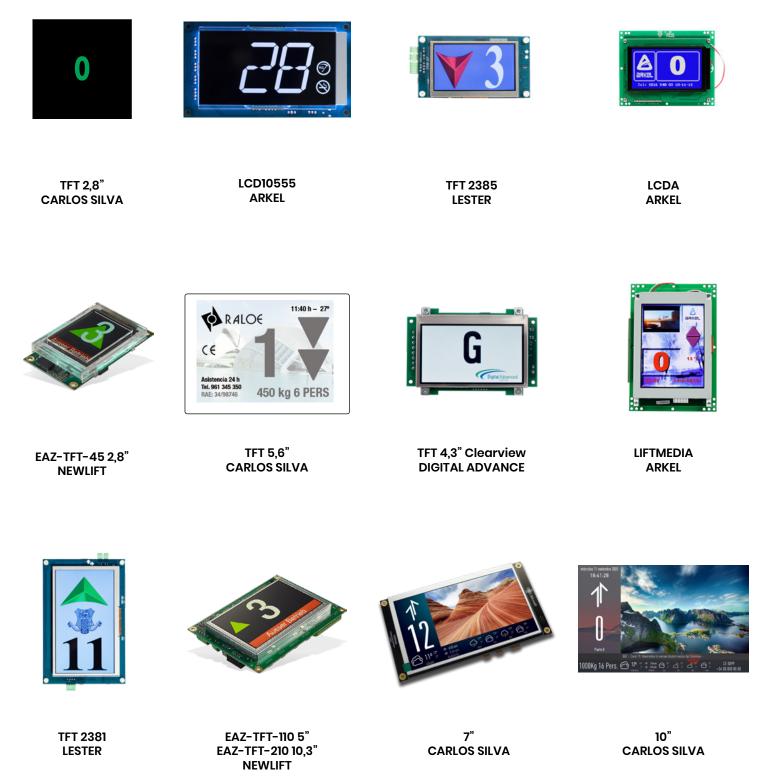






2.5 Botoneras y Displays

Displays



Technical Catalogue

Your Partner In Lift Solutions.





2.6 Structures

The structures for Passenger Lift and Home Lift give us flexibility, by eliminating architectural barriers and bringing solutions for the total accessibility.



STRUCTURES

Colors

Advantages

The assembly time is reduced by over 60% compared to an installation with traditional construction system, with a clean, fast, and quiet product.

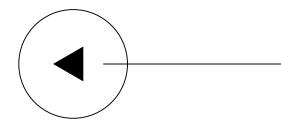
Absolutely respectful with the environment, both in the assembly process and industrial development.

Ease of assembly, makes this product highly simple to operate complying with the higher safety standards.



Characteristics

Multi-purpose technical solution for every building, they can be adapted to the different constructive requirements. TC series are designed to be integrated in the existing building and its environment.





Ceiling (metal sheet or glass)



Roof over door (metal sheet or glass)



Handrail



Ventilation





Transparent glass



Frosted glass



Total glass



Blind sheet



Mesh sheet



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Q

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