RALOE

Your Partner in
Lifts Solutions.

General
Catalogue

EMESA Savera Fermator

RALOE

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1. RALOE

1.1 WHO ARE RALOE

We are a benchmark company in the elevation sector. We have **more than 50 years of experience designing and marketing Lifts and Components** for professionals in the sector all over the world.

Dedicated and committed to the quality and excellence of client service, we have specialised in specific projects and customised to the special needs of our clients. Raloe is one of the firms with the most technological development in the sector. Our Technical Department and I+D+i work together **to design lifts and provide the optimum technical solution in every case.**

Since 1984, we have been opening branches to be close to our clients. Our long company trajectory, the qualification of our more than 125 professionals and the quality of our services have driven forward our global plan, and we have a presence in more than 60 countries. We are constantly expanding in order to guarantee the best service, offer integral solutions to needs of our clients and be their best partner in lifts solutions.

Your Partner in
Lifts Solutions.

1.2 OUR **PARTNERS**

EMESA

Company equipped with the latest technology in design engineering and production. The factory has a surface area of 50,000 m2 of which 12,000 m2 are built, in a modern production plant equipped with the most modern technology for sheet metal processing. The plant also includes various assembly units specifically designed for its car assembly processes, car frames, counterweight car frames and all types of accessories.

Fermator

It is the world's largest single-product manufacturer of automatic lift doors. Fermator doors are distributed in all continents, with installations in low, medium and high range lifts, as well as residential, business buildings, airports, hotels and public buildings

"Unity is strength"

We have the extensive experience of **our partners and great specialists in the sector, Fermator, Savera Group and Emesa.**

Together with them, we have been investing for years in technical and technological progress, both in the design of lifts and in computer equipment. Enabling us to give the best service to our clients throughout the design process, marketing of our products and after-sales assistance.

Savera

World-wide leader in the manufacture of Lift Guides. Since its launch in 1967 and with its headquarters in Vera de Bidasoa (Navarra), it has a presence in the 5 continents with a trajectory based on leadership, international vocation, research and development and quality.

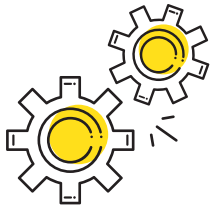
1.3 **OUR TEAM**

We have a team of **more than 125 specialized professionals, with extensive experience in the sector and vast product knowledge,** which offers technical advice on lifts and their components, and provides the best service throughout the marketing process of our products, as well as after-sales assistance to our clients.

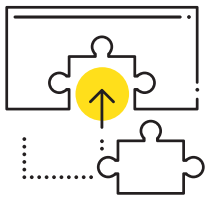
A young and highly qualified team that combines experience and enthusiasm for what it does. A team that truly cares about the client and works every day so that Raloe is considered a strategic partner that provides the best solutions and services to its clients.

2. WHY **RALOE**

Your Partner in **Lifts Solutions**.

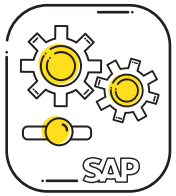


High production capacity



Customised solutions

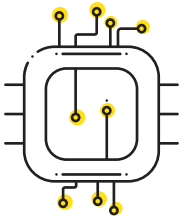
Experience and trust



High level of automation

Quality and reliability

Service and closeness



Always innovating

International presence

1. High production capacity

The formula to produce more and better

Our experience of more than 50 years, combined with the long experience of our partners, leading companies in the sector, Fermator, Savera Group and Emesa, and the innovative spirit and continuous improvement of our team of more than 125 specialized professionals, our ERP software "SAP", and the efficiency of our warehouse, allows us to obtain a large production capacity.

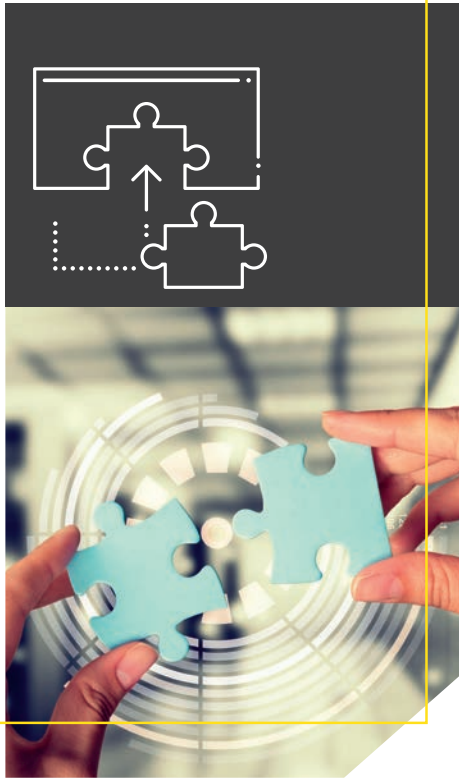
We encourage our clients to visit the factories so that they can check the production capacity out on site.

2. Customised solutions

We find the best solution anywhere

We are specialists in developing specific projects customised to the special needs of our clients. We also specialize in lifts for existing buildings with extreme heights.

We have carried out projects in several continents for different demanding environments in the segment of commercial and special products: airports, hospitals, sports centres, museums, large shopping centres, etc.



3. Experience and trust
Your expert and reliable partner

We have more than 50 years of experience involved and committed to quality and excellence in client service.

Our experience is reflected in the more than 3,500 clients who have trusted us over the years, and in more than 40,000 lifts installed.

That is why we have members of our team located in several cities of Europe to provide a faster and more direct service to our clients.

We also have a modern and complete Showroom in our facilities so that our clients can see the complete lifts on site.

4. High level of automation
We are committed to new technologies

Raloe has the most technological development in the sector. Since our origin, we have constantly invested in new technology.

We are equipped with state-of-the-art technology for electronic processes and telematic communications that provide us with a high level of automation.

5. Quality and reliability
Quality and excellence in client service

The quality of our products is guaranteed by the controls that we carry out in the Technological Institutes. Exhaustive tests are carried out that guarantee the effectiveness and safety of our products, as well as the fulfilment of the applicable rules and regulations.

This continued effort and rigor to offer the highest quality, allows us to fulfil all EU regulations, ensuring the compliance with applicable regulation, **DIRECTIVE 14/33/EU.**

6. Service and closeness
Always close to our clients

Our team of more than 125 specialized professionals can offer technical advice on lifts and their components providing the best service throughout the process of marketing our products, as well as after-sales assistance.

We offer a wide range of opening hours and we have on-site sales representatives. We also make periodic visits to be always close to our clients and offer the best service.

7. Always innovating
The value of innovation

At Raloe, our priority is research and development.

For years we have been investing in technological advances in the design of lifts, tools, new products and computer equipment, and we are always innovating in order to offer the best service to our clients.

Our range of lifts covers most of the different types of needs raised by clients.

8. International presence
A company in continuous expansion

Our long business trajectory, the qualification of our more than 125 professionals and the quality of our services have driven our global plan.

For more than 10 years we have been exhibiting at prestigious international fairs in the sector. We have a presence in more than 60 countries to guarantee the best service and offer integral solutions to our clients.

3. SOLUTIONS

3.1 OUR **SYSTEM**

At Raloe we use the successful **SAP (ERP software)** that provides a powerful product configuration system based on artificial intelligence.

ARES (Automatic Raloe Elevator System) and our wide range of available products allow us to customize the product and offer the most complex customized solutions.

ARES Automatic Raloe Elevator System

"ARES" is a powerful system developed by Raloe's technical team based on the SAP (ERP software). This system was launched by Raloe in June 2008 and has successfully optimized the lift sales process over the years.

Since its creation, "ARES" has been improve by engineers with over 6,000 modifications. Today "ARES" is a mature expert system with more than 90,000 features and more than 13,000 knowledge rules.

"ARES" helps us in the lift bidding and ordering process by making the process more reliable and the product better, from bidding to delivery to the client. In addition to ensuring technical validation of the product and optimal quality levels.

Detailed documentation automatically:

- Drawings
- Assembly Manuals
- O&M Manual

3.2 **OUR SUPPLIERS**

Machine

SICOR
LEROY-SOMER
CEG
ZIEHL-ABEGG
ALBERTO SASSI HIGHER LIFT TECHNOLOGY

Control Panel

Carlos Silva S.A.
Digital Advanced CONTROL
Lester CONTROLS
sprinte
NEWLIFT
ARKEL
elecmegom

Doors

Fermator
MEILLER TÜREN
WITTUR

Operating Panels and Push Buttons

IBST
SCHAEFER
sprinte
dewhurst

Hydraulic equipment

MORIS
GMV
BUCHER HYDRAULICS

Guide rails

Savera

3.3 **PRODUCT PORTFOLIO**

Passenger Lift

16 **Symbio** / Traction / Gearless

20 **Symbio Large Loads** / Traction / Gearless

22 **Optimus** / Traction / Gearless

26 **Genesis** / Traction / Geared and Gearless

28 **Hydronic** / Hydraulic

Freight Lift

32 Hercules

Car Lift

34 Parking Lift

Car Lift

Machinery Directive

36 **Taurus**

Homelift

Machinery Directive

38 **Beltus** / Traction

42 **Armony** / Hydraulic

45 **Armony Lite** / Hydraulic

Stairlift

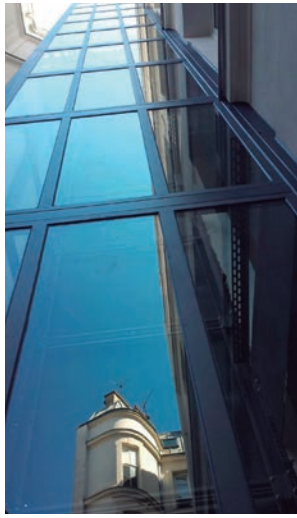
Machinery Directive

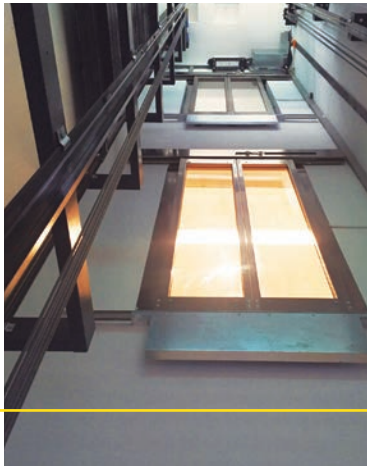
46 **Stylus**

3.4 **PRODUCT** DEVELOPMENT

Always innovating, our wide range of lifts covers the most different needs, so that our clients can adapt to an increasingly changing and competitive world.

We are specialists in the development of precise projects, we offer the most complex customized solutions.



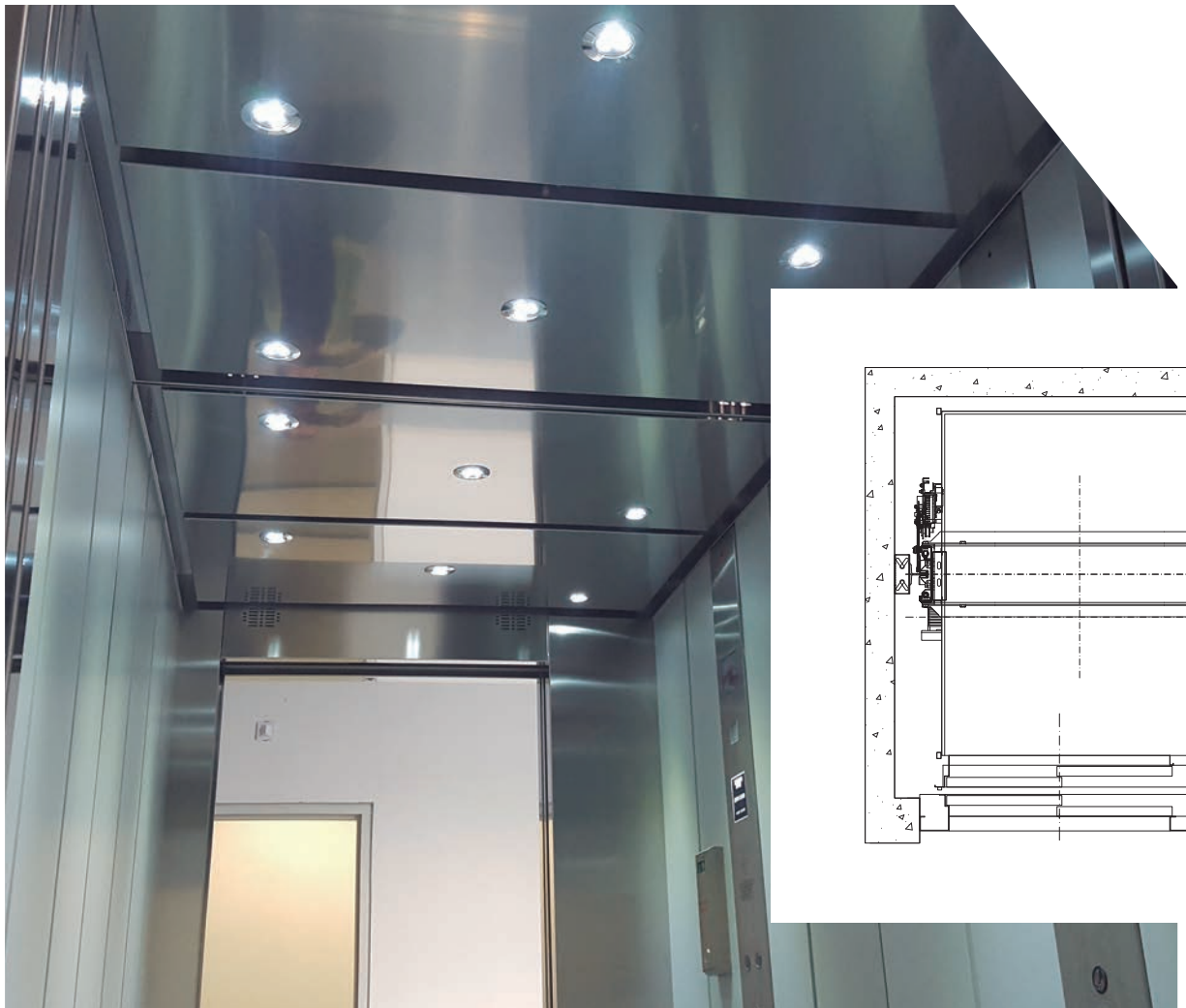


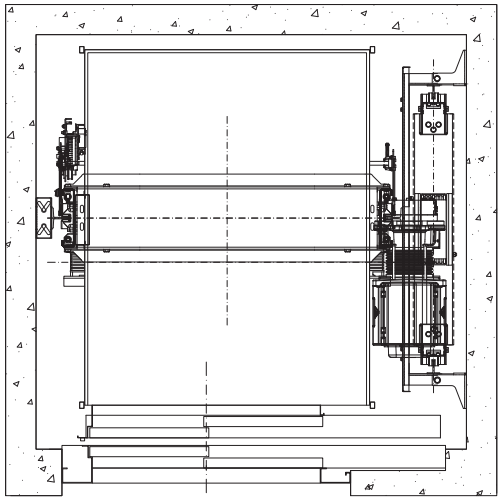
Traction / Gearless

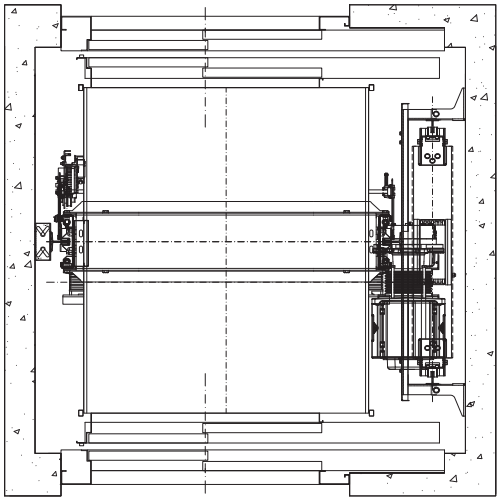
Passenger Lift

SYMBIO

Symbio is a traction lift, with machine room or machine room-less, able to adapt to any need of shaft, pit or headroom. Wide range of loads.







Applications

- Residential Buildings
- Shopping Centers
- New Constructions
- Hotels, Hospitals
- Offices
- Stretcher Lifts
- High-rise Buildings
- High traffic

Advantages

Both for new buildings and existing shafts with reduced pit and headroom. (EN 81.21).

Versatility:
The machine room is not necessary, providing greater design freedom for the building. Despite which is the new construction shaft lift par excellence, is adaptable to an infinite number of shafts. Special shafts.

Flexibility / Adaptability:
Customized to each client. Wide range of loads,sizes and speeds. Robust, resistant and reliable.Possibility to place the control panel both in the frame of the landing door(width 120 mm) as in landing. Line TensionTriphasic or Monophasic.

Comfort:
Thanks to the configuration with centered car frames and roping 2:1, maximum comfort level is guaranteed during movement with minimal acoustic contamination.

Great durability:
Reduced maintenance. The device has a longlife and repairs are practically nil.

Easy installation:
Plug and play, developed design. Self-supporting bed plate supported on the guides themselves.

Technical Features

Duty speed:	Up to 3 m/s
Duty load:	Up to 3000 kg
Roping:	2:1
Standard pit:	1200 mm.
Standard headroom:	3600 mm.

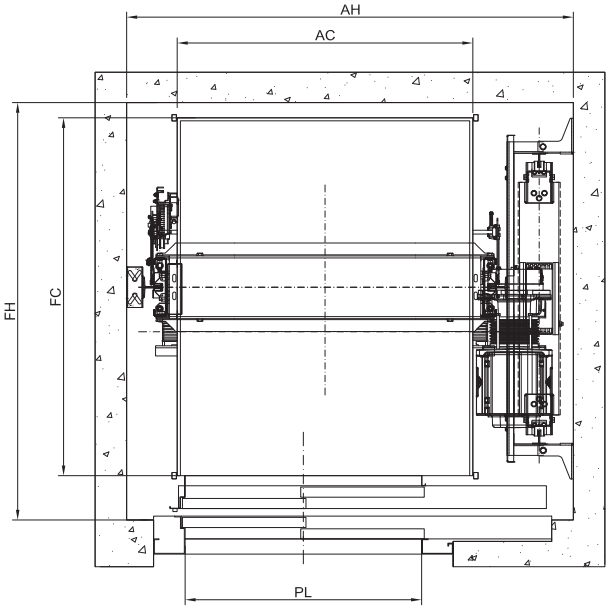
Manufacturers

Car Frame	EMESA y TTV
Machines	SICOR, LEROY SOMER, CEG, ZIEHL-ABEGG, SASSI
Doors	FERMATOR, WITTUR, MEILLER
Control panel	CARLOS SILVA, SPRINTE, NEWLIFT, DIGITAL ADVANCE, ARKEL, LESTER, MEGOM
Pushbuttons	BST, SCHAEFER, DEWHURST

Standard sizes

Q (kg)	AH	FH	AC	FC	PL
320	1400	1250	900	1000	700
450	1500	1500	1000	1250	800
630	1600	1660	1100	1400	900
800	1920	1750	1300	1500	900
1000	1600	2350	1100	2100	900
1250	1960	2460	1300	2200	1000
1500	2130	2700	1400	2400	1200
2000	2290	3050	1500	2700	1300
2500	2630	3050	1800	2700	1600
3000	2730	3050	1900	2700	1600

* Data for installations at 1 m/s with single entrance, automatic doors, standard pit and headroom. Other configurations or shaft sizes, on request.



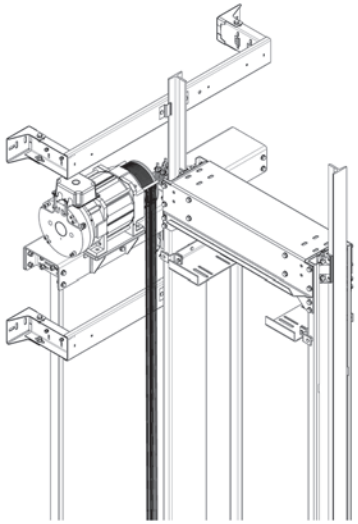
	Low Pit (EN81.21)		Low head (EN81.21)	
Q (kg)	Low Pit (mm)	Required headroom (mm)	Low Head (mm)	Required pit depth (mm)
450	310	3310	2600	630
630	310	3310	2600	680
1500	350	3310	2600	700
1600	420	3500	2640	730

* Data for installations at 1 m/s. Intermediate pit and headroom sizes, on request. Minimum calculated headroom with a car interior height of 2005 mm.

Customised solutions

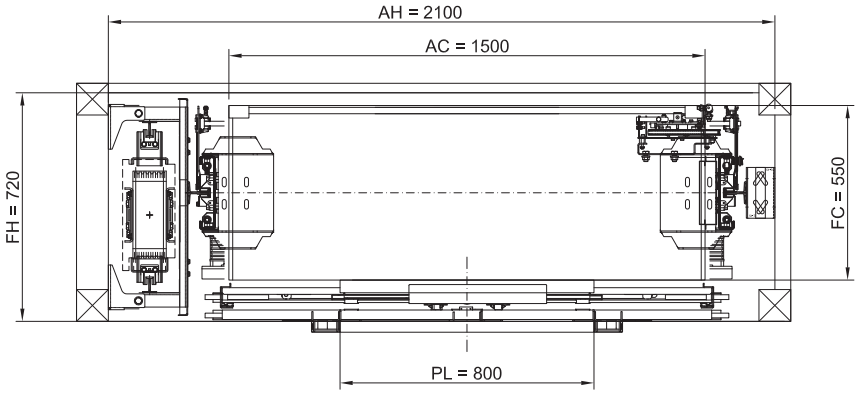
Symbio HR
Headroom 2600 mm.

Maximum load: 1500 kg.
Maximum speed: 1 m/s.
Car interior height: 2005 mm.
Landing control panel cabinet.



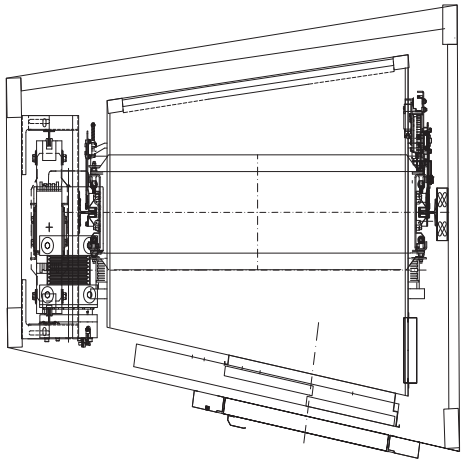
Symbio PF
Shaft depth 720mm.

Maximum speed: 1 m/s.
Landing control panel cabinet.



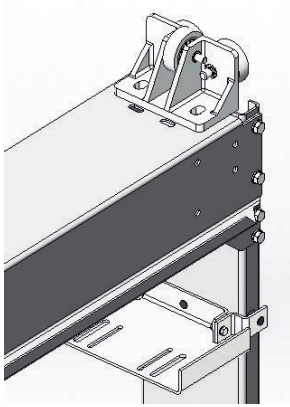
Special solutions

Possibility of special configurations for irregular shafts.



High speeds
V = 3 m/s

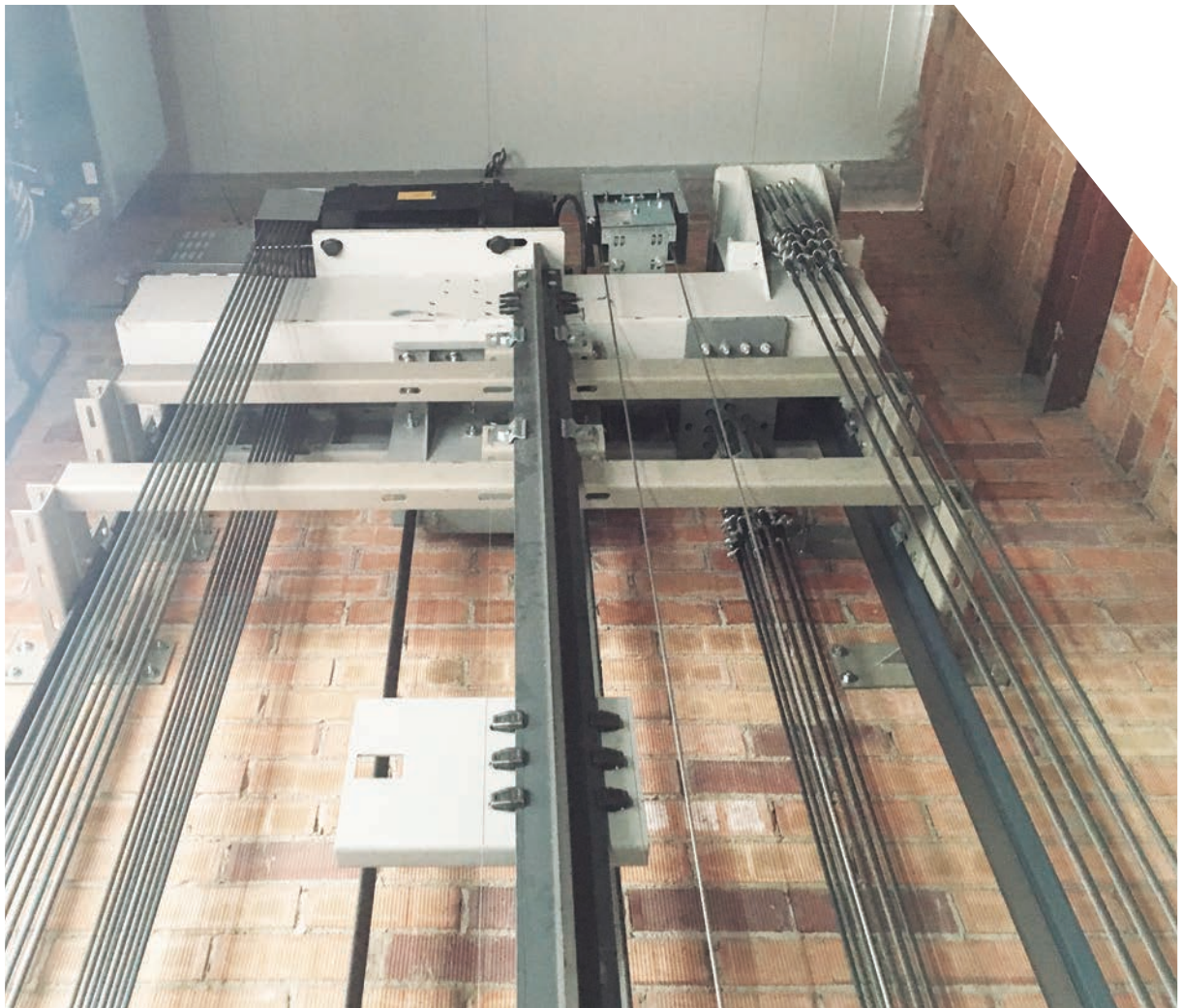
Speeds ≥ 1.6 m/s, triple roller guiding.
Maximum comfort



Passenger Lift

SYMBIO LARGE LOADS

Machine room-less Symbio Lift prepared for large loads with roping 4:1.



Applications

- Shopping Centers
- Hotels
- Hospitals
- Offices
- Large loads

Advantages

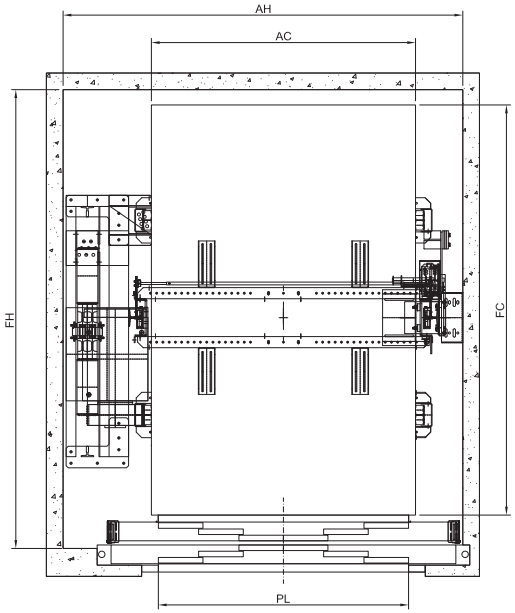
Comfort:
Roping 4:1 with pulleys under the car frame, providing excellent stability and great comfort.

Optimization:
Self-supporting bed plate and pulley beam prepared to adapt to the shaft.

Adaptability:
Possibility of anti-creep for high specific loads.

Manufacturers

Car Frame	TTV
Machines	SICOR, CEG, ZIEHL-ABEGG, SASSI
Doors	FERMATOR, WITTUR, MEILLER
Control panel	CARLOS SILVA, SPRINTE, NEWLIFT, DIGITAL ADVANCE, ARKEL, LESTER
Pushbuttons	BST, SCHAEFER, DEWHURST



Standard sizes

Q (kg)	AH	FH	AC	FC	PL
3500	3000	3400	2000	3000	1800
4000	3100	3500	2100	3150	1900
4500	3200	4000	2200	3400	2000
4800	3200	4200	2200	3600	2000

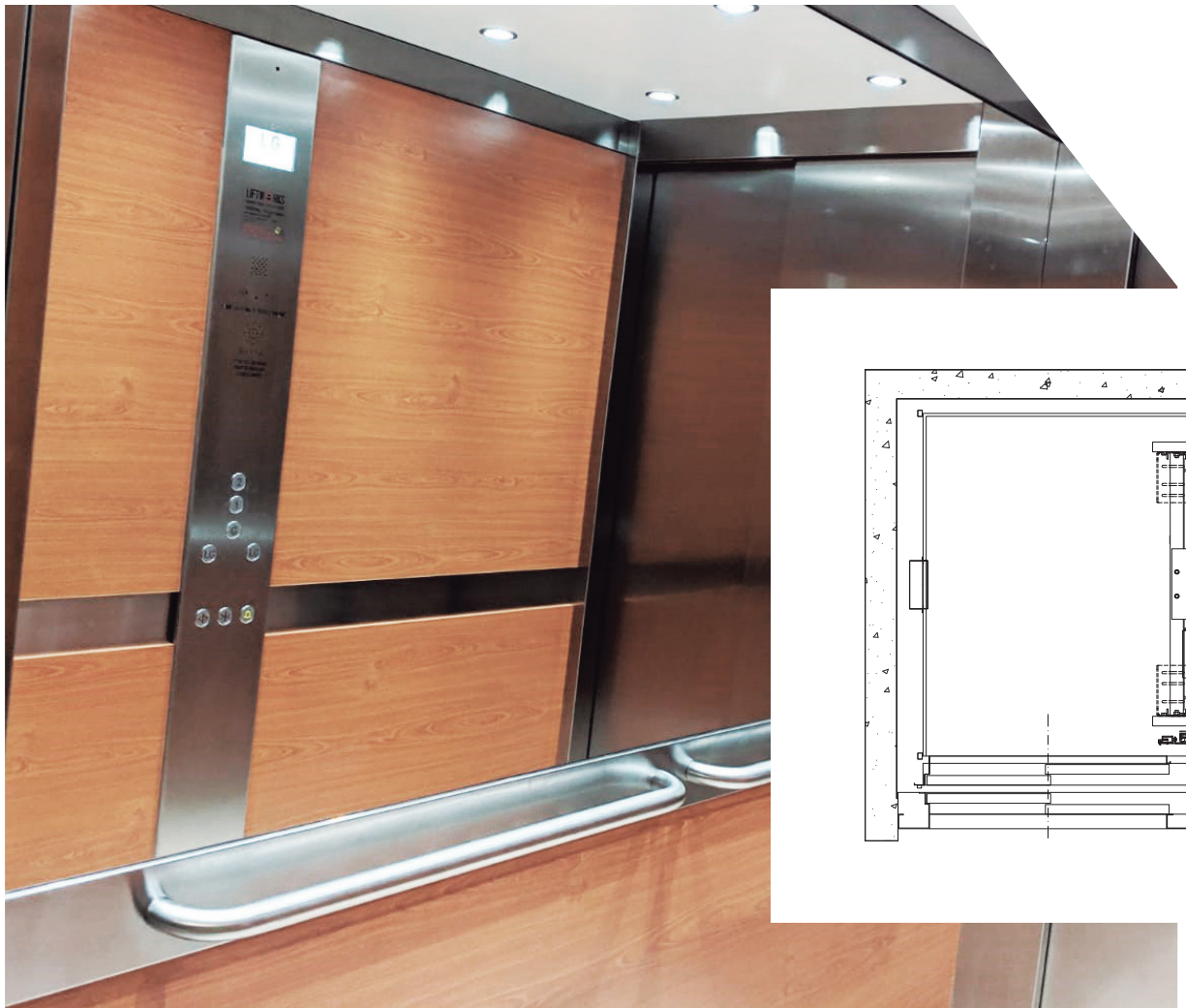
Technical Features

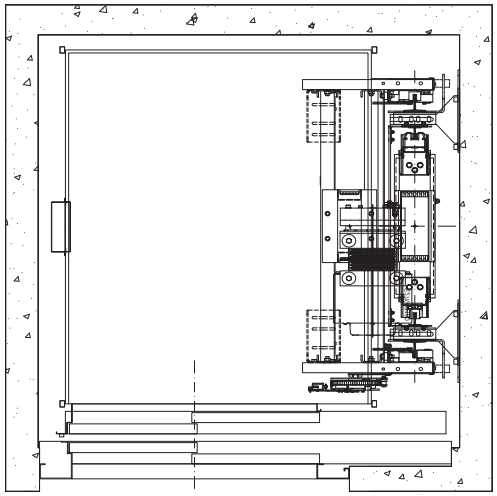
Duty speed:	0,5 m/s being able to reach up to 1 m/s
Duty load:	4800 kg.
P+Q	8000 kg
Ropes	10 mm.
Roping	4:1
Standard headroom:	4500 mm.
Minimum headroom:	4200 mm.
Standard pit:	1500 mm.
Minimum pit	1400 mm.

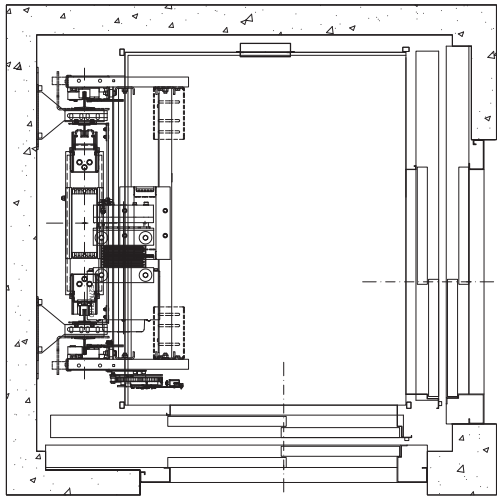
Passenger Lift

OPTIMUS

Optimus is the machine room-less traction lift that most optimizes the shaft in the market.







Applications

- Residential buildings
- Modernizations
- Existing shafts
- Refurbishment
- Reduced shafts

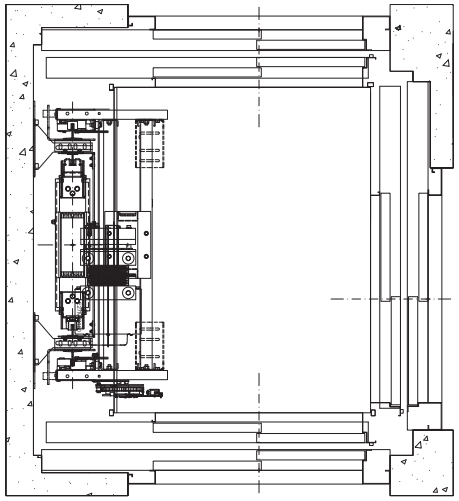
Advantages

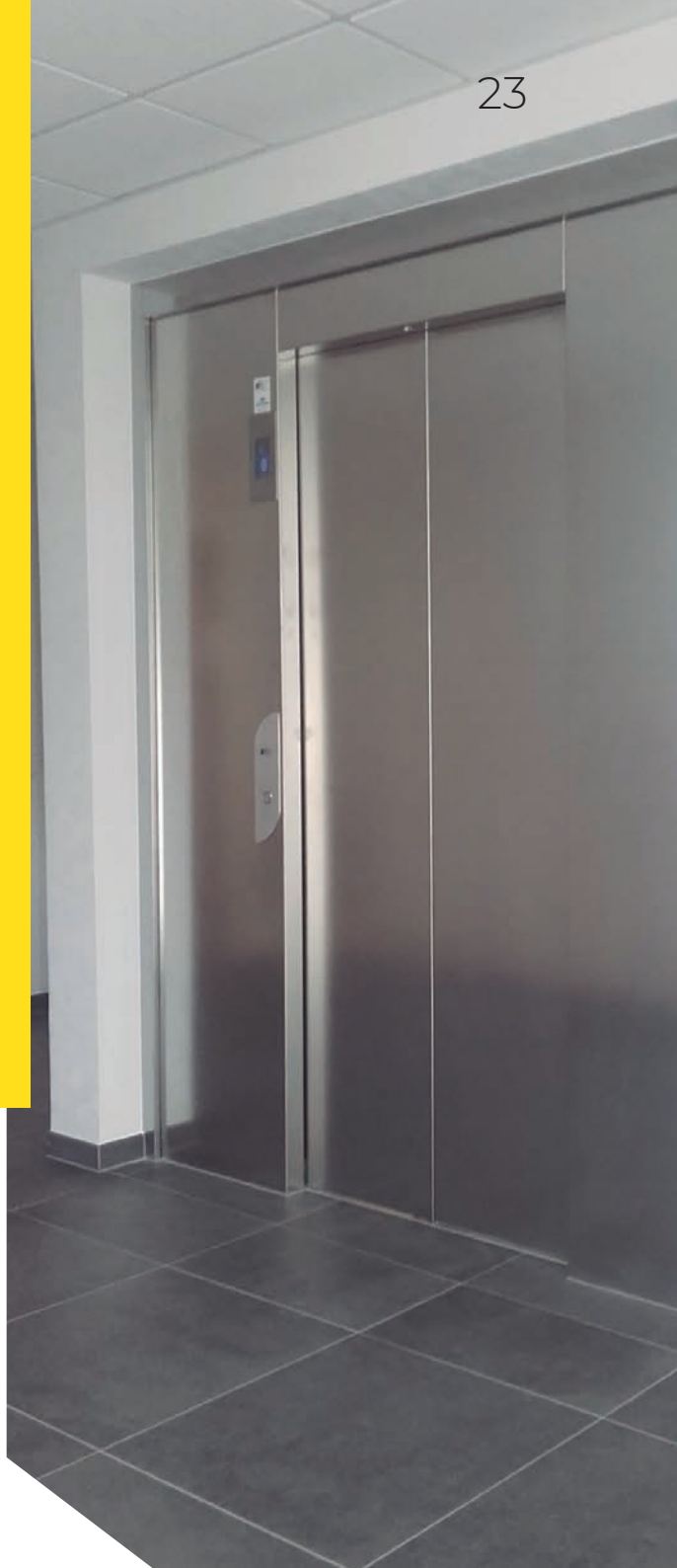
Flexibility:
Allows single, double and triple entrance. Ideal for 90° solutions.

Single-phase:
Works on any single-phase 220 V socket.

Easy installation:
Bed plate easy to assemble. Self-supporting.

Adaptability:
Possibility to design it with EN 81.21 standard for reduced pit and headroom. Customised to each client.





Technical Features

Duty speed:	Up to 1 m/s
Duty load:	Up to 1250 kg.
Roping:	1:1 - 2:1
Standard pit:	1200 mm.
Standard headroom:	3600 mm.

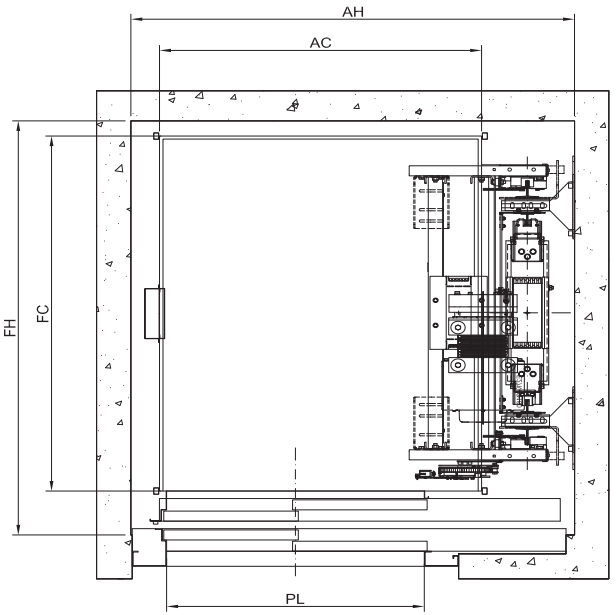
Manufacturers

Car Frame	EMESA y TTV
Machines	SICOR, LEROY SOMER, CEG, ZIEHL-ABEGG, SASSI
Doors	FERMATOR, WITTUR, MEILLER
Control panel	CARLOS SILVA, SPRINTE, NEWLIFT, DIGITAL ADVANCE, ARKEL, LESTER, MEGOM
Pushbuttons	BST, SCHAEFER, DEWHURST

Standard sizes

Q (kg)	AH	FH	AC	FC	PL
320	1280	1250	900	1000	700
450	1400	1500	1000	1250	800
630	1550	1650	1100	1400	900
800	1810	1750	1300	1500	900
1000	1600	2350	1100	2100	900
1250	1950	2460	1300	2200	1000

* Data for installations with single entrance, automatic doors, standard pit and headroom. Other configurations or shaft sizes, on request.



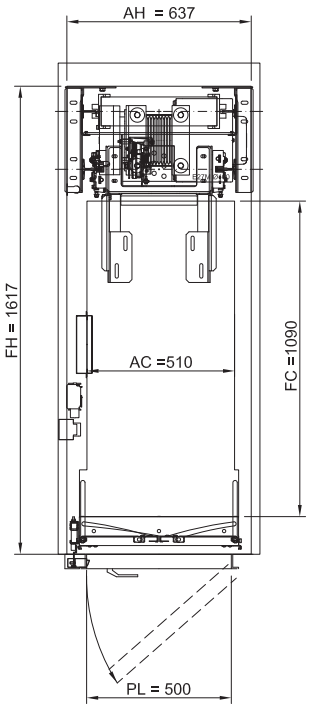
	Pit and head (EN81.21)	
Q (kg)	Low Pit (mm)	Low Head (mm)
450	250 265	3600 2400
630	265	2400
1000	600 850	3600 2850

* Average pit or headroom sizes, on request. Minimum calculated headroom with a car interior height of 2005 mm

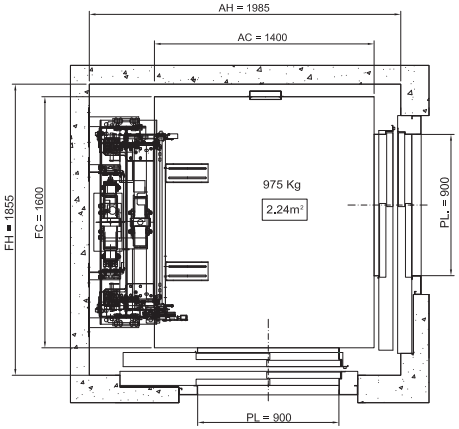
Customised solutions

Optimus GP
Shaft width 670 mm.

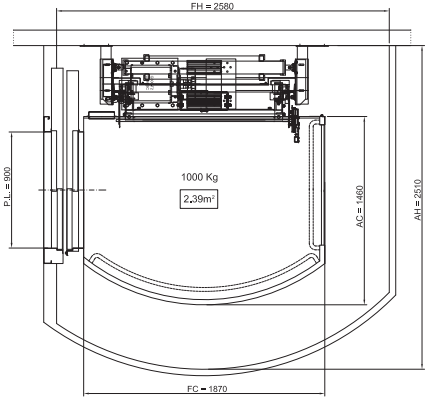
Q maximum: 375 kg (Qt max: 1165 kg.)
Minimum pit: 320 mm.
Minimum headroom: 2840 mm.
Restrictive technical measure: 395 mm.
Control panel cabinet in landing.



Optimus 81.70 - Entrance 90°



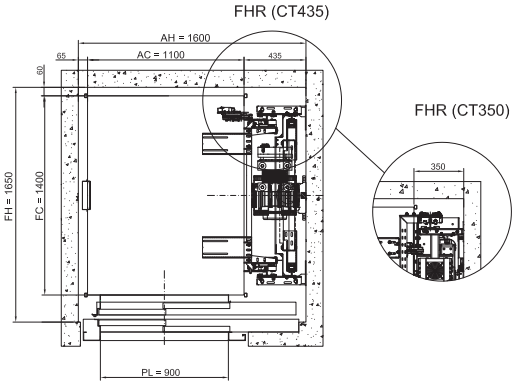
Panoramic



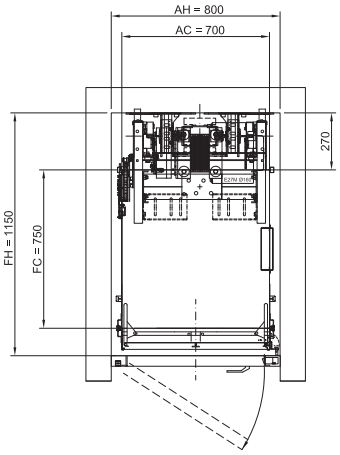
Optimus FHR
Reduced pit plus headroom 81.21

FHR (CT435):
Q max: 630 Kg (Qt max: 1550 Kg)
Minimum pit: 265 mm.
Minimum headroom: 2400 mm.
Restrictive technical measure: 435 mm.

FHR (CT350):
Q max: 375 Kg (Qt max: 1165 Kg)
Minimum pit: 350 mm.
Minimum headroom: 2550 mm.
Restrictive technical measure: 350 mm.



Optimus CT Minimum



Passenger Lift

GENESIS

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

Applications

- Refurbishments
- High Rise Buildings
- High Traffic
- Modernizations

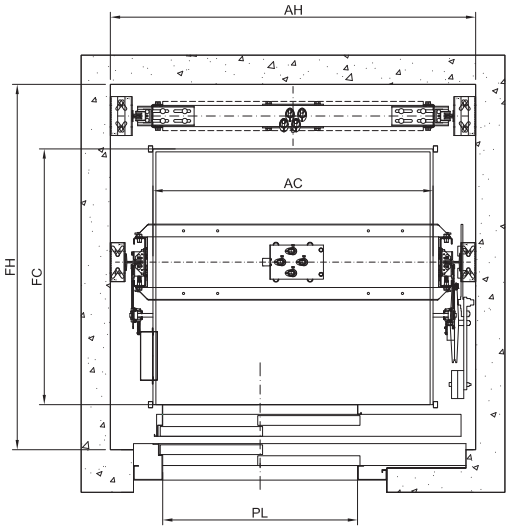
Advantages

Adaptability:
Easy to adapt to existing shafts

Versatility:
High loads and long distances

Manufacturers

Car Frame	EMESA
Structures	TTV
Machines	SICOR, LEROY SOMER, CEG, ZIEHL-ABEGG, SASSI
Doors	FERMATOR, WITTUR, MEILLER
Control panel	CARLOS SILVA, SPRINTE, NEWLIFT, DIGITAL ADVANCE, ARKEL, LESTER MEGOM
Pushbuttons	BST, SCHAEFER, DEWHURST



Technical Features

Duty speed:	Up to 3 m/s
Duty load:	Up to 5000 kg
Roping:	1:1 - 2:1
Travel:	Up to 100 m
Machines:	Geared (3VF – 2 speed) Gearless

Standard sizes

Q (kg)	AH	FH	AC	FC	PL
320	1350	1350	1000	900	700
450	1500	1650	1020	1210	800
630	1600	1850	1120	1410	800
800	1700	1950	1300	1500	900
1000	1800	2350	1100	2100	900
1600	2200	2500	1500	2250	1200
2000	2300	3000	1500	2600	1200
2500	2600	3100	1800	2700	1400
3000	3100	3300	1850	3000	1400
5000	3700	3650	2700	3300	2300

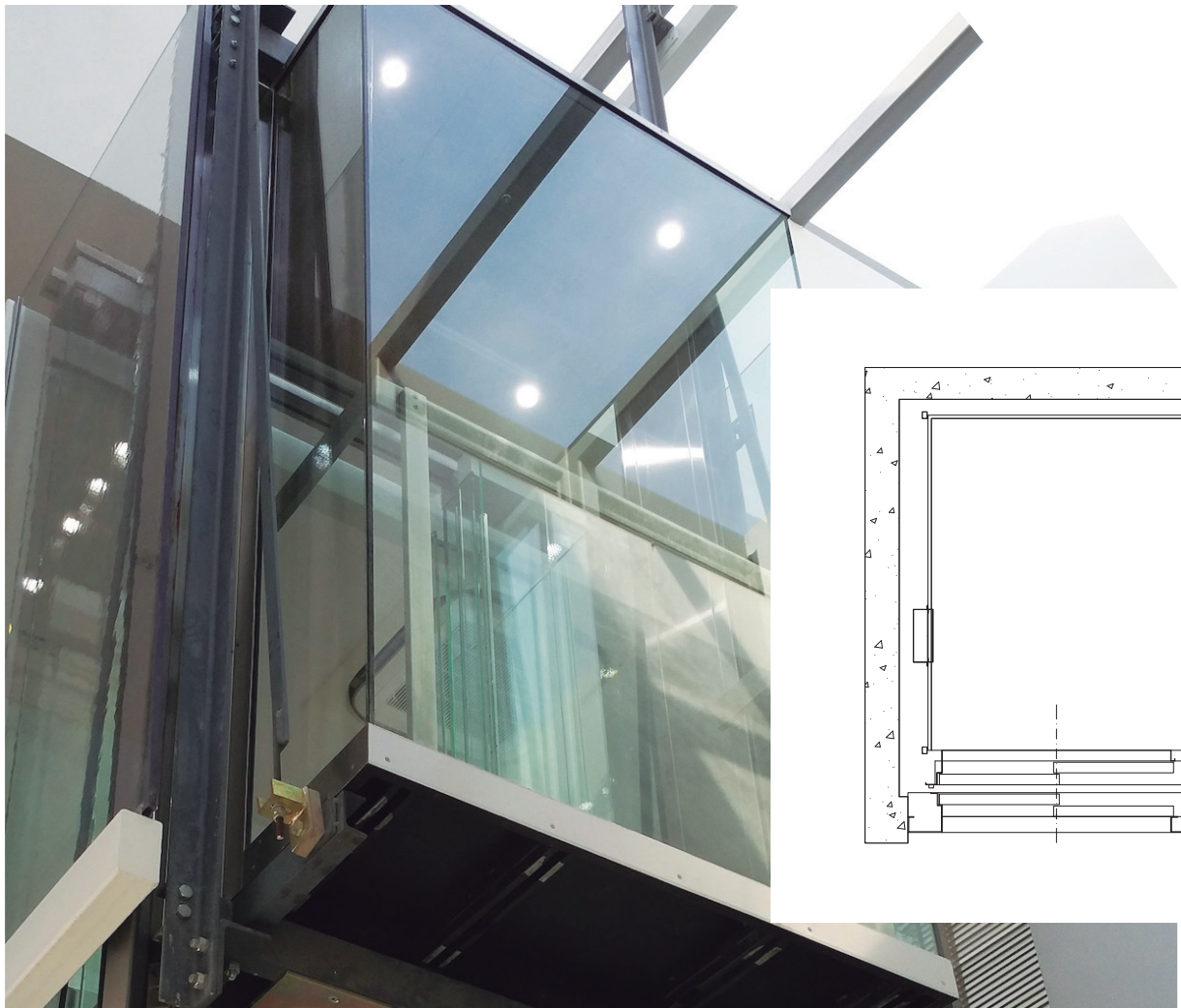
* Data for installations with single entrance, automatic doors, standard pit and headroom. Other configurations or shaft sizes, on request.

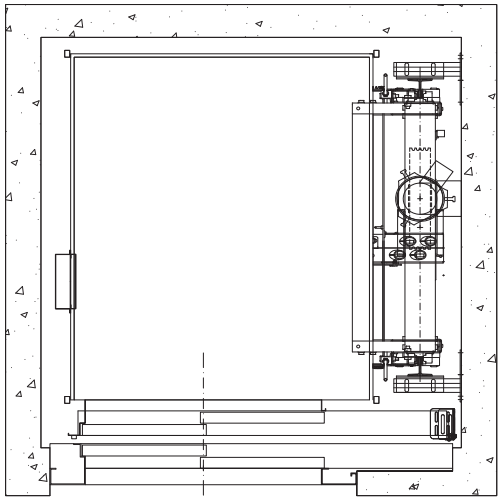
Hydraulic

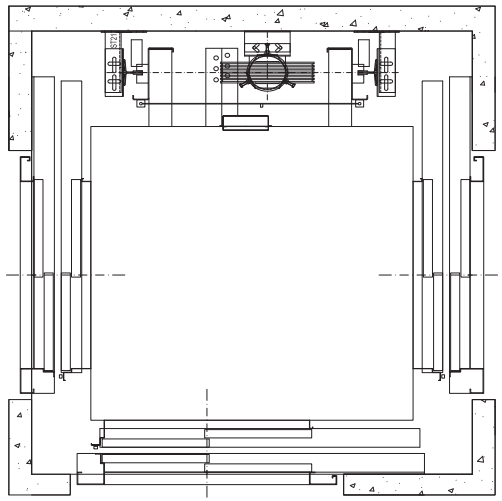
Passenger Lift

HYDRONIC

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







Applications

- Residential buildings
- Modernizations
- Existing shafts
- Refurbishment
- Reduced shafts

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).

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

Adaptability:
Easy control and maintenance.

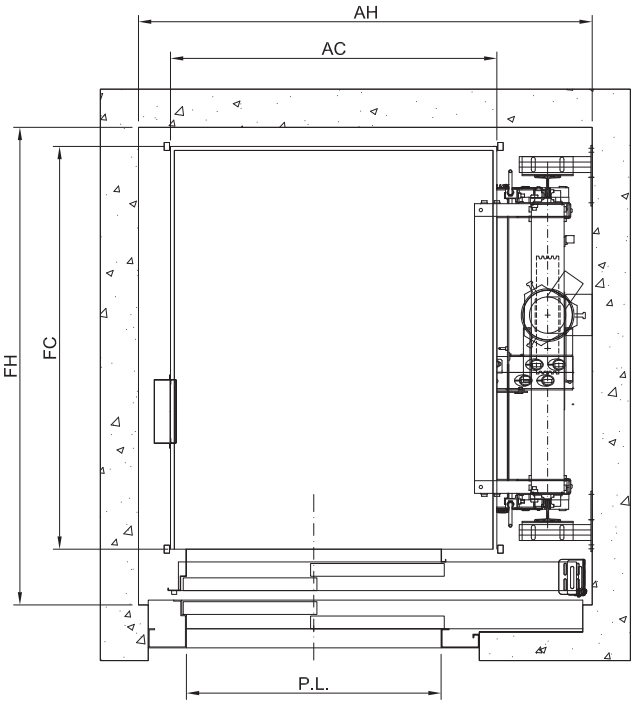
Emergency rescue:
Automatic emergency system always active during the descent, even in the event of power failure.

Technical Features

Duty speed:	0,63 m/s (Option Up to 1 m/s)
Duty load:	Up to 1800 kg.
Standard pit:	1200 mm.
Standard headroom:	3500 mm.
Travel:	Up to 25m.
Other options:	Cabinets.

Manufacturers

Car Frame	EMESA
Hydraulic equipment	GMV, MORIS, BUCHER
Doors	FERMATOR, WITTUR, MEILLER
Control panel	CARLOS SILVA, SPRINTE, NEWLIFT, DIGITAL ADVANCE, ARKEL, LESTER, MEGOM
Pushbuttons	BST, SCHAEFER, DEWHURST



Standard sizes

Q (kg)	AH	FH	AC	FC	PL
320	1300	1250	900	1000	700
450	1400	1500	1000	1250	800
630	1550	1650	1100	1400	900
1000	1620	2360	1100	2100	900
1500	1950	2660	1400	2400	1100
1800	2700	2050	2050	1800	1700

* Data for installations with single entrance, automatic doors, standard pit and headroom. Other configurations or shaft sizes, on request.

Cabinets

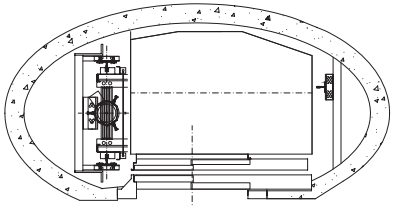
Type	Width (mm)	Depth (mm)	Height (mm)
TIPO 1	785	364	2052
TIPO 2	960	510	2162
E650	1000	650	2200

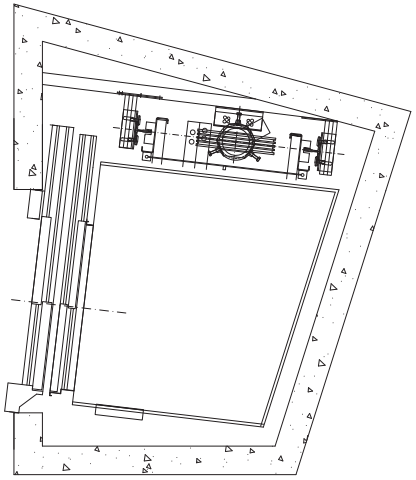
	Low Pit (EN81.21)	
Q (kg)	Low Pit (mm)	Required pheadroom (mm)
320	250	2730
450	265	2655
630	265	2655
800	350	3010
1000	350	3020

* Average pit or headroom sizes, on request. Minimum calculated headroom with a car interior height of 2005 mm

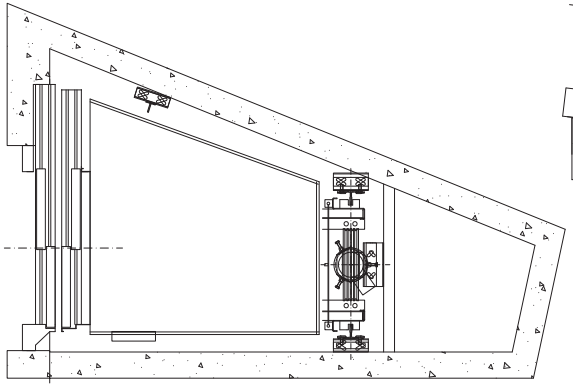
Customised solutions

Panoramic

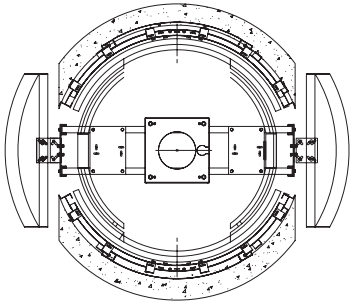


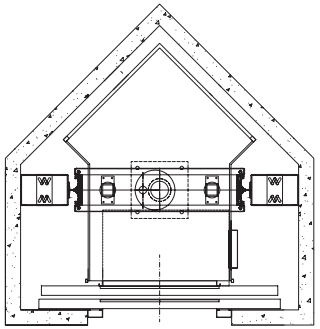


Irregular shaft



Borehole piston





Freight Lift

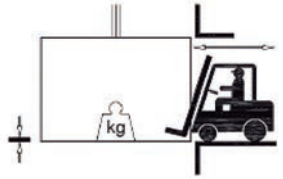
HERCULES

Hercules is the double piston hydraulic lift for people and loads.

Freight lift use

Even load distribution.
Manually introduced into the car or through hand pallet trucks.
The loaded packages weight will not be higher than Q/4.

High point loads.
A forklift can be load into the car.



Applications

- Industrial
- Large Loads

Advantages

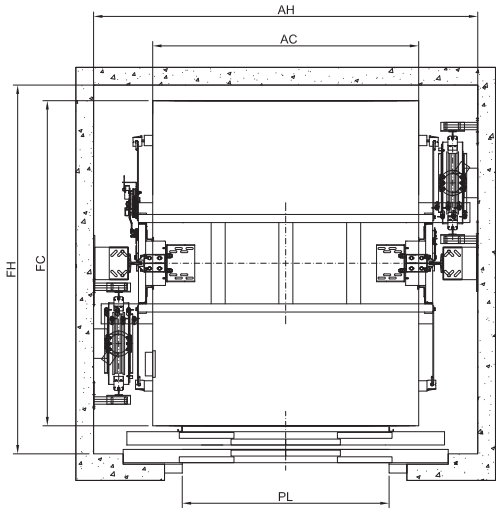
Security:
In the event of a power failure, the car descends to the next stop, facilitating the removal of the load and opening of doors (optional).

Easy installation:
The design is oriented to a reduction of assembly hours.

Stability:
It has cabin braces providing more rigidity and stability.

Manufacturers

Car Frame	EMESA
Equipos Hydraulics	GMV, MORIS, BUCHER
Doors	FERMATOR, WITTUR, MEILLER
Control panel	CARLOS SILVA, SPRINTE, NEWLIFT, DIGITAL ADVANCE, ARKEL, LESTER MEGOM
Pushbuttons	BST, SCHAEFER, DEWHURST



Technical Features

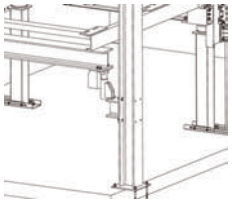
Duty speed:	Up to 0,5 m/s
Duty load:	Up to 10000 kg.
Roping:	1:1 - 2:1
Standard pit:	1200 mm.
Standard headroom:	3600 mm.

Standard sizes

Q (kg)	AH	FH	AC	FC	PL
2000	2600	2500	1800	2200	1500
2500	3000	2500	2200	2200	1800
3000	3150	2850	2200	2500	1900
3500	3200	3150	2250	2800	2200
4000	3200	3550	2250	3200	2200
5000	3450	3850	2500	3500	2400
8000	4000	4500	2800	4500	2500
10000	4250	5000	3000	4600	2600

Q (kg)	Low Head (mm)	Low Pit (mm)
2000	2900	900
2500	2900	900
3000	2900	900
3500	2900	900
4000	2900	900
5000	2900	900
8000	3200	1200
10000	3200	1200

Anti-creep system



For high loads, it is possible to use anti-creep locks.

Sill

Reinforced aluminum sill (Standard)
Total load: 4800 Kg.
Load in support area: 1200 Kg.

Solidsill (Optional)
For major loads

Car Lift

PARKING LIFT

Hydraulic lift for vehicles in compliance with the Lifts Directive.

Certificate

We have a deviation from Standard for the **Parking Lift** that allows us to optimize the whole of the car lifts for the loads used.
Deviation from standard for surface greater than table 6 in the EN 81.20 standard

Applications

- Vehicles
- Residential buildings

Advantages

Security
In the event of an electrical failure, the car descends to the next stop facilitating the exit of the vehicle and the opening of the doors (optional).

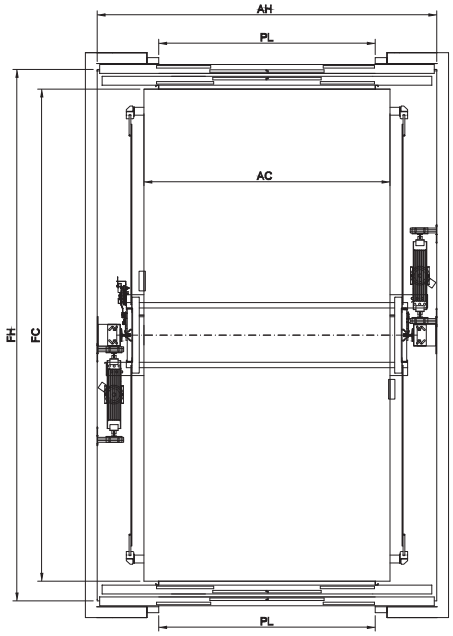
Easy installation:
The design is oriented to a reduction of assembly hours.

Stability:
It has cabin braces, providing more rigidity and stability.

Parking assistance system:
Easy vehicle positioning with light curtain. In the upper part of the door, the display indicate whether the vehicle is correctly positioned (optional).

Manufacturers

Car Frame	EMESA y PEIMSA
Hydraulic equipment	GMV, MORIS, BUCHER
Doors	FERMATOR, WITTUR, MEILLER
Control panel	CARLOS SILVA, SPRINTE, NEWLIFT, DIGITAL ADVANCE, ARKEL, LESTER MEGOM
Pushbuttons	BST, SCHAEFER, DEWHURST



Standard sizes

Q (kg)	AH	FH	AC	FC	PL
3500	3450	5400	2500	5000	2200
4000	3550	5900	2600	5500	2200
5000	3950	6400	2850	6000	2500
5500	4000	7500	3150	6750	2500

Q (kg)	Low Head (mm)	Low Pit (mm)
3500	2900	900
4000	2900	900
5000	2900	900
5500	2900	1000

Technical Features

Duty speed:	Up to 0,5 m/s
Duty load:	Up to 5500 kg.
Roping:	2:1
Standard pit:	1200 mm.
Standard headroom:	3600 mm.

Car Lift

TAURUS

Hydraulic platform for vehicles with passengers in compliance with the Machinery Directive.

Applications

- Vehicles
- Single family homes

Advantages

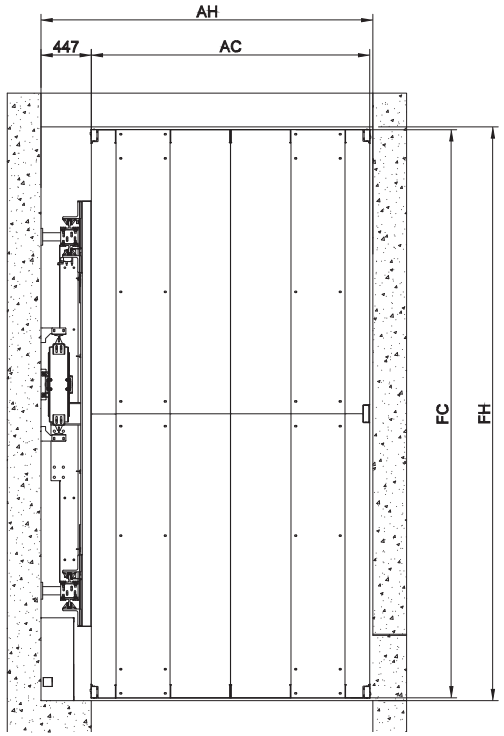
Flexibility:
Integrated hydraulic equipment and control panel inside the shaft (MRL).

Comfort:
Movement through lift guides with T-profile 2:1 traction with low pressure side piston.

Emergency rescue:
Calculations according to EN81.20. Downwards double safete valve. Rupture valve in piston according to EN81.20. Instantaneous safety gear in car frame Minimum pressure safety valve. Safety light curtains.

Adaptability:
Adjustable wheel distance with different heights to facilitate the load and unload of the vehicle.

Options:
Sectional doors.
Remote controls.



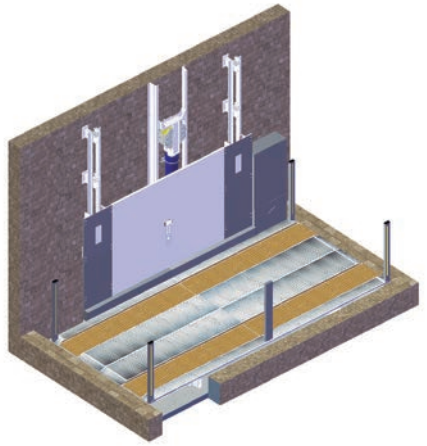
Standard sizes

Q (kg)	AH	FH	AC	FC	PL
2800	2950	5050	2475	5000	2400
2800	2950	5450	2475	5400	2400

* Other configurations or shaft sizes, on request.

Technical Features

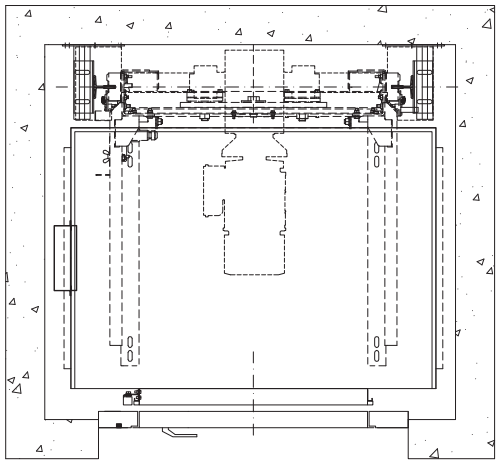
Duty speed:	0,15 m/s
Duty load:	Up to 2800 kg.
Stops:	Up to 6 stops
Roping:	2:1 (with a single side piston)
Standard pit:	300 mm.
Minimum headroom:	2200 mm.
Maximum power:	9,5 kw

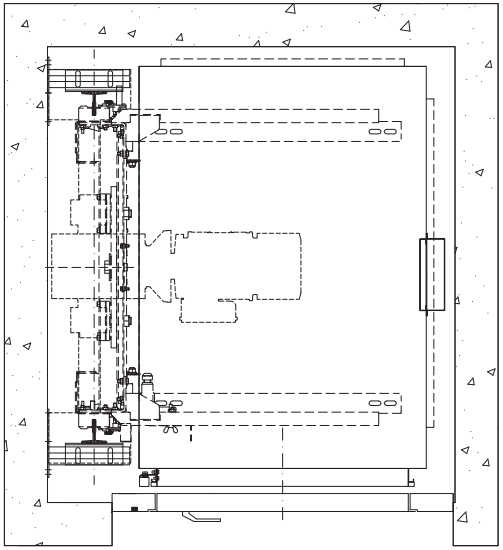


Homelift

BELTUS

Beltus Lift is our machine room-less, high comfort traction lift designed for both private and Public Buildings





Applications

- Residential buildings
- Architectural Barriers
- Elimination of architectural barriers

Advantages

Maximum safety:
We have exhaustively studied its design to ensure the safety levels of an lift.

Single-phase:
Works on any single-phase 220 V socket.

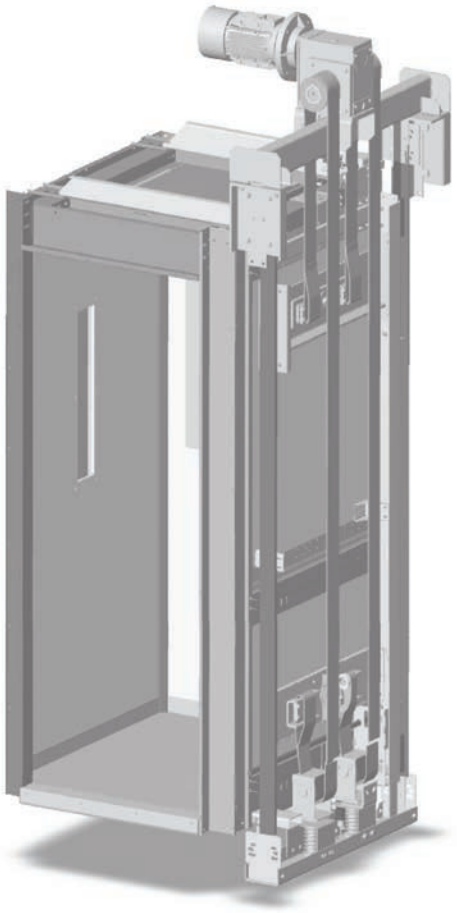
Easy maintenance:
Without ropes. Toothed belt that avoids the replacement of the ropes due to wear and tear.

Environmentallly friendly:
No oil or unpleasant smells.

Space optimization:
Up to 80% use of the shaft.

Emergency rescue:
Equipped with a rescue system that allows to evacuate to passengers even in the event of power failure.

Easy assembly:
From inside the car.



Technical Features

Duty speed:	0,15 m/s
Duty load:	Up to 400 kg.
Power (single phase):	2,2 Kw maximum
Minimum pit:	100 mm.
Minimum headroom:	2600 mm.
Maximum travel:	24 m.

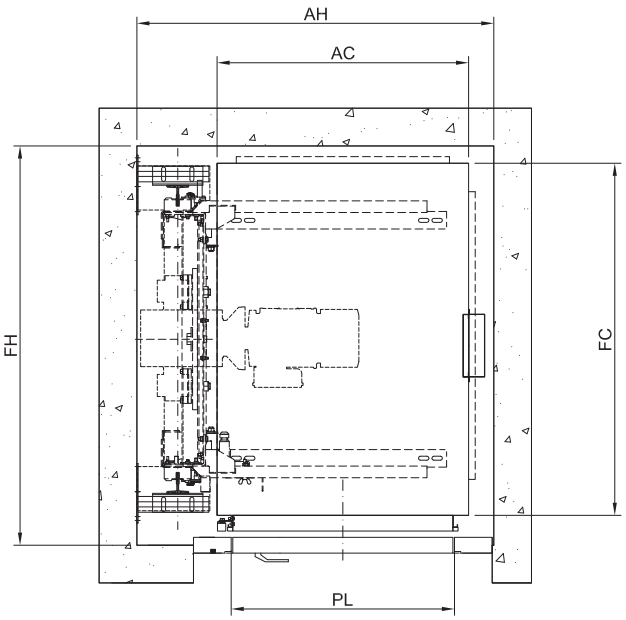
Manufacturers

Car Frame	EMESA
Structure	LEROY SOMER
Doors	FERMATOR
Control panel	MEGOM

Standard sizes

Q (KG)	AH	FH	AC	FC	PL
180	1035	1170	700	1020	600
225	1135	1270	800	1120	700
300	1355	1350	1000	1200	800
350	1435	1350	1100	1200	900
385	1435	1550	1100	1400	900

* Oher configurations or shaft sizes, on request.



Car decoration:
OPTIMA and DINAMIC models.

Option:
With car door.

Beltus and Armony Lite car models

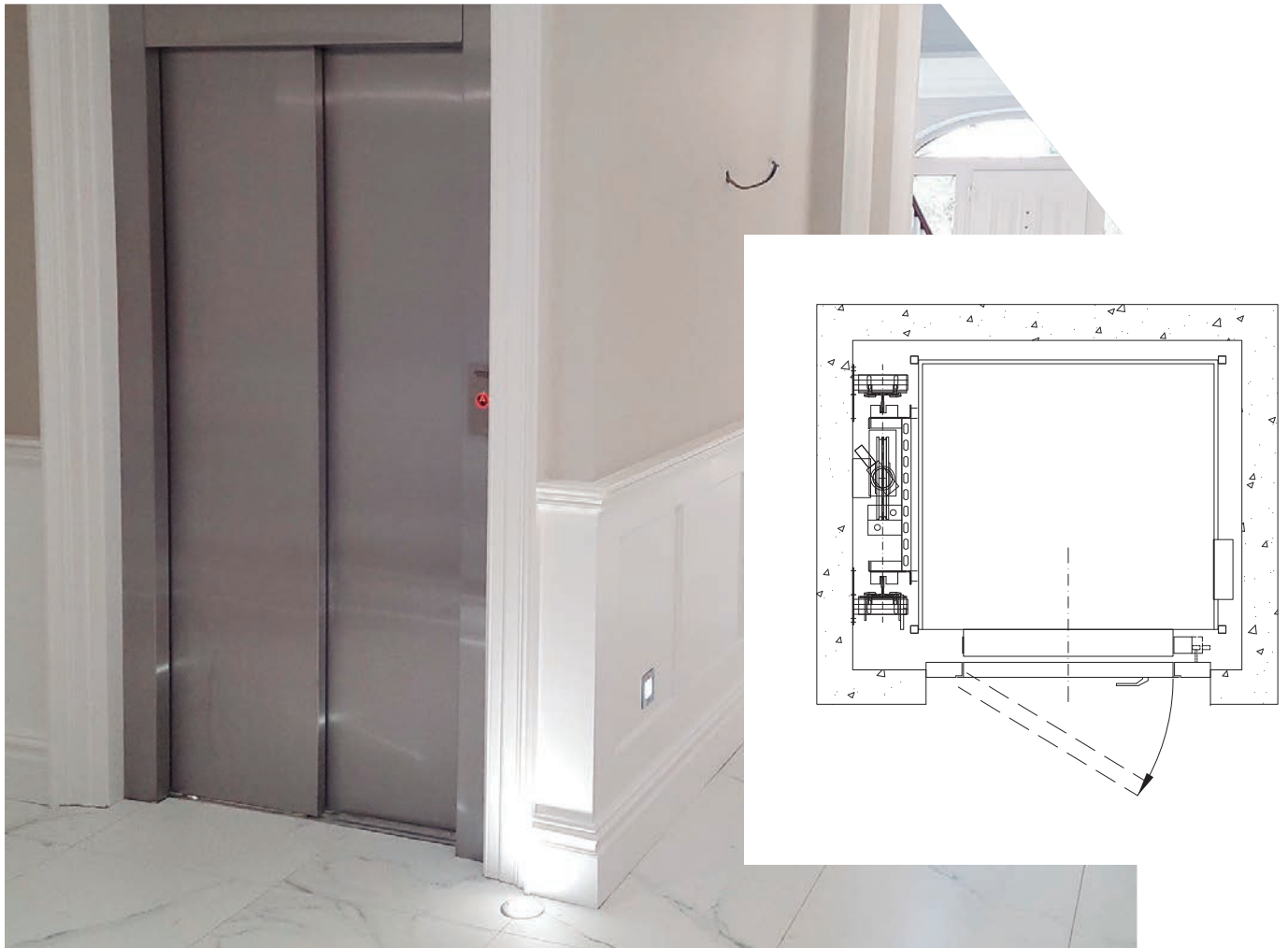
Dinamic

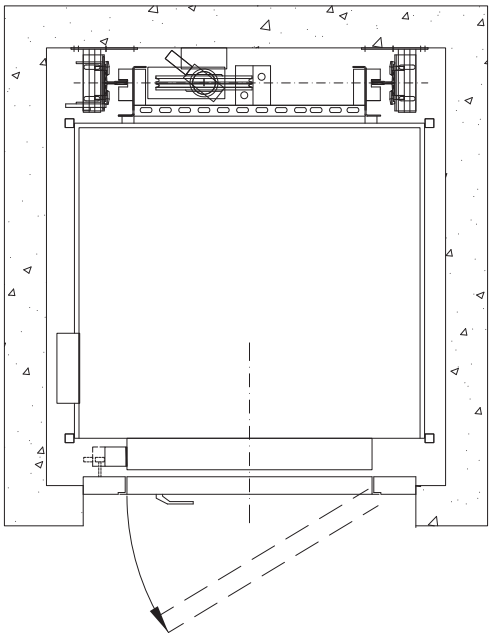
Optima

Homelift

ARMONY

Armony is the most versatile homelift with an infinite number of car finishes and with a load range up to 500 kg.





Applications

- Residential buildings
- Architectural Barriers
- Elimination of architectural barriers

Advantages

Maximum safety:
We have exhaustively studied its design to ensure the safety standard of a lift.

Decorative versatility:
We can provide the home lift with the same decorative characteristics than a normal lift (any car model, automatic doors, etc).

Single-phase:
Works on any single-phase 220 V socket.

Space optimization:
Up to 80% use of the shaft.

Emergency rescue:
Equipped with a rescue system that allows to evacuate to passengers even in the event of a power failure.

Cabinets

We have a pre-assembled KIT, which consist in: hydraulic equipment + cabinet + control panel, everything already assembled, pre-wired and tested in the factory. Facilitates commissioning (Plug and Play).

Type	Width (mm)	Depth (mm)	Height (mm)
MS-A	630	300	1500
TIPO 3	700	400	1306

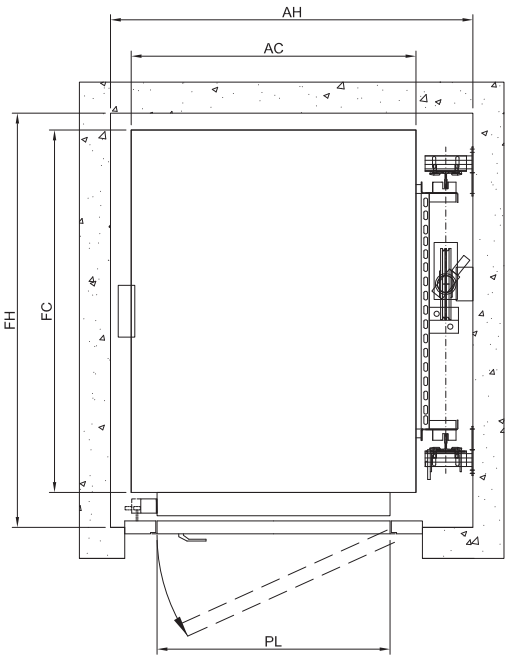
Technical Features

Duty speed:	0,15 m/s
Duty load:	Up to 500 kg.
Power (single phase):	4,3K maximum
Minimum pit:	125 mm. (Q <= 385kg)
	200 mm. (Q > 385kg)
Minimum headroom:	2300 mm. (without car door)
Maximum travel:	24 m.

Option:
With car door

Manufacturers

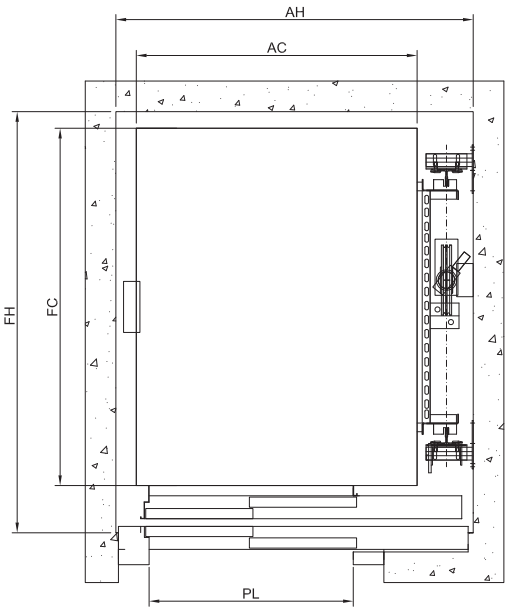
Car Frame	EMESA
Hydraulic equipment	MORIS Y GMV
Structures	TTV
Doors	FERMATOR
Control panel	CARLOS SILVA,



Standard sizes

Q (KG)	AH	FH	AC	FC	PL
180	1100	1100	800	900	700
225	1300	1100	1000	900	700
300	1300	1400	1000	1200	800
350	1400	1400	1100	1200	900
385	1400	1600	1100	1400	900
400	1400	1650	1100	1450	900
450	1580	1700	1200	1500	900
500	1580	1800	1200	1600	900

* Standard sizes for installations without car door. Other shafts sizes, on request.



Standard sizes

Q (KG)	AH	FH	AC	FC	PL
180	1150	1150	800	900	700
225	1250	1250	900	1000	700
300	1400	1450	1000	1200	800
350	1400	1450	1100	1200	800
385	1550	1650	1100	1400	900
400	1550	1700	1100	1450	900
450	1580	1750	1200	1500	900
500	1580	1850	1200	1600	900

* Standard sizes for installations with car door. Other shafts sizes, on request.

Hydraulic

Homelift

ARMONY LITE

Armony Lite is the hydraulic homelift with the best value for money of the market.

- **Best value for money for a single family home.**
- Robust and compact set, car **frame + car.**
- Easy assembly from inside the car.

Technical Features

Duty speed:	0,15 m/s
Duty load:	Up to 385 kg.
Minimum pit:	100 mm. (Q <= 385kg)
Minimum headroom:	2400 mm. (without car door)
Maximum travel:	24 m.

Manufacturers

Car Frame	EMESA
Hydraulic equipment	MORIS
Structures	TTV
Doors	FERMATOR
Control panel	CARLOS SILVA,

Dinamic

Optima

Car decoration:
OPTIMA and DINAMIC models.

Option:
With car door.

Stairlift

STYLUS

Stylus is the vertical stairlift with great comfort and easy installation.

Applications

- Residential buildings
- Architectural Barriers
- Elimination of architectural barriers

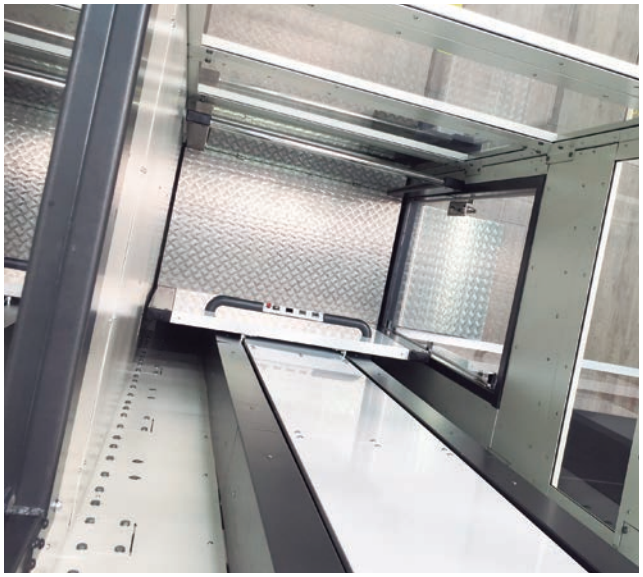
Advantages

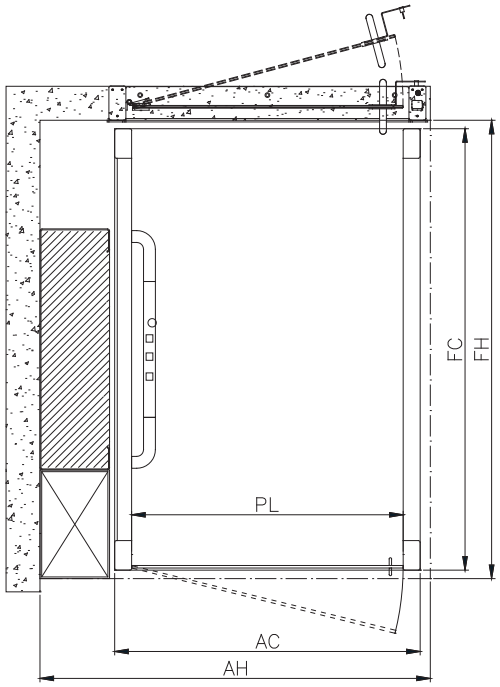
Comfort:
Hydraulic unit with upward control by means of frecuency inverter and two speed downwards. Maximum speed. Automatic re-levelling.

Single-phase:
Works on any single-phase socket220 V.

Adaptability:
Cabinet integrated in the side of the column

Emergency rescue:
Automatic UPS rescue system. Anti-crushing device under the base in downward operation.





Standard sizes

Q (KG)	AH	FH	AC	FC	PL
315	1150	1350	900	1300	800
385	1250	1460	1000	1400	900
385	1460	1460	1200	1400	900

* Other configurations or shafts sizes, on request.

Technical Features

Duty speed:	0,15 m/s
Duty load:	Up to 385 kg.
Travel:	Up to 3m. (with the possibility of extending up to 10 m. under consultation)
Minimum pit:	100 mm.
Supply:	Single phase 220V
Power:	1,5 kw

3.5 **FINISHES**

Pre-manufactured shaft

STRUCTURES

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

Colors

RAL 9002	RAL 1015	RAL 7032	RAL 7001	RAL 8003
RAL 3004	RAL 6005	RAL 5003	RAL 9005	OXIRON

Advantages

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

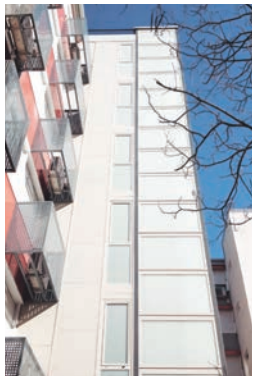
Absolutely respectful with the environment, both in the assembly process and industrial development.
Its easy assembling, makes this product highly simple to operate complying with the higher safety standards.

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.

Types of enclosure

Transparent glass


Frosted glass

Blind sheet

Perforated sheet

Total glass

Options and accessories

Ceiling
(metal sheet or glass)

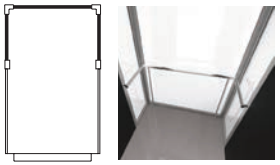
Roof over door
(metal sheet or glass)

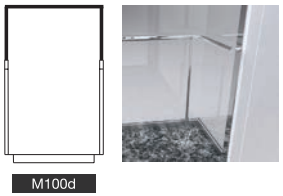
Handrail

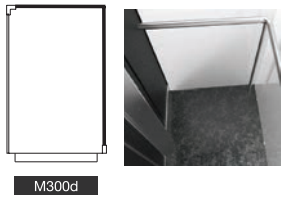
Ventilation

PANORAMIC

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







Models:

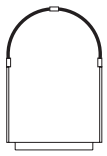
Matrix

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

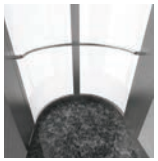
Models M100, M200, M300: Framed glasses.
Models M100d, M200d, M300d: Frameless glasses.

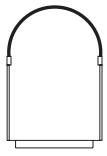
V100

V100d

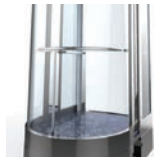


V300

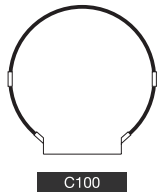




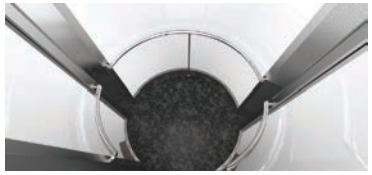
V300d

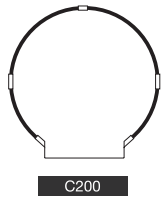


For Model & Load compatibility, please ask for advice.

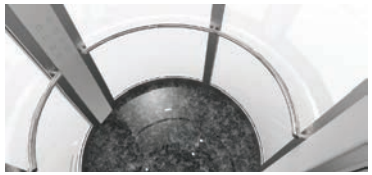


C100





C200



Vector

Front of polygonal cars or curved, with or without joints between glasses.

Models V100, V300: Framed glasses
Models M100d, M300d: Frameless glasses

Century

Completely Curved glazed cars.

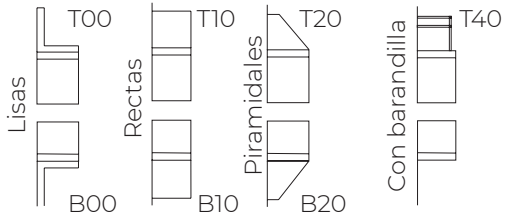
Models C100: Framed glasses
Models C200: Frameless glasses.

Canopies

Design of Canopies under consultation for each installation.

Maximum canopies height and handrails on request.

Models:



Car models

① Laminate
② Stainless steel

L01

Walls

F0190 Finn Beech
Laminate

Stainless steel omega profile

Floor

Rubber circles black

L02

Walls

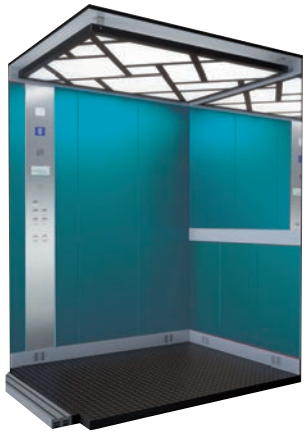
F8841 White Ash
Laminate

Between slats straight

Floor

Rubber circles black

CH01



Walls

Water blue RAL 5021
Painted Sheet

Slat no separation

Floor

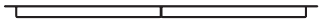
Rubber circles black

S01

Walls

Skinplate white

Slat no separation



Floor

Rubber circles black

L03

Walls

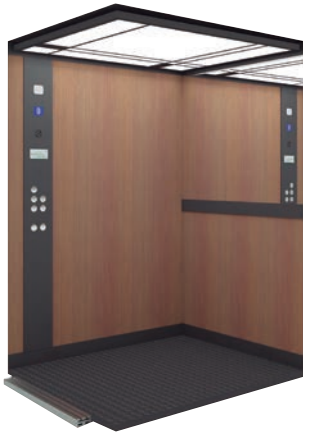
F6307 Burnt Strand
Laminate

Smooth panel

Floor

Rubber circles black

L04



Walls

F1139 Cherry tree
Laminate

Smooth panel

Floor

Rubber circles black

I01

Walls

Satin Stainless Steel

Between slats straight

Floor

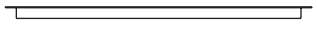
Rubber circles black

Quartz

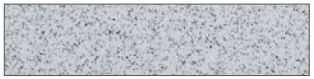
Walls

Red RAL1586
Black painted glass

Smooth panel



Floor



Anti-slip rubber grey

STANDARD
EN 81.20

Car finishes Walls

Skinplates

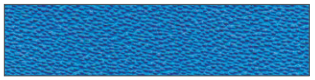
White

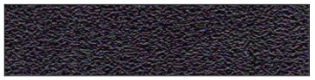
Cream

Grey

Stainless

Simil stainless


Blue


Black

Painted Sheet

White RAL 9016

Oyster white RAL 1013

Cream RAL 9001

Grey RAL 7032

Beige RAL 1019

Beige Pear RAL 1035

Metallic grey RAL 9006

Pearl Light Grey RAL 9022

Dark Grey RAL 7010

Green RAL 6019

Water blue RAL 5021

Pigeon blue RAL 5014

Black RAL 9005

Back painted glass

Matte

Oyster white RAL 1013

Bronze

Green RAL 8615

Blue RAL 7000

Silver

Gloss

White RAL 9003

Light Brown RAL 1236

Red RAL1586

Black RAL 9005

Metallic Grey RAL 9006

Aluminum RAL 9007

Green RAL 8615

Black Starlight RAL 0337

Stainless Steel

Satin

Leather

Linen

Polished

Checks

Canvas

Laminated

F2274 White Francia

F2273 Seringa

F2833 SandStone

F2200 Chocolate

F7884 Blue China

F2478 Bermuda

F1997 Ocean

F7927 Grey

F7837 Graphite

F8975 Patina Brush

F8841 White Ash

F0190 Finn Beech

F1139 Cherry Tree

F1062 Natural

F8849 Natural Teak

F8848 Blackened Legno

F6307 Burnt Strand

F8830 Elemental Concrete

F8833 Elemental Graphite

F8832 Elemental Corten

Gloss

F3091 White Polar

F7912 Grey Storm

F7914 Marine Blue

F1238 Carnaval

F6903 Cassis

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

Melamine

Cream

Grey

Chocolate

Blue

Cherry tree

Beech

Cherry tree

Habana Linen

Dark Oak

NOT IN COMPLIANCE WITH THE STANDARD EN 81.20

STANDARD
EN 81.20

Car finishes Floors

Rubber circles

4,5 kg / m²

Grey

Black

Metallic floor

Aluminum checkerboard 6 Kg/m²

Stainless steel 12 Kg/m²

Steel durbar plate 36 Kg/m²

Anti slip rubber

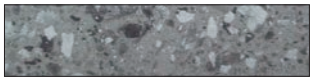
4,5 kg / m2kg / m²

Beige

Sand

Oak

Grey


Grey granite

Grey concrete

Blue

Black

Artificial stone

49 kg / m2

White Norte

Royal Reef

Iron Bark

Grey Expo

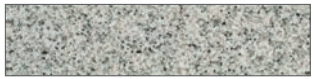
Concrete Spa

Merope

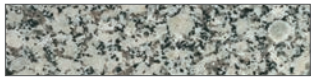
Black Starlight

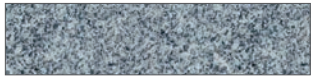
Natural granite

56 kg / m2


White Crystal

Pink Porriño


Grey Perla

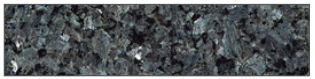

Grey Quintana

Andromeda

Shivakashi

Juparana colombo

Paradiso bash


Light Blue Labrador

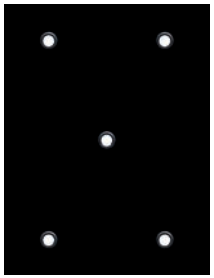
Dark Blue Labrador

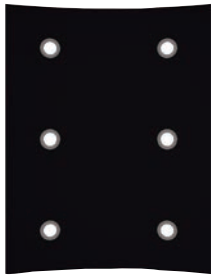
Black South Africa

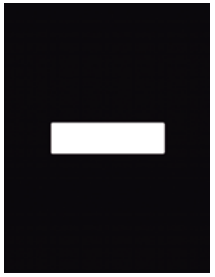
Intense Black

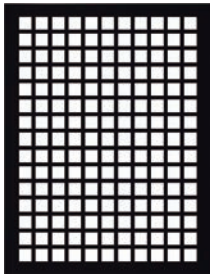
Car finishes

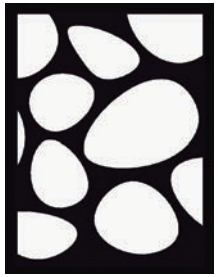
Ceilings

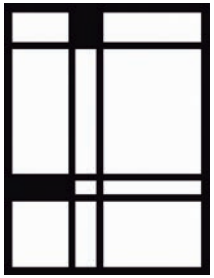

LED spots

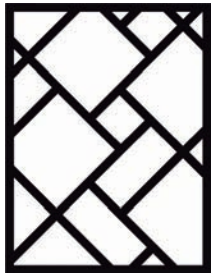

LED spots Curved

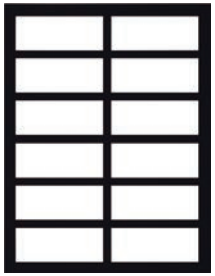

LED Panel


Mosaic


Stones

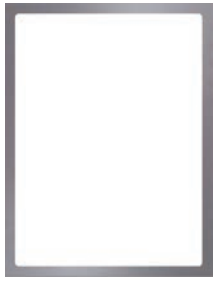

Mondrian


Arte


Bricks

Natura

Marco


Tinted glass

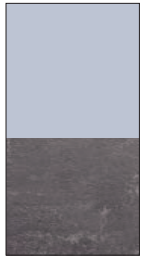
Handrails

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 gold
7. Curved tubular painted black

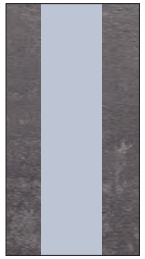
Car finishes

Mirror / Doors

Mirrors



1/2 height



Slat mirror

Full mirror

Mirror finishing: silver.
Other finishing: bronze, white or aged, CONSULT.

Automatic door

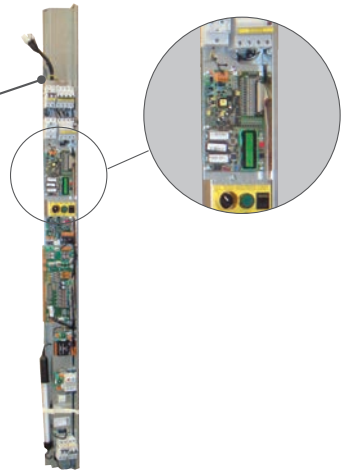
Primed
Stainless steel

Big vision panel

Folding door big vision panel

Complete glass stainless steel frame

Control panel inside frame door



Semi-automatic door

Vision panel

Big vision panel

Door finishes

Grey RAL 7032

Leather

Satin

Gold

Availability of different RAL colours. Please ask.

Car finishes

Operating panels / Display

Car

Standard

Height 1960 mm.
Standard only for lifts. For Homelift, will go without display.

Lighting

Epsilon

Glass

Type handrail (EN81.70)

Landing

With engraving on steel plate

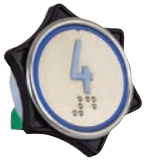
With transparent plate

Push button

Bas 120

Bas 120 Black

RT42



MD7

Epsilon

B 50 Q

Display

Color CS-2,8”

Color CS-5,6”

Color SP-3,5”

Color SP-4,5”

4. REGULATIONS

At Raloe, we have spent the last few years improving and refining our lifts as well as creating all types of solutions for different shafts. Today we have over 8 exception certificates as a result of our policy of tailoring each installation to individual needs.

Certificates

- Standard UNE EN ISO 9001:2015
- Lifts Directive 2014/33/UE, appendix XI, module H1

Quality, our goal

Raloe´s quality policy has an objective of continuous improvement and the following measures have been established to ensure its fulfillment:

- Ensure the customers satisfaction and the full compliance with product and activity standards, providing the best solution to suit their requirements.
- Guarantee to provide our team the level of training necessary for the development of the tasks required for the position.
- Provide appropriate working conditions to ensure worker satisfaction and safety.
- Improve continuously the efficiency of our Quality Management System.
- Achieve the level of return deemed necessary to maintain the organizational structure and to continue to invest in R & D, new technologies and workers' training, to be in a better position to fully satisfy the professionals of the lifts sector.

Offering high standards and services using the best technological solutions which guarantee the product durability and strict compliance with technical and safety requirements.

The German certification authority TÜV Rheinland Service GmbH for lifts and security elements ensures the quality of our products according to the **European Lifts Directive 2004/33/UE, Annex XI, Module H1.**

Lifts Directive 2014/33/UE, appendix XI, module H1

EN 81.20 - 81. 50	Security requirements for construction and installation of lifts.
EN 81.21	Security requirements for construction and installation of lifts. Passenger and freight lifts. Part 21: New passenger and freight lifts in already existing buildings.
EN 81.28	Remote alarm on passenger and goods and passenger lifts, especially those covered by the EN 81 Standards.
EN 81.58	Specification for the test method to determine the fire resistance test of the landing doors [1].
EN 81.70	Minimum requirements for the safe and independent access and the use of the lifts by disabled persons (Addenda included in standard). This norm proposes 3 different levels of accessibility: type1, type 2 y type 3 [2]
EN 81.72	Security requirements for construction and installation of lifts. Particular applications for the passenger lifts and passengers and freight lifts. Part 72: Firefighting lifts
EN 81.73	Security requirements for construction and installation of lifts. Particular applications for the passenger lifts and passengers and freight lifts. Part 73: Behaviour of lifts in the event of fire
EN.81.76	Security requirements for construction and installation of lifts. Particular applications for the passenger lifts and freight lifts. Part 76: Evacuation of disabled persons using lifts.
VDI 4707	Energy efficiency of lifts.
VDI 2566	Acoustic design for lifts without a machine room

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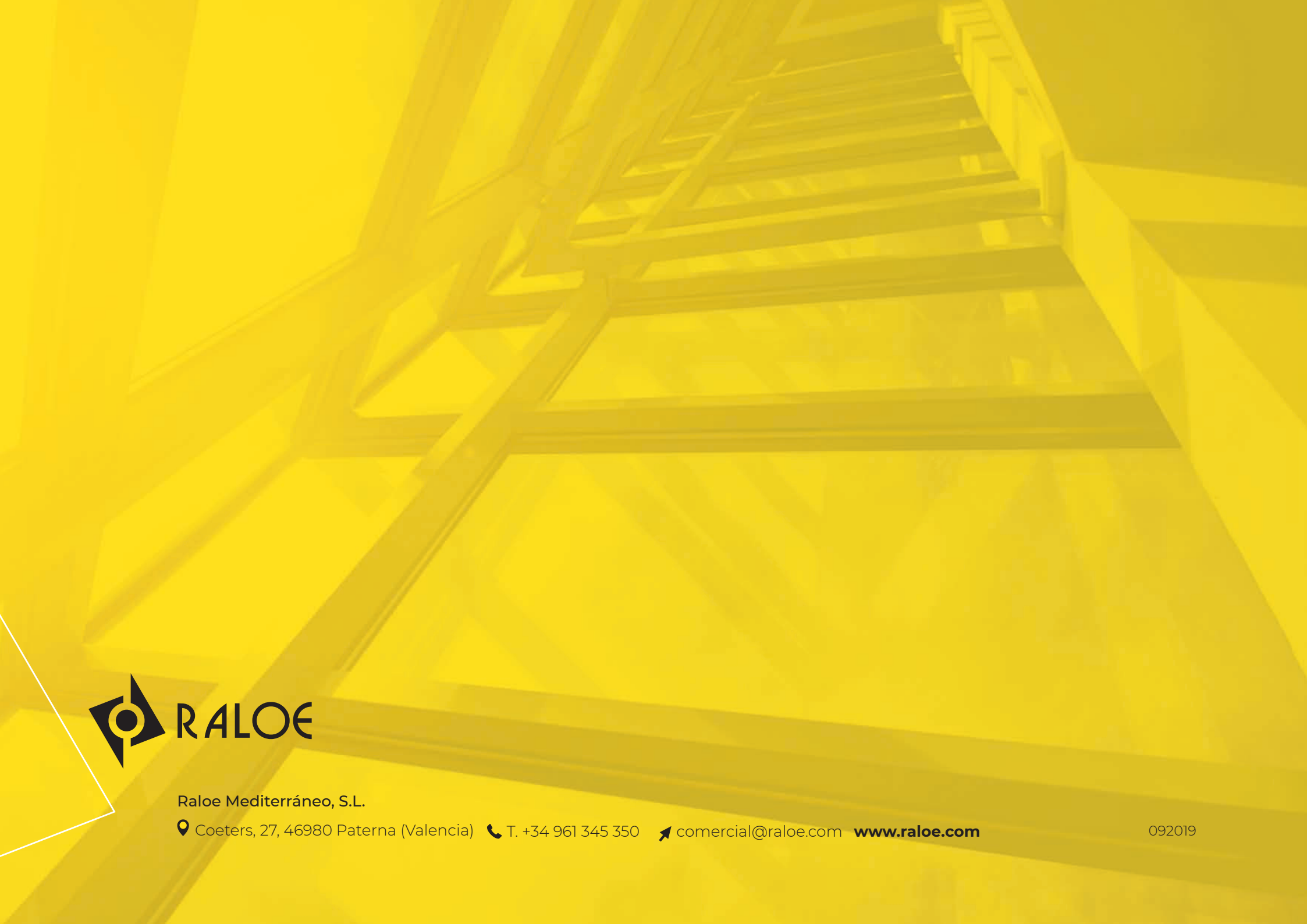

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