

MANGUSTA

Energy-saving lifts

ARE

WeAre

High efficiency energy-saving **Lifts**

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01

WeAre

The first company to produce battery-only elevators

Over 15 years of development

A.R.E. Srl was founded in 2009 thanks to the futuristic vision of Franco Antonelli, an elevation sector pioneer. His experience, which dates back to 1953, has revolutionised the way we design lifts with insights that have since become major sector milestones.

In 1995, Franco took up the challenge of finding a solution to the issue of accessibility for disabled people, a problem which the regulations at the time did not allow a traditional lift to solve. This led to him developing innovative technology for home lifts. His insight enabled home lifts to exceed the traditional 4-metre limit and transformed these products with their limited installation opportunities and reputation for being unsafe into highly reliable solutions that are considerably more versatile than traditional lifts.

Franco's search for new solutions continued in the years that followed. In 2003, he introduced a revolution in the industry: the use of batteries as the main power source for lifts. Up until that point, in fact, batteries had only been used on the sidelines and for stairlift.

Franco Antonelli's entrepreneurial vision was realised in 2009 with the birth of A.R.E., which stands for Ascensori a Risparmio Energetico (Energy Saving Lifts). Today, under the leadership of Franco's son, Filippo Antonelli, A.R.E. continues to invest in technological research for developing increasingly efficient, cutting-edge solutions.

+70
years' experience

+300
retailers

+11000
lifts installed



Energy efficiency has always been our goal. We invest constantly in the development of technologies that offer innovative, high energy performance solutions.

02

Our technology

Patented technology ARE SMART-POWER®

The first battery homelift

ARE SMART-POWER®

MANGUSTA is an electrically battery-powered homelift launched on the market for the first time in 2009. MANGUSTA, like all our lifts, benefits from ARE SMART POWER technology.

Anti-Blackout System

The MANGUSTA homelift's main power supply is based on the use of batteries. It is, therefore, possible to continue using the lift even if there is an unexpected power cut, which guarantees accessibility and safety at all times.

Energy recovery system

While in use, the energy produced by MANGUSTA is not wasted as heat but stored in the batteries by optimising the performance levels of the lift and dramatically bringing down electricity supply costs.

Maximum committed power

The maximum committed power by the MANGUSTA is only 130W, comparable to that required for using a common household appliance.

SOL-ARE Solar panels

It is possible to optimize the charging of the MANGUSTA homelift's batteries by harnessing the solar energy produced by the photovoltaic panel.

Highest energy efficiency

MANGUSTA offers higher performance levels than those of an oleodynamic lift with lower electricity consumption.

Anti-Blackout System

A.R.E. technology, unlike that used by other manufacturers, relies on the use of BATTERIES as the main power system for its lifting systems and only uses the power grid to run the battery charging system.
That technology guarantees that MANGUSTA can operate normally even in the event of a power cut (on average up to 60 runs).

This is the concept of “ALWAYS WORKING” common to all A.R.E. Lifts.



Maximum committed power

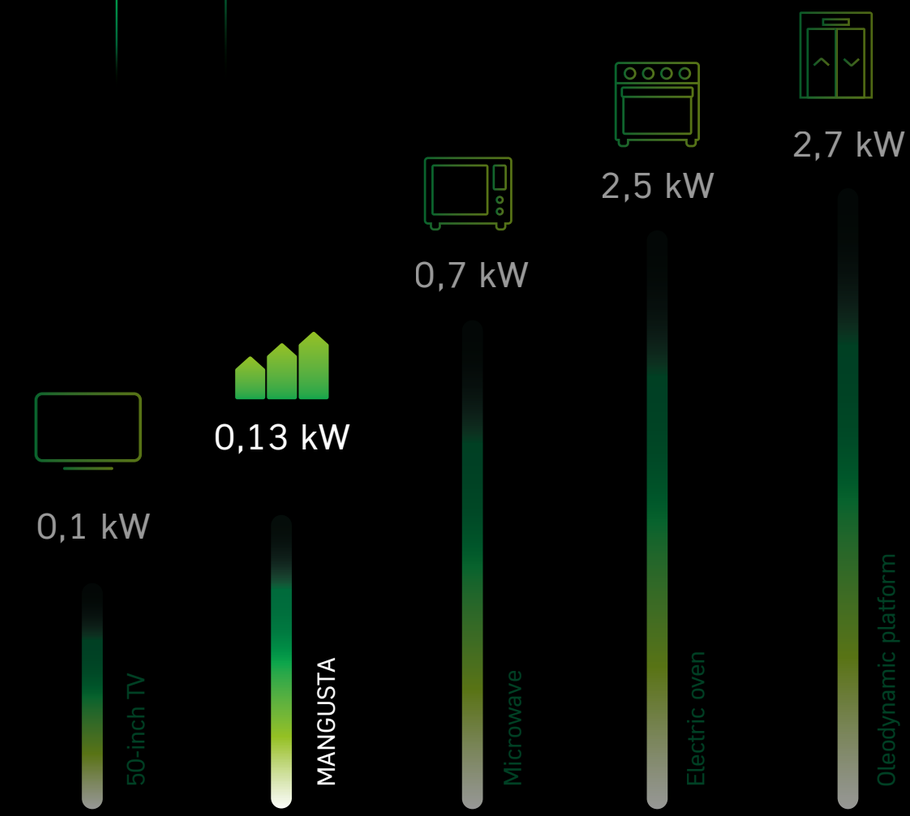
Most of the contracts for residential homes have a power usage of around 3 kW with a tolerance of +10%, that is, it is possible to withdraw up to 3.3 kW without any time limits.

Over and above this limit, the supplier automatically cuts the energy supply by making the meter switch “trip” which then needs to be manually reactivated.

Frequent cut-offs indicate a need for more power to meet the higher demands. In these cases, a request will need to be made to the supplier to increase the power supply by changing the existing contract and this will involve higher supply costs.

Thanks to the technology developed by A.R.E, the maximum committed power by MANGUSTA is just 0.13 kW, on a par with that of an average electrical appliance.

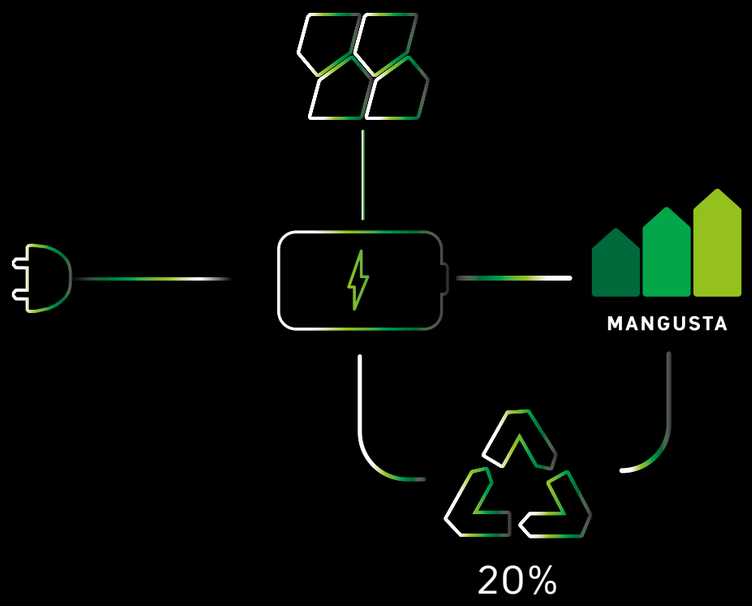
There is no need, therefore, to change the supply contract stipulated, nor is there any need to install another meter with a higher power level. This is an advantage as the supplier’s management costs for supplying electricity will not increase.



Energy recovery system

The MANGUSTA homelift can generate energy during normal usage phases: when the cabin is going up empty or when it is going down and is full. The energy produced is not lost but stored in the batteries.

Thanks to the use of this technology, on average, one in every five times it is used, it does not absorb energy from the grid but uses what has been stored in the batteries. Self-powering guarantees a real reduction in consumption which translates into lower running costs.





SOL-ARE
Recharge from solar panels

SOL-ARE ® is the new technological innovation patented by ARE.
The main function of SOL-ARE is to optimise the battery charging process by using solar energy produced by the photovoltaic panel.

ENERGY SAVING

The system automatically selects the ideal energy source (grid or photovoltaic panel) in order to reduce the amount of energy drawn from the grid, until it reaches a consumption level of ZERO.

ENVIRONMENTAL SUSTAINABILITY

Integrating the photovoltaic panel in a system is environmentally friendly because it promotes the use of renewable energy sources.

AUTOMATIC MANAGEMENT OF THE ELECTRICAL POWER

SOL-ARE® manages battery charging in a smart way, automatically changing the set operation mode, if the frequency of platform use requires it.

AUTOMATIC MANAGEMENT OF THE ELECTRICAL POWER

The system decides the amount of current to draw from the grid autonomously, in compliance with the parameters defined for the minimum and maximum power.

HOURLY PROGRAMMING

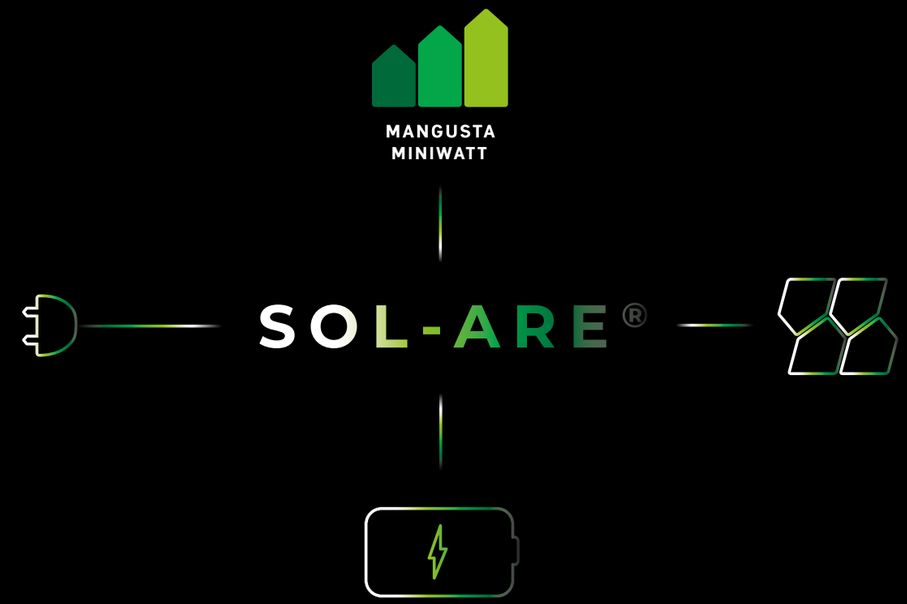
Being able to set the charging mode on an hourly basis, allows you to adapt the charging strategy to the daily uses of the lift, in order to minimise the consumption of electricity from the grid.

SOL-ARE® is equipped with 3 operating modes that the user can set on an hourly basis throughout the day, according to the expected use of the Mangusta Home lift.

ECO FULL
to be used during periods of moderate traffic.

ECO HYBRID
to be used during periods of heavy traffic.

ECO NIGHT
to be used during periods of low or no traffic.



Other advantages

Not only energy saving

Comfortable & quiet

Soft departure and arrival, stopping precision and silence are the distinctive features of MANGUSTA, designed and manufactured to offer maximum comfort.

Machine room less

With MANGUSTA, there is no need for space to house oleodynamic control units and manoeuvring switchboards. The motor unit is located inside the lift well and the manoeuvring switchboard can be incorporated into a floor door.

Safety

MANGUSTA has a speed limiter which prevents uncontrolled cabin movement wherever it is. This limiter equates to compulsory devices found in lifts which comply with EN81-20:2014, 5.6.

Our guide rails

The guide rails of MANGUSTA Homelift have been designed to ensure practicality, efficiency and aesthetic care.
Made of metal sheet, they simplify installation thanks to a compact double guide rail configuration, which replaces the four guide rails of traditional solutions.
The maximum length of 2400mm facilitates handling and optimizes carriage, making them ideal even for small or existing shafts.
The absence of lubricants keeps the guide rails clean, while the possibility of painting them makes them ideal even for panoramic lifts with a refined design.

03

Configurations

Tailor-made projects

Each Mangusta is a unique-piece

You are unique just like our products designed for you are unique. Every client and each project require a specific solution. We are here for this, to look after your needs and satisfy your demands.

Each MANGUSTA, designed by us, is a unique piece, designed specifically for you. Our technology is here to assist you and the wide range of materials and colours makes choosing the solutions that can meet any demand easier.







Variants

No doors
Folding car doors
Automatic doors

No doors

With this version, the cabin's manoeuvring is manual (defined as "with human presence") and there is always a full-height, multi-ray barrier photocell.





Folding car doors

The folding cabin door offers the chance for automatic manoeuvre in the cabin even in limited spaces.

Automatic doors

MANGUSTA is completely automatic in this version.



Manual

Keep the button pressed for the entire duration of the course.

Automatic

Press the button to activate the plant, just like a lift.

VARIANTS	USER'S MANOEUVER	
	CABIN	LAND
No doors	Manual	Automatic
Folding car doors	Automatic	Automatic
Automatic doors	Automatic	Automatic

Automatic doors

Automatic floor and cabin doors. Available with telescope closure with 2 wings or 3 wings and central closure with 2 and 4 wings. Folding cabin doors with electronic command system complete with operator wings and threshold, movement controlled by a mobile frame.





STANDARD
Standard model



FIRE RESISTANT
Optional model

Automatic fire door
EI 60 and EI-120.



GLASS & METAL
Optional model

Panoramic laminated glass and metallic frame.



TOTAL GLASS
Optional model

Laminated clear glass, polished stainless steel upper and lower fixing devices.

✓ RAL Paint finish | Laminated sheet | Stainless Steel | Galvanised & RAL Paint finish



FOLDING DOOR
Standard model

Cabin door



PANORAMIC FOLDING DOOR
Optional model

Cabin door

✓ RAL Paint finish | Stainless Steel

The portrayal of the products and colours is for explanatory purposes only.

Swing doors

Semi-automatic swing doors, manual opening and automatic closure by return spring.
Adaptable to any environment, with combinations of finishes, colours, glass and sizes.
The aluminium handle shown in the pictures is included with the door.

WINDOW



C1
standard model



V1
optional model



V2
optional model



V3
optional model

Rust-proof Paint finish | RAL Paint finish | Galvanised & RAL Paint finish



P1
optional model



PS1
optional model



D7
optional model



D1
optional model

Rust-proof Paint finish | RAL Paint finish | Galvanised & RAL Paint finish

The portrayal of the products and colours is for explanatory purposes only.

The portrayal of the products and colours is for explanatory purposes only.



FIRE RESISTANT
optional model

EI-120 Fire resistant single panel swing door with electrical safety lock. Semiautomatic, manual opening and automatic closing with return spring and damper, uprights with carters.



THERMAL BREAK
optional model

Thermal break door to a hinged degree of transmittance thermal U = 2,12 W/mqk mineral wool in the leaf and in the frame (box). Gaskets of cold-proof stop along the door perimeter and lower floor hood profile.

✓ Rust-proof Paint finish | RAL Paint finish | Galvanised & RAL Paint finish



ARMOURED
optional model

Armored Swing Door with a thickness of 70mm and a mechanical security lock. Additional CISA-type armored door lock with half barrel and recessed knob inside the shaft and external defender. Semi-automatic, manual opening and automatic closing through a return spring and damper, cased uprights.

✓ Rust-proof Paint finish | RAL Paint finish | Galvanised & RAL Paint finish

The portrayal of the products and colours is for explanatory purposes only.



ALLUMINIUM
optional model

Single panel Alluminium Panoramic model swing door with mechanical safety lock. Leaf made by extruded aluminium profile and panoramic glass without glazing beads, uprights and lintel made by extruded aluminium if the width is 100 mm, if different builted in steel sheet and aluminium covered, stainless steel sill profile. Semiautomatic, manual opening and automatic closing with return spring and damper. Uprights with carters.



Stainless steel tube handle T20



Profils in natural silver color anodized aluminium

✓ Natural Alluminium | RAL Paint finish Alluminium



CRYSTAL
optional model

Crystal model single panel swing door with safety lock. Leaf in tempered laminated glass, stainless steel handle and hinges. Semiautomatic, manual opening and automatic closing with adjustable hydraulic door closer, located inside the lintel and provided with 90°stop. Uprights with carters.



optional model

T20/30 | RC40 | TC30
Profiles in natural anodized silver aluminum

✓ Stainless Steel | RAL Paint finish

The portrayal of the products and colours is for explanatory purposes only.



Cabin Monolith

standard

A modern design for an exclusive result

Monolith cabin features a subtle and elegant line and can be customised to suit even the most demanding clients' requests.
The standard product can be enhanced by choosing the skirting board and button in different materials and colours from those on the walls.

Every detail has been thought out

The side panels are always designed in proportion to the central panel whatever the size of the cabin.
The same proportion continues in the cabin's roof profiles with a perfectly harmonious result.

Highly robust and silent

The walls with vertical slats are not only aesthetic and design elements, but also have the dual function of increasing sturdiness and simplifying the Monolith assembly process.
Furthermore, the exclusive design significantly reduces the noise caused by micro vibrations.
The final effect is to make MANGUSTA even quieter and more comfortable.

✓ Laminated Sheet | RAL Paint finish | Stainless Steel



Cabin lighting *(optional)*, full-length mirror *(optional)*, display *(optional)*, landing operating panel *(optional)*

Cabin lighting *(optional)*, half mirror *(optional)*, handrail *(optional)*, car and landing control panel *(optional)*, car display *(optional)*

Cabin lighting *(optional)*, half mirror *(optional)*, handrail *(optional)*, car and landing control panel *(optional)*, car and landing display *(optional)*

Cabin Elegant

optional

The new design proposal

Elegant is the new line of cabins in Laminated Plastic with a state-of-the art and elegant design.

- Laminated Plastic

A unique cabin that is just as unique as your requirements

The new range of colours proposed for the walls includes both natural shades of wood and more sophisticated, paler colours.
The finishing in faux wood can perfectly reproduce the elegance of wood without compromising its resistance and enhancing the environment in which the cabin is installed.
In order to satisfy demands from the most exacting clients, both the colour of the walls and the finishings can be customised by choosing between Scotch-Brite stainless steel (standard supply) polished stainless steel and dam.
Each cabin is the result of a combination of a vast selection of materials with a unique and exclusive end product.



The refinement of the modern design

Elegant Plus is the most innovative proposal with horizontal wall slats covered and profiled in plastic laminate.
The walls are enhanced with finishings with stainless steel angles.

The refinement of the classic

Elegant Unique is the most classic proposal and always modern with walls covered in plastic laminate and enhanced with stainless steel angles and skirting board.



Metal structure

MANGUSTA can be supplied complete with metal structure well suited to being positioned both inside and outside the construction.

In order to meet all our customers' requirements, descent walkways are available (with parapets in metal or glass) with completely closed walkways, complete with transom windows and rain canopies (with sheet metal or glass cladding) and RAL painted doors and frames.

All the structures comply with current construction standards. It is possible to request glass cladding (see pag.49) and panels in RAL painted metal sheets.

RAL Paint finish | Galvanised & RAL Paint finish







04

Finishes

RAL paint finish[1]

optional [2]

The colours shown may not be correctly represented. Please refer to the official RAL cards when choosing the RAL colour.

RAL 9003
Signal White

RAL 9010
Pure White

RAL 9001
Cream White

RAL 1013
Pearl White

RAL 1015
Clear Ivory

RAL 7035
Light Grey

RAL 7037
Dusty Grey

RAL 7001
Silver Grey

RAL 9006
Bright Alluminium

RAL 9007
Grey Alluminium

RAL 7016
Charcoal Grey

RAL 8017
Chocolate Brown

✓ Monolith cabin | Automatic cabin door | Automatic landing door | Swing door | Folding cabin door | Technical cabinet | Struture

[1] Standard RAL colors. It is possible to choose, for an additional cost, any color from the official RAL color chart except for pearlescent and metallic colors.
[2] Standard for automatic landing doors, swing doors, and structure.
The portrayal of the products and colours is for explanatory purposes only.

Laminated sheet

Standard [1]

For automatic doors in the 115 System, Minisill, Glass & Metal models, please refer to the finishings for landing doors.

A49PP
Shiny White

PPS10
Shiny Ivory

A13
Embossed Beige

PPS11
Shiny Beige

PPS6
Shiny Silk

F12PPS
Similinox

✓ Automatic landing door | Technical cabinet | Cabin Monolith | Automatic car door

DT29SMA
Brushed Grey

N1
Embossed Grey

R2
Embossed Red

B10SMA
Embossed Midnight Blu

B1
Embossed Blu

G4SA
Matt Orange

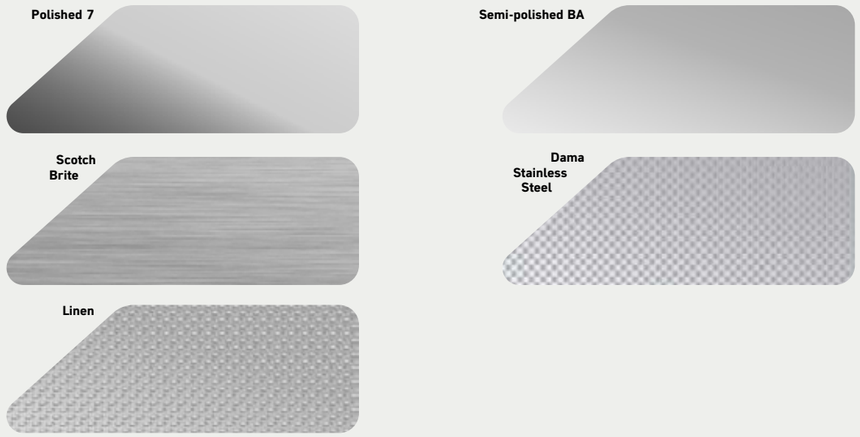
✓ Monolith cabin | Automatic cabin door

[1] For cabin and automatic cabin door
The portrayal of the products and colours is for explanatory purposes only.

Stainless steel

optional

We recommend choosing from the available options by following the table below.



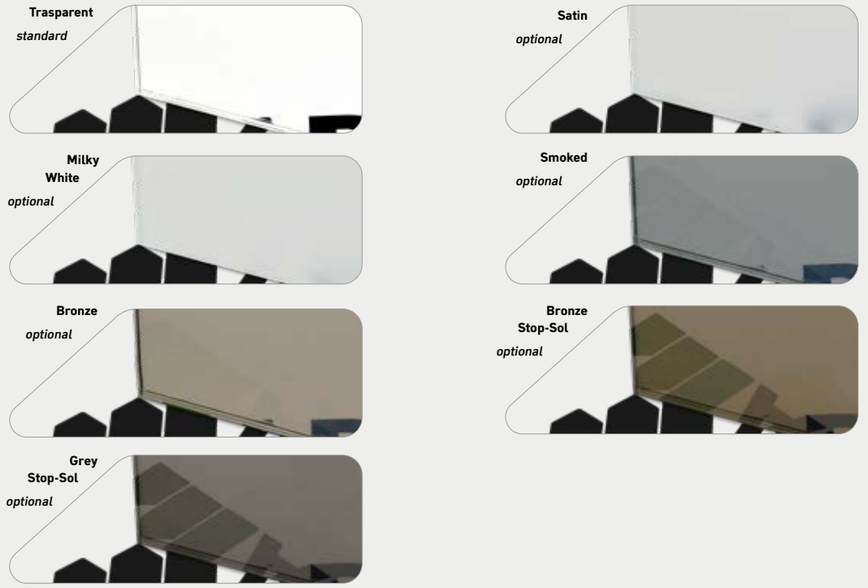
Automatic car door | Automatic landing door | Crystal door | Monolith cabin | Folding cabin door
Technical cabinet

STAINLESS STEEL	For indoor	For outdoor	Seafront
AISI 430 Scotch Brite	✓	×	×
AISI 304 Semi-polished BA	✓	✓	×
AISI 304 Polished 7	✓	✓	×
AISI 304 Dama Stainless steel	✓	✓	×
AISI 304 Linen	✓	✓	×
AISI 316 Semi-polished BA	✓	✓	✓

The portrayal of the products and colours is for explanatory purposes only.

Glass

For each environment, we offer you the opportunity to choose the finish that best enhances it.



Window swing door | Plugging structure | Crystal door | Alluminium door | Glass & Metal door
Total Glass door | Panoramic car wall | Panoramic folding door

The portrayal of the products and colours is for explanatory purposes only.

PVC

These floors are a PUR Pearl surface, a combination of embossing and lacquering that guarantee the finished smooth and elegant matte feature that is highly resistant to scratches, tread and wear.







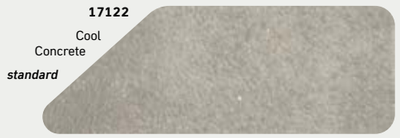


Floor's Client
optional

Set for client coating tickness max 15 mm

Monolith car | Elegant car









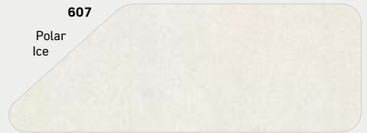


The portrayal of the products and colours is for explanatory purposes only.

Granit touch

optional

Floor obtained using a mix grits of granite, quartz, glass and interlacing of glass mosaic. Most of the raw materials used are obtained by recycling Post-Consumption products. The perfect combination of these materials creates the right balance between technology and respecting the environment.









Monolith car | Elegant car









The portrayal of the products and colours is for explanatory purposes only.

Laminated plastic

standard [1]

The range of colors offered includes both natural wood-effect tones and softer, more refined colors capable of meeting every request.





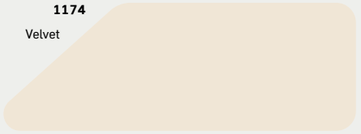


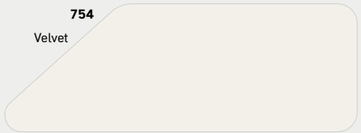
















✓ Elegant cabin

Finishing summary

	Landing door		Cabin doors		Cabin		Cabinet	Structure
	Swing	Automatic	Automatic	Folding	Monolith	Elegant		
Rust-proof Paint Finish	O	×	×	×	×	×	O	×
Galvanised and RAL Paint finish	O	O	×	×	×	×	O	O
RAL Paint Finish	S	S	O	O/1	O	×	S	S
Stainless Steel	O	O	O	O	O	×	O	O
Laminated Sheet	×	O	S	×	S	×	O	×
Laminated Plastic	×	×	S	×	×	S	×	×
Natural Alluminium	O	×	×	×	×	×	×	×
RAL Paint finish Alluminiun	O	×	×	×	×	×	×	×

1 = standard RAL 9007 | O = optional | S = standard | x = not provided

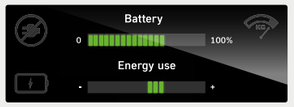
[1] Standard only for elegant cabin.
The portrayal of the products and colours is for explanatory purposes only.



05

Accessories

Display



SMART [1]
standard

Energy level display

- Car display



TFT [2]
optional

High-resolution TFT display
Available 4.3”

- Landing display



SMART PLUS
optional

High-resolution TFT display
Available 7”

- Car display



ICARO
optional

LCD display
Frame or flush anti-scratch and anti-impact transparent polycarbonate screen

- Landing display

Handrail
optional



STRAIGHT ENDS

Stainless steel handrail with straight ends

- Scotch-Brite stainless steel
- Polished stainless steel



CURVED ENDS

Wood handrail with supports and curved ends in Scotch-Brite stainless steel

- Oak wood
- Beech wood

Buttons



STANDARD
standard

AISI 304 stainless steel button with braille.



VANDAL-PROOF IP54
optional

Vandal-proof button with braille with degree of protection IP54.



[1] Not available on Venice control panel.
[2] Can only be installed on Aida or Venice landind control panel models.
The portrayal of the products and colours is for explanatory purposes only.

The portrayal of the products and colours is for explanatory purposes only.

Cabin control panel

optional



VENICE [1/2]

H 1900 mm with
display TFT 7''
Only for projects with
automatic doors

- Black glass
- White glass



AIDA [2]

H 1900 mm available
with 7" TFT display
upon request

- Scotch-Brite stainless steel
- Polished stainless steel

[1] It's not possible to provide Smart Display.
[2] Not available for Elegant cabin
The portrayal of the products and colours is for explanatory purposes only.

Landing control panel

optional



AIDA 65

Width 65 mm.
Available with Icaro
display upon request.
Wall secured, without
building work

- Scotch-Brite stainless steel
- Polished stainless steel



AIDA 85

Width 85 mm.
Available with 4.3" TFT
display upon request.
Wall secured, without
building work

- Scotch-Brite stainless steel
- Polished stainless steel



SOFT 75

Width 75 mm.
Available with
icaro wire display
Possibility of box
to be walled

- Scotch-Brite stainless steel
- Blu polished stainless steel



VENICE 100

Width 100 mm.
Available with TFT
vertical display 4.3''
Installable only with
a recessed box

- Black glass
- White glass

The portrayal of the products and colours is for explanatory purposes only.

Handle

optional



R40

Scotch-Brite
stainless steel
AISI 304

40 x 15 x L 1260



Q20

Scotch-Brite
stainless steel
AISI 304

20 x 20 x L 320



RC40

Scotch-Brite
stainless steel
AISI 304

40 x 10 x L 500

T20 - T30

Scotch-Brite
stainless steel
AISI 304

ø20 x L 300
ø30 x L 500



TC30

Scotch-Brite
stainless steel
AISI 304

ø30 x L 500
ø30 x L 1000

The portrayal of the products and colours is for explanatory purposes only.

Enabling system

optional

ALPHANUMERIC KEYPAD



Metal backlit, IP 66,
up to 2 contacts

✓ Cabin



Backlit, IP 68, s
ingle contact only
120 x 58 x 22 mm

✓ Landing



I-BUTTON

Vandal-resistant
electronic key.
IP51



ENABLE KEYS

Key contact.
IP51
available:
- 2 positions, 1 extraction
- 2 positions, 2 extractions

AUTOMATIC SWING DOOR OPENING/CLOSING SYSTEM

✓ Only for indoor





The portrayal of the products and colours is for explanatory purposes only.

Ceilings



2 SPOTLIGHTS
standard

✓ Cabin Elegant | Cabin Monolith



4 SPOTLIGHTS
optional

✓ Cabin Elegant | Cabin Monolith



FRAME
optional

✓ Cabin Monolith



TWIN
optional

✓ Cabin Monolith



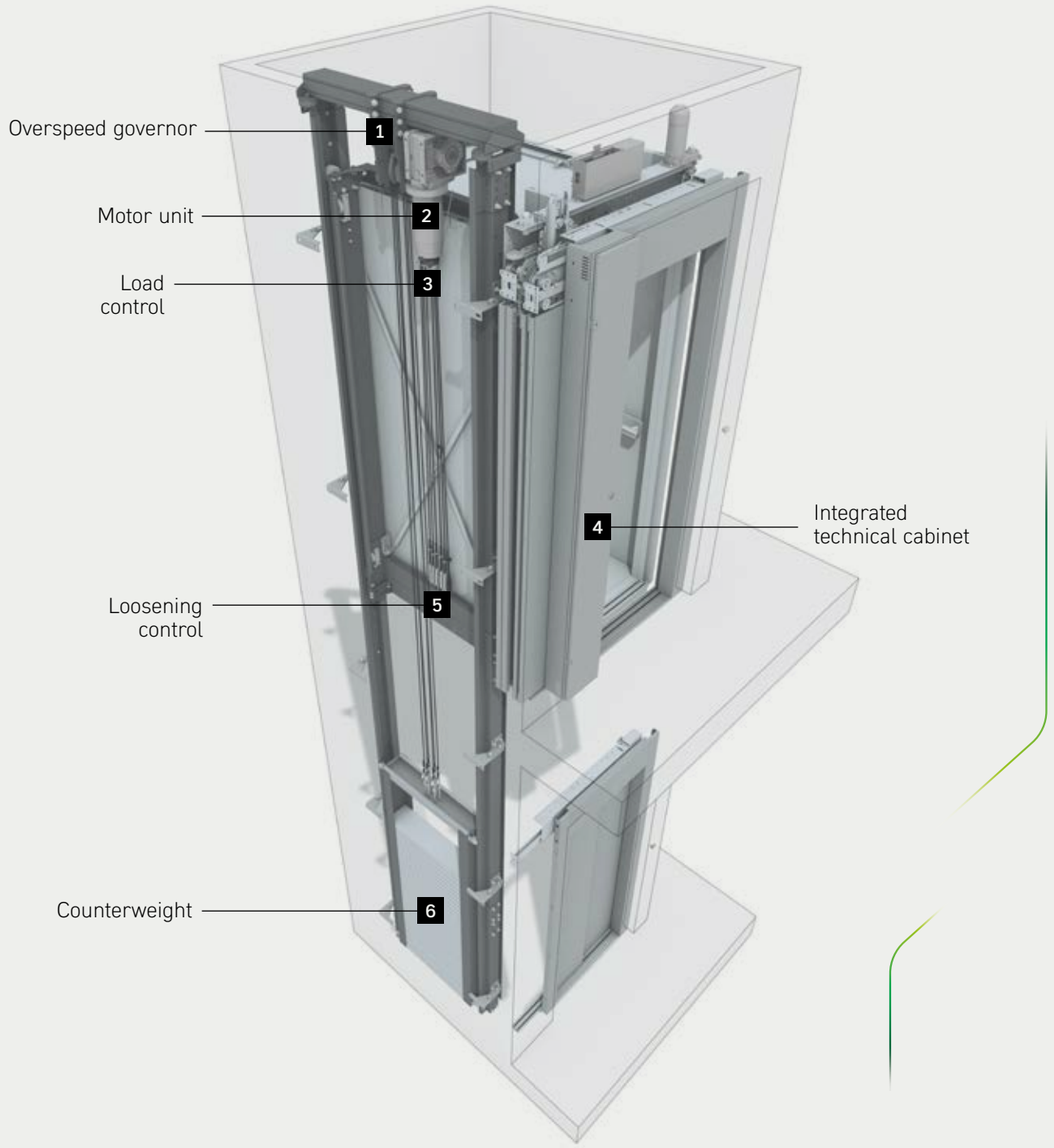
CLOUD
optional [1]

✓ Cabin Monolith

[1] With false ceiling applicable only with cabin height of at least 2100 mm.
The portrayal of the products and colours is for explanatory purposes only.

06

Technical specifications



Technical features

Capacity	300 kg	450 kg	500 kg
Reference legislation	Direttiva Macchine 2006/42/CE - EN81-41:2011 (where applicable)		
Capacity max (People)	4	6	6
Max Speed (m/s)	0,15	0,15	0,15
Maximun number of stops	8	8	8
Hourly insertions	45	45	45
Travel (mm)	24000	24000	24000
Headroom (mm)	2600	2600	2600
Pit (mm)	150	150	150
Maximum car's area (m^2)	1,2	1,8	2
Lift power supply	battery	battery	battery
Committed power (kW)	0,13	0,23	0,23
Inrush absorption from the network (A)	0,7	2	2
Mains power supply (V)	230	230	230
Maximum travels in case of blackout [1]	60	45	30
Recovery energy system	standard	standard	standard
Anti Blackout System	standard	standard	standard
SOL-ARE	optional	optional	optional

[1] The number of travels may vary depending on the battery charge.

min. interfloor	No door	Folding door	Automatic door
With doors on opposite sides and/or adjacent [1] (mm)	300	150	150
With doors on the same side (mm)	H door frame + 100	H door frame + 100	H opening + 350[2]

[1] Plants with close planes at both ends are not feasible
[2] H Opening + 400 with total glass doors

Standard headroom

Variants	Headroom (mm)	H car (mm)	H door width (mm)
Manual swing door	2600	2100	2000
Folding door	2600	2100	2000
Automatic car door [1]	2600	2100	2000

Minimun headroom

Variants	Headroom (mm)	H car (mm)	H door width (mm)
Manual swing door	2400	2100	2000
Folding door	2400	2100	2000
Automatic car door [1]	2400	2100	2000

Reduced headroom

Variants	Headroom (mm)	H cabin (mm)	H door width (mm)
Manual swing door [2]	2200	2000	2000
Folding door [2]	2200	2000	1900
Automatic car door [1]	2300	2000	1900

[1] +50 on headroom for total glass
[2] Special mechanics Y CAB = Y CAB STD - 50

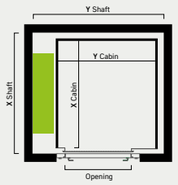
Pit 150 mm for all elevators

No door

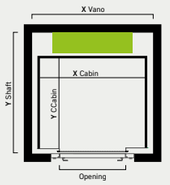
Capacity			Cabin				Existing shaft		Structure	
Load (kg)	People	Accessibility	X (mm)	Y (mm)	Opening (mm)	Access	X (mm)	Y (mm)	X (mm)	Y (mm)
250	3		800	1200	750	1F[4]	970	1580	1150	1680
250	3		1200	800	750	1L	1350	1190	-	-
300	4		1200	850	750	1L	1350	1240[1]	1460	1360[3]
250	3		1200	800	750	2O	1340	1190	-	-
300	4		1200	850	750	2O	1340	1240[1]	1440	1360[3]
350	4		950	1300	800	1F[4]	1110	1680	1200	1780
350	4		1300	950	800	1L	1450	1340	1560	1440[2]
350	4		1300	950	800	2O	1440	1340	1540	1440[2]
400	5		1200	1200	800	3	1340	1580	1440	1680
400	5		1200	1200	800	2A	1350	1580	1460	1680
400	5		1100	1400	900	1F[4]	1260	1780	1350	1880
400	5		1400	1100	900	1L	1550	1490	1660	1590[1]
400	5		1400	1100	900	2O	1540	1490	1640	1590[1]
450	6		1300	1300	900	2A	1450	1680	1560	1780
500	6		1400	1400	900	2A	1550	1780	1660	1880
500	6		2000	1000	850	1L	2150	1390	2260	1490[2]
500	6		2000	1000	850	2O	2140	1390	2240	1490[2]

[1] Add 30mm to Y shaft for cabinet side door | [2] Add 40mm to Y shaft for cabinet side door | [3] Add 70mm to Y shaft for cabinet side door
[4] Cabinet side door not available

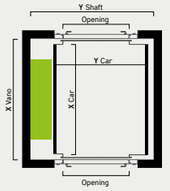
1L



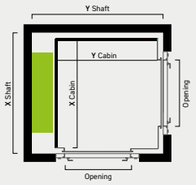
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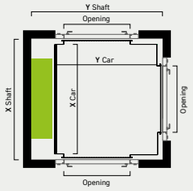
2O



2A



3



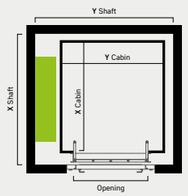
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Folding door

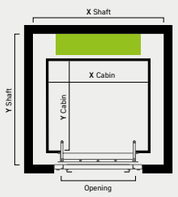
Capacity			Cabin				Existing shaft		Structure	
Load (kg)	People	Accessibility	X (mm)	Y (mm)	Opening (mm)	Access	X (mm)	Y (mm)	X (mm)	Y (mm)
250	3		800	1200	750	1F[4]	970	1570	1150	1670
250	3		1200	800	750	1L	1340	1190	-	-
300	4		1200	850	750	1L	1340	1240[1]	1450	1360[3]
250	3		1200	800	750	2O	1320	1190	-	-
300	4		1200	850	750	2O	1320	1240[1]	1430	1360[3]
350	4		950	1300	800	1F[4]	1110	1670	1200	1770
350	4		1300	950	800	1L	1440	1340	1550	1440[2]
350	4		1300	950	800	2O	1420	1340	1530	1440[2]
400	5		1100	1400	900	1F[4]	1260	1770	1350	1870
400	5		1200	1200	800	3	1320	1570	1430	1670
400	5		1200	1200	800	2A	1340	1570	1450	1670
400	5		1400	1100	900	1L	1540	1490	1650	1590[1]
400	5		1400	1100	900	2O	1520	1490	1630	1590[1]
450	6		1300	1300	900	2A	1440	1670	1550	1770
500	6		1400	1400	900	2A	1540	1770	1650	1870
500	6		2000	1000	850	1L	2140	1390	2250	1490[2]
500	6		2000	1000	850	2O	2120	1390	2230	1490[2]

[1] Add 30mm to Y shaft for cabinet side door | [2] Add 40mm to Y shaft for cabinet side door | [3] Add 70mm to Y shaft for cabinet side door
[4] Cabinet side door not available

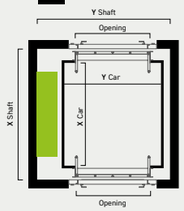
1L



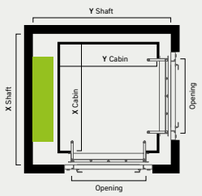
1F



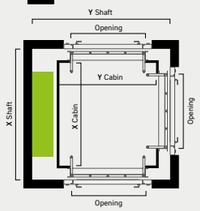
2O



2A



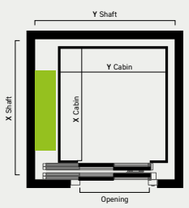
3



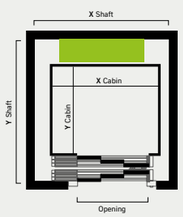
Automatic door

Capacity			Car				Existing shaft		Structure	
Load (kg)	People	Accessibility	X (mm)	Y (mm)	Opening (mm)	Access	X (mm)	Y (mm)	X (mm)	Y (mm)
300	4		1000	1200	750	1F[4]	1170	1820	1320	1920
300	4		1200	900	750	1L	1500	1300	1610	1440
300	4		1200	900	750	2O	1640	1300	1740	1440
350	4		1000	1300	750	1F[4]	1170	1920	1320	2020
350	4		1300	950	750	1L	1600	1340	1710	1440
350	4		1300	950	750	2O	1740	1340	1840	1440
400	5		1100	1400	800	1F[4]	1260	2020	1390	2120
400	5		1200	1200	800	3	1640	1730	1740	1830
400	5		1200	1200	800	2A	1500	1730	1610	1830
400	5		1400	1100	800	1L	1700	1490	1810	1590
400	5		1400	1100	800	2O	1840	1490	1940	1590
450	6		1300	1300	800	2A	1600	1830	1710	1930
500	6		1400	1400	800	2A	1700	1930	1810	2030
500	6		2000	1000	750	1L	2300	1390	2410	1490
500	6		2000	1000	750	2O	2440	1390	2540	1490

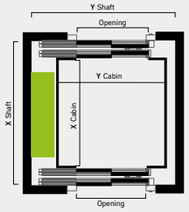
1L



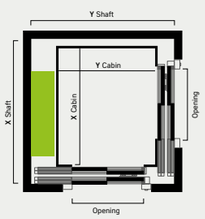
1F



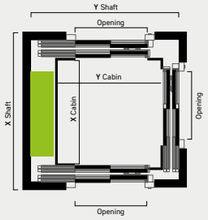
2O



2A



3



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The smallest

Manual swing door

Capacity			Cabin				Existing shaft		Structure	
Load (kg)	People	Accessibility	X (mm)	Y (mm)	Opening (mm)	Access	X (mm)	Y (mm)	X (mm)	Y (mm)
150	1		600	550	500	1L	750	955	830	1075
150	1		600	600	550	1F	770	955	830	1115
150	1		600	550	500	2O	740	955	820	1075
150	1		600	550	500	2A	750	945	-	-
150	1		600	700	550	2A	750	1080	830	1215
150	1		600	550	500	3	740	945	-	-
150	1		600	700	550	3	740	1080	820	1215

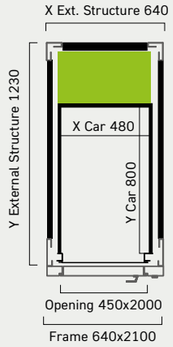
Automatic car door

Capacity			Cabin				Existing shaft		Structure	
Load (kg)	People	Accessibility	X (mm)	Y (mm)	Opening (mm)	Access	X (mm)	Y (mm)	X (mm)	Y (mm)
150	1		700	600	550	1F	900	1235	970	1325
150	1		700	600	500	2A	1020	1165	1100	1255
150	1		750	550	500	1L	1070	955	1150	1045
150	1		750	550	500	2O	1220	955	1300	1075
150	1		750	600	500	2A	1070	1165	1150	1255
150	1		750	600	500	3	1220	1160	1300	1250

Folding door

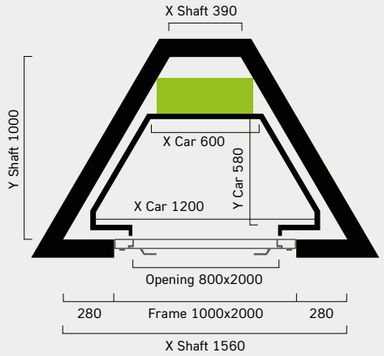
Capacity			Cabin				Existing shaft		Structure	
Load (kg)	People	Accessibility	X (mm)	Y (mm)	Opening (mm)	Access	X (mm)	Y (mm)	X (mm)	Y (mm)
150	1		700	550	500	2O	820	955	900	1045
150	1		700	550	500	1L	840	955	920	1045
150	1		600	700	550	1F	770	1085	840	1205
150	1		750	650	500	2A	900	1035	970	1125
150	1		850	650	500	3	970	1035	1050	1125

Specials



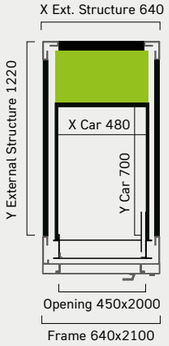
NO DOOR

Minimun headroom 2600m



TRAPEZOIDALE

Minimun headroom 2600m



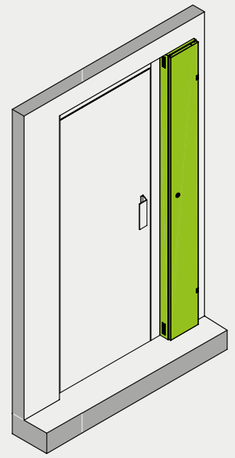
FOLDING DOOR

Minimun headroom 2600m

ROUND

Minimun headroom 2600m

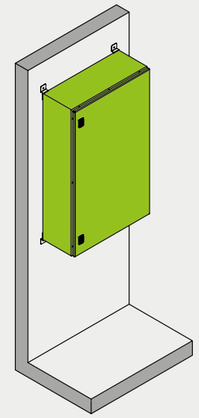
Technical cabinet



SWING DOOR SIDE[1]
W280 x D200 x H2100

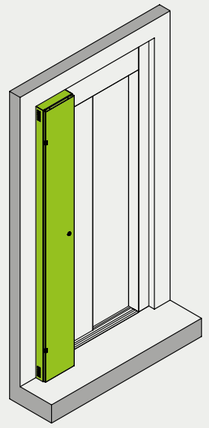
Finishes:
- ✓ As per landing door

[1] Not available with the alluminium, the crystal, the fire resistant and non-standard door height.



ON THE WALL
W600 x D260 x H1000

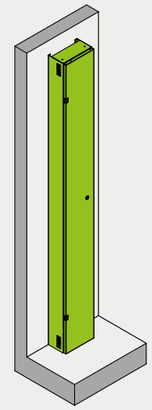
Finishes:
- ✓ RAL paint 7035



AUTOMATIC DOOR SIDE[1]
W280 x D200 x H2238

Finishes:
- ✓ As per landing door

[1] Not available with Glass & Metal, Total Glass, 3AT doors, with non-standard door height and EI



ON THE WALL
W280 x D200 x H2100[1]
W280 x D200 x H2238[2]

Finishes:
- ✓ As per landing door
- ✓ If painted metal shaft: the same colour of the shaft

[1] For swing doors' lifts only
[2] For automatic doors' lifts only

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