

ELIOS

ENERGY SAVING ELEVATOR



Ascensori
Risparmio
Energetico



2 The Real Energy Saving Lift

ELIOS is an electrical lift designed and manufactured by ARE Srl. It features an innovative traction system, the patented¹ *ELIOS*[®]H2E (High Efficient Energy), which allows for exceptional performance levels with only 0.3 kW of power. Moreover the two batteries installed ensure that *ELIOS* can also be used during prolonged blackouts.



A.R.E. Srl is a company established in 2009 by manufactures having thirty years of experience in the field of elevators. ARE invested in the technological research for the purpose of reducing energy consumption, having the objective of building low energy consumption elevators, comparable to the smallest appliances.

ELIOS

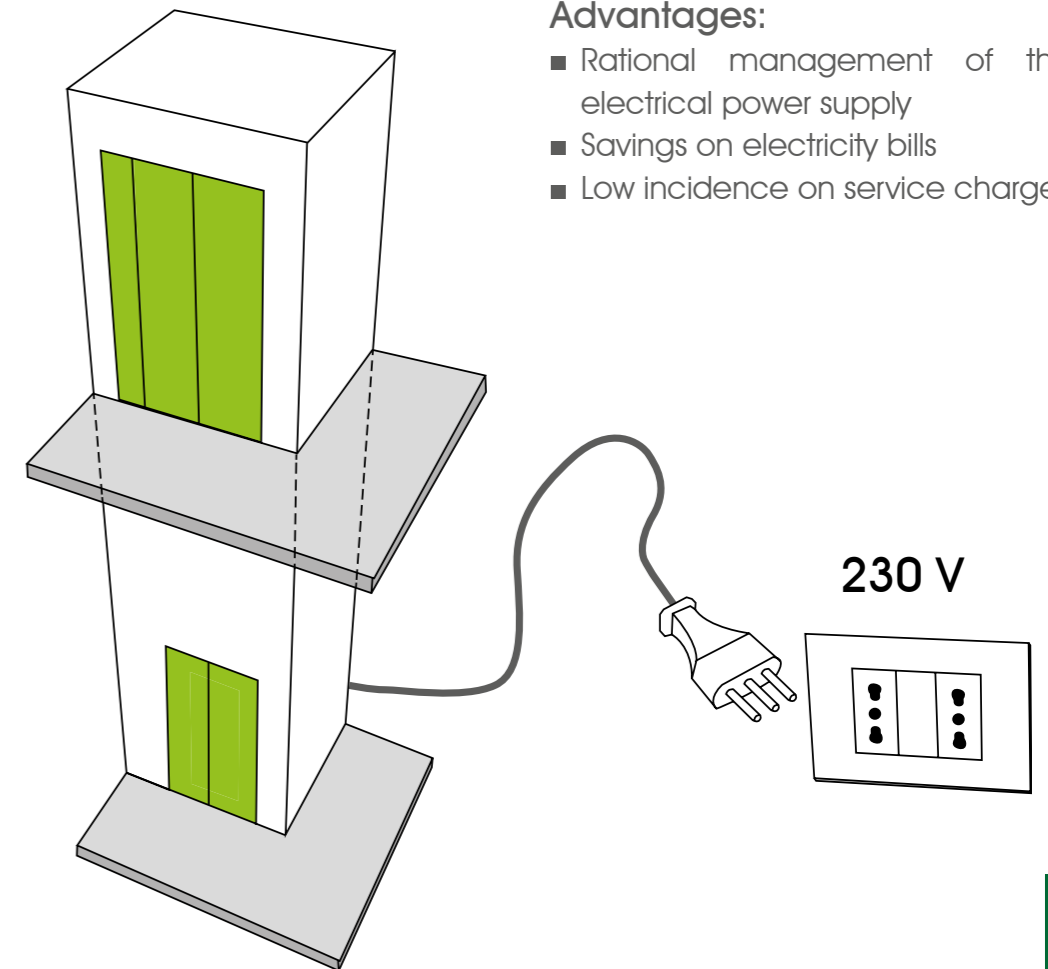
THE ELEVATOR
OF
THE PRESENT
AND
THE FUTURE

AUTONOMY
ECONOMY
EFFICIENCY

ELIOS can be plugged to a mains socket just like an electrical appliance

230 V POWER
SUPPLY

ELIOS must be connected to the 230 V single-phase mains like a normal electrical appliance. There is no need to ask the power supply for a special 380 V three-phase power line and when installing in building it can simply be connected to the building light mains.



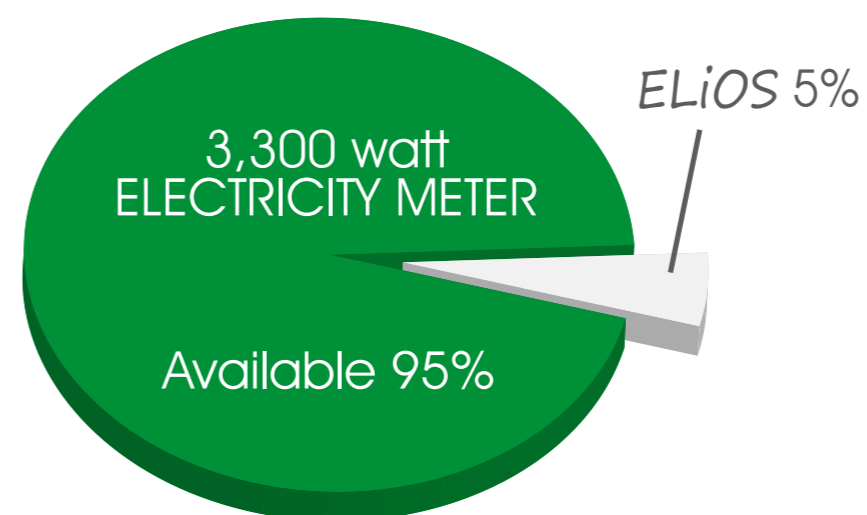
Advantages:

- Rational management of the electrical power supply
- Savings on electricity bills
- Low incidence on service charges

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POWER
USED
300 WATT

Power use on the electricity meter



The *ELIOS* lift uses only 300 watts on the electricity meter during operation. The most commonly used electricity meters provide 3,300 watts. *ELIOS* uses a maximum of 5% of this amount, therefore the remaining 3,000 watts will be available for other domestic or building requirements.

¹ SIB Italian Society for Patents submission no. FI2011A000112 from 27/05/2011.

Not only energy saving.

All advantages of *ELiOS*.



Anti Blackout system

The presence of the two batteries allows the use of *ELiOS* even in the absence of electricity (black-out) for around 30 runs. The number of runs may vary depending on the battery charge.



Absence of Equipment Room

With *ELiOS* no space is required to accommodate the hydraulic control units and control boards, the engine being located in the elevator shaft and the control panel is located in the top landing door.



Custom Made

ELiOS is designed to be installed in small spaces. All our solutions are custom made for your requirements.



Environmentally friendly

ELiOS in the elevator that respects the environment. The low amount of energy required to operate put *ELiOS* at the top in the ranking of the most environmentally friendly lift present on the elevator market.



Low used power

The 150 Watts of used power allow the operation of *ELiOS* without being preoccupied to turn off other appliances and no power increase is required in the electric energy contract, the standard private home power or light counter from the staircases being sufficient.



230 V Power Supply

ELiOS can be connected to the 230 V mains, just like a normal electrical appliance. When installing in condominiums it can simply be connected to the building light mains.

TECHNICAL SPECIFICATIONS

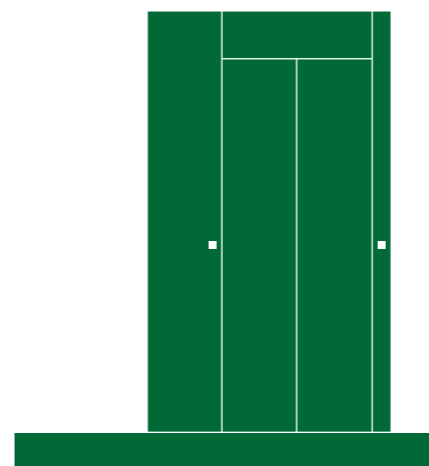
ELiOS

LIFTING CAPACITY	PEOPLE	SPEED
180 Kg	2	0,80 m/sec
375 Kg	4	
450 Kg	6	
600 Kg	8	0,60 m/sec

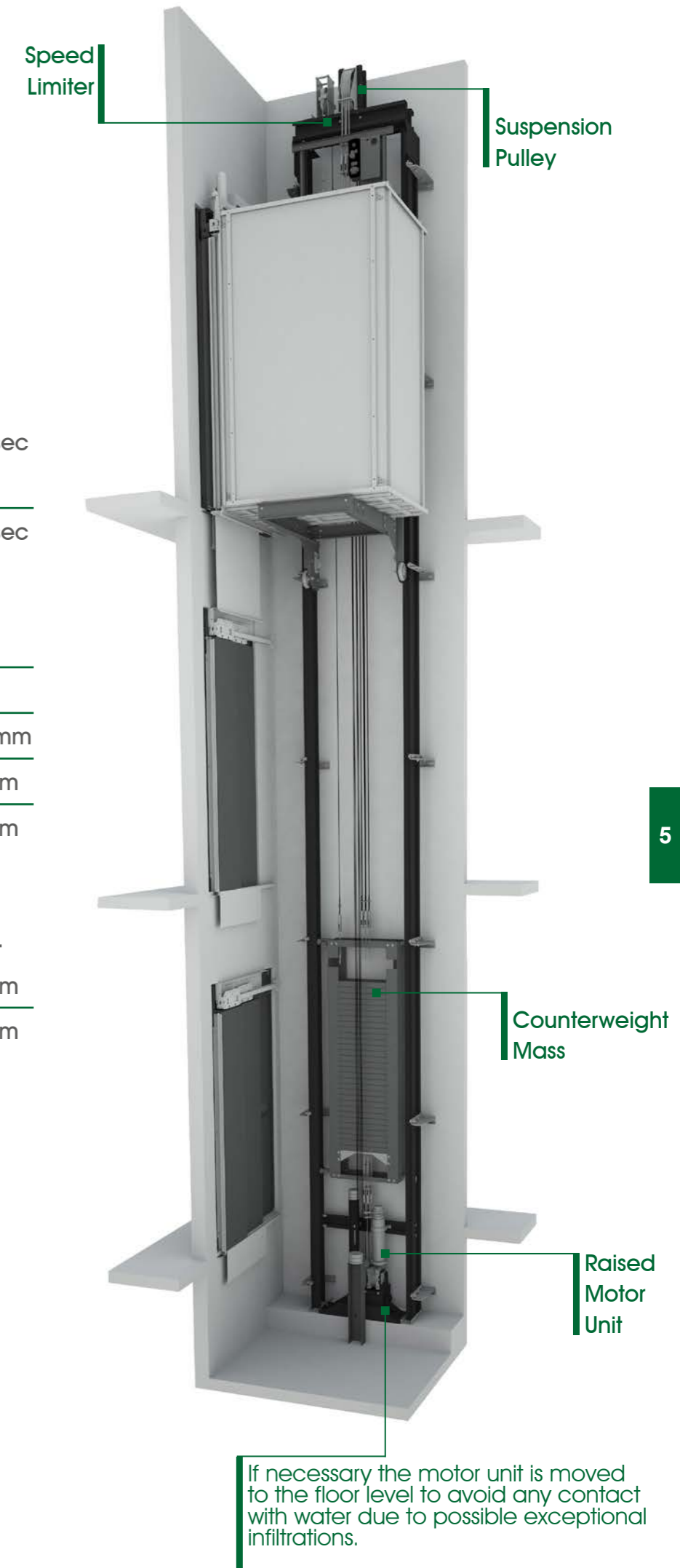
SPECIFICATIONS	
Time insertions	90
Max number of stops	10
Max travel	35.000 mm
Headroom	3.500 mm
Pit	1.050 mm

MINIMUM HEADROOM	CABIN H.
3.400 mm	2.150 mm
3.300 mm	2.050 mm

TECHNICAL CABINET



The technical cabinet is integrated in the floor door.



If necessary the motor unit is moved to the floor level to avoid any contact with water due to possible exceptional infiltrations.

ELIOS CABIN

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WALLS: LINE NEEDLECORD 2 423 Viola Madras
FINISHES: F12PPS Similinox
FLOOR: 17102 Bright Grey
CEILING: A49PP Shiny White



STONE CABIN



WALLS: G13SA Matte Yellow
FINISHES: F12PPS Similinox
FLOOR: 3740 Blue
CEILING: A49PP Shiny White

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OPERATING PANEL (Optional)



Floor operating panel
in glossy black glass



Floor operating panel
Bugatti in stainless steel



Floor operating panel
Aida in stainless steel



Cabin operating panel
Aida in stainless steel

MATERIALS AND COLORS

Offer based on laminated sheet, PVC floor, Ceiling A49PP Shiny White and lighting with four 3 W LED bulbs each.
Possibility to select a wall colour and a different one for finishing.

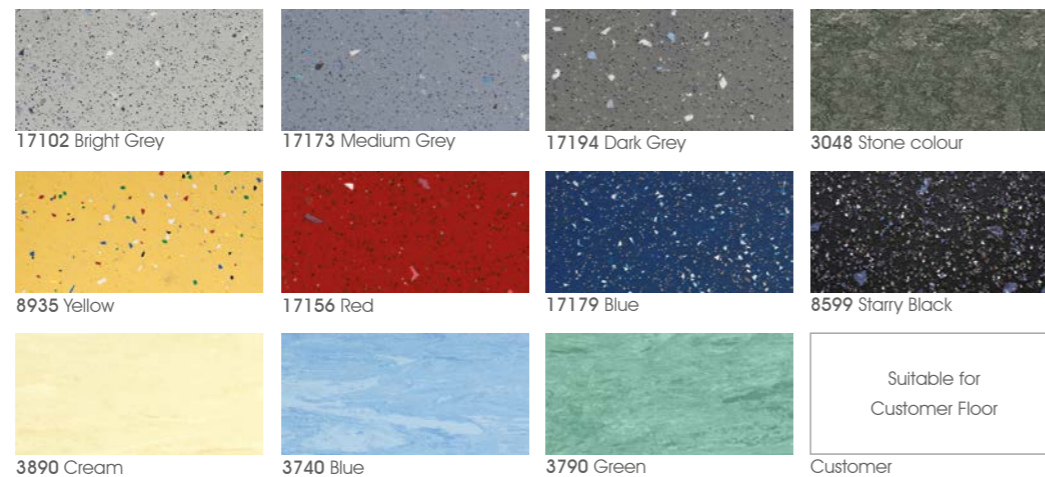
LAMINATED SHEET



8

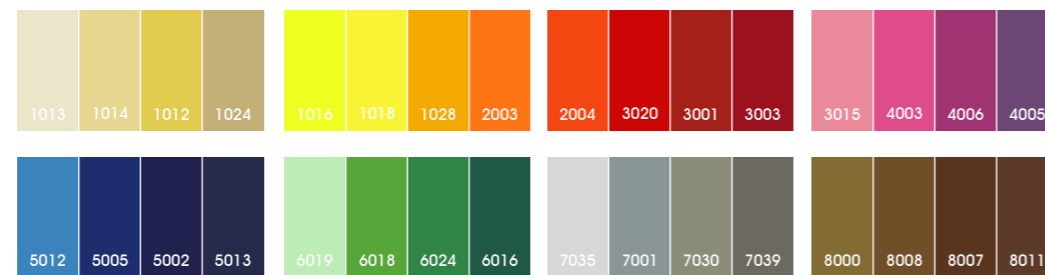
PVC FLOORS

These floors have a surface pur pearl, a combination between embossing and acquiring that provides the characteristics smooth finish and elegant matt with high resistance to scratches, pounding and foot traffic.

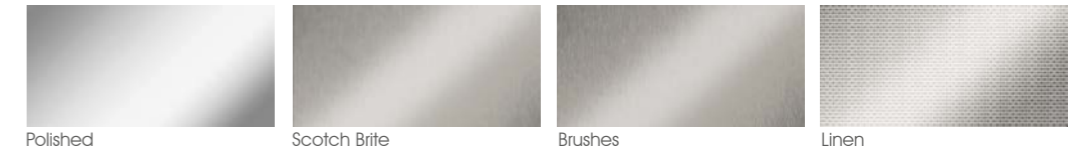


RAL PAINT

Available all RAL colors except pearlescent. The colors shown may not be represented correctly, for choosing the RAL color refer to official samples.

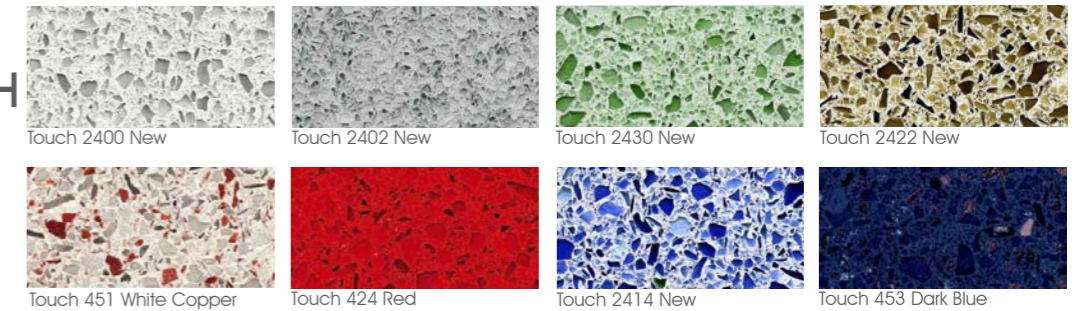


STAINLESS STEEL



FLOORS GRANIT TOUCH

Agglomeration of granit glass, made using 69% recycled glass.



ABET WOOD

Expressiveness, warmth and tactile sensation of true wood in a wide range of colours and veining.

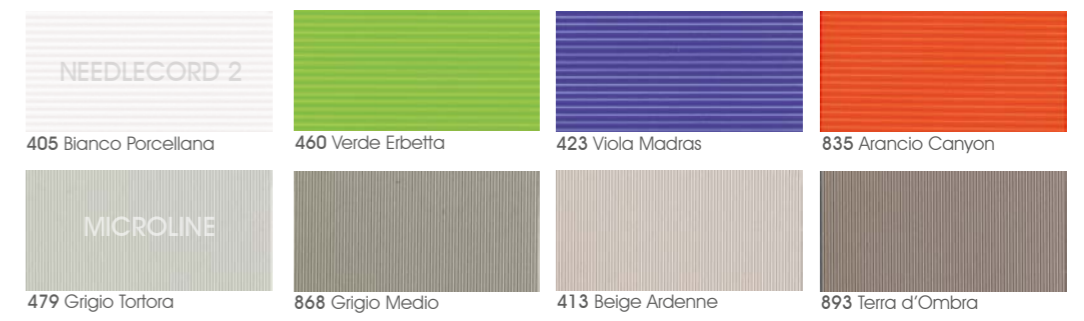


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LAMINATED PLASTIC

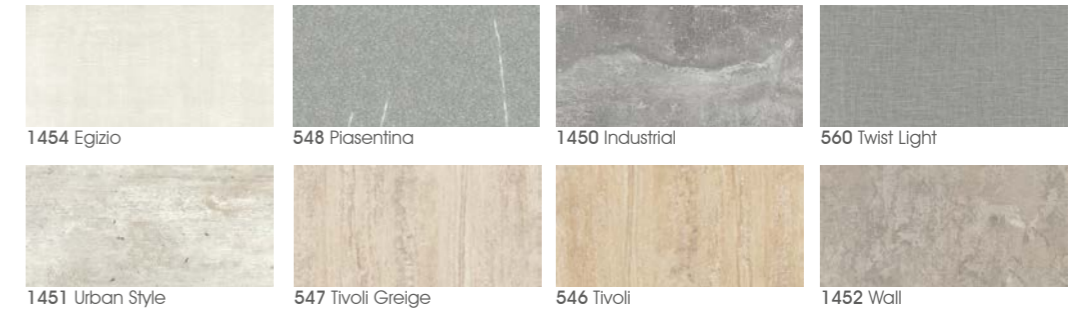
LINE

Horizontally or vertically, more than 100 colours available to offer the perfect match to any project idea.



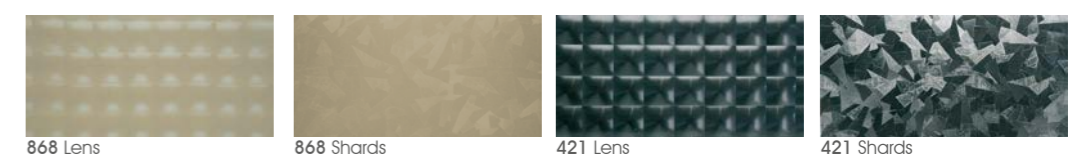
ROCKS

Matter textures and oxidized effects with decided characters.



KALEIDOS

Light facets and 3D effects giving the impression of perspectives and permanently moving spaces.

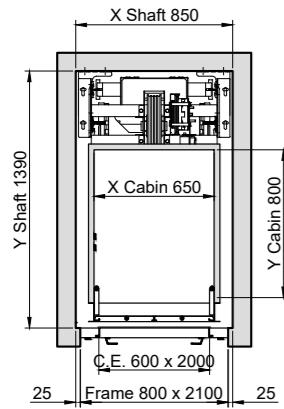


*Available all RAL Colors except pearlescent. The colors shown may not be represented correctly, for choosing the RAL color refer to official samples."

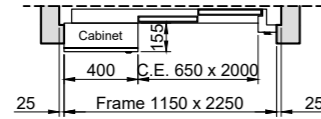
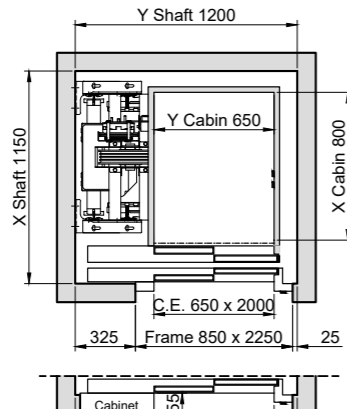
MANSORY SHAFT

180 KG - 2P

1AF



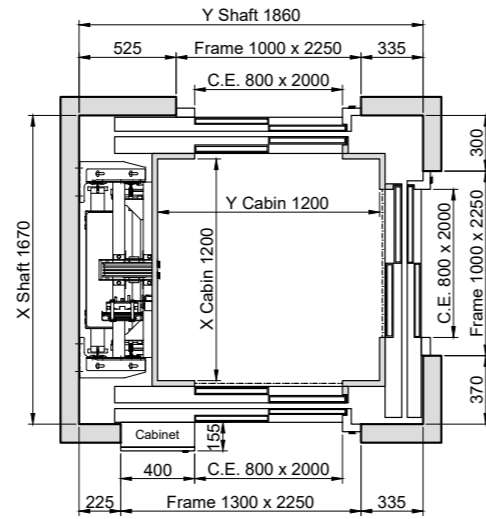
1AL



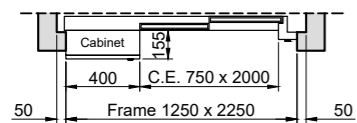
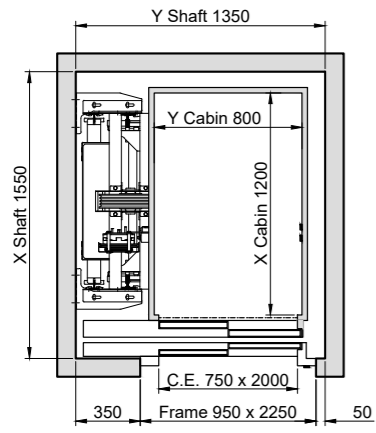
600 KG - 8P



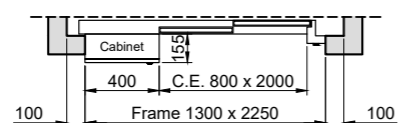
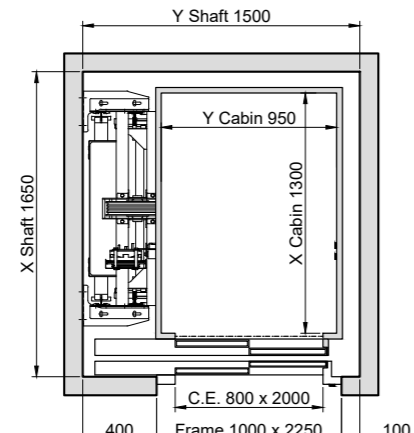
3A



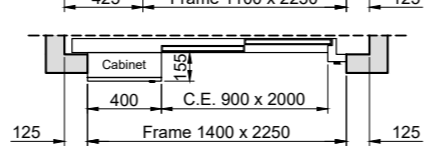
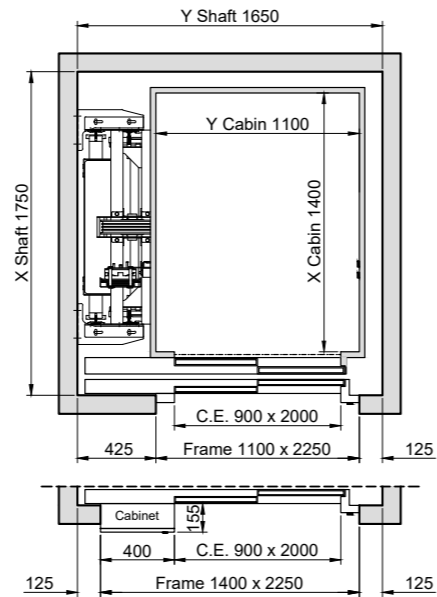
375 KG - 4P



450 KG - 6P



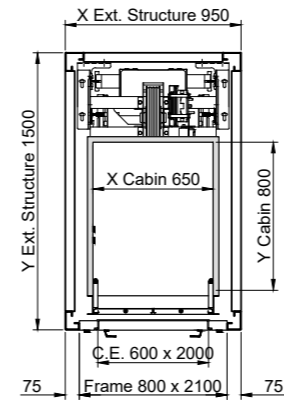
600 KG - 8P



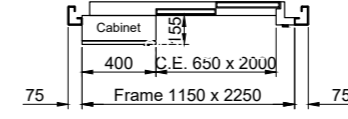
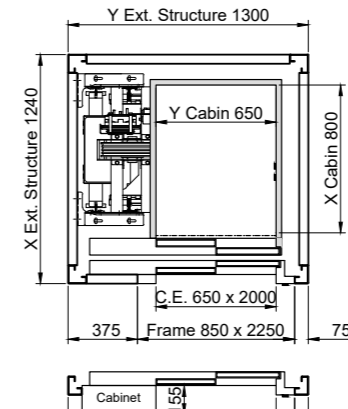
METAL STRUCTURE

180 KG - 2P

1AF



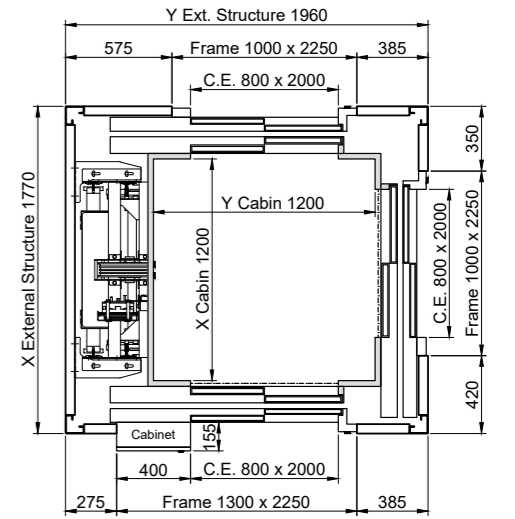
1AL



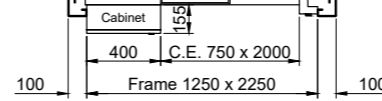
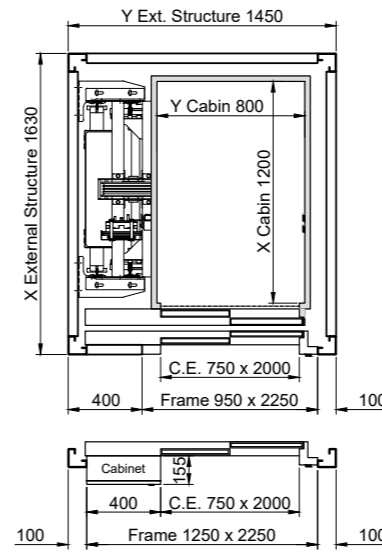
600 KG - 8P



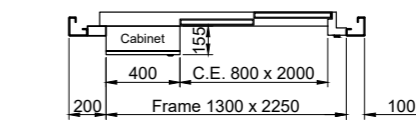
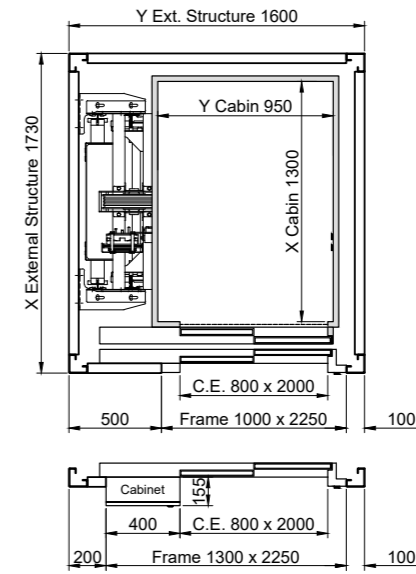
3A



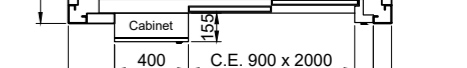
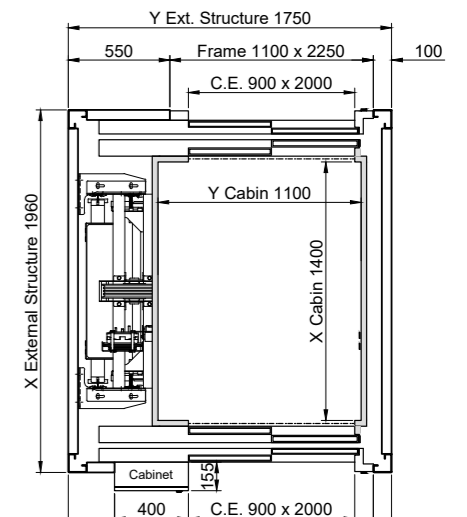
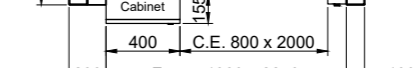
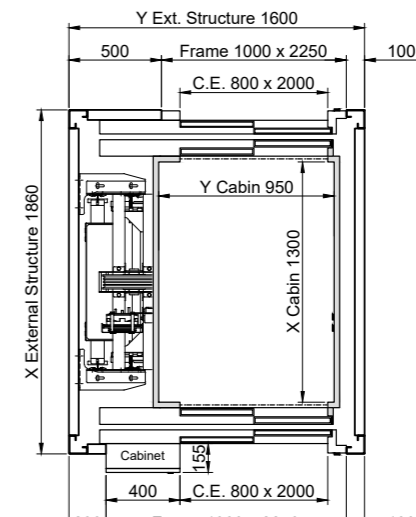
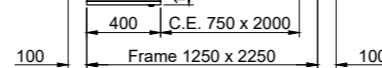
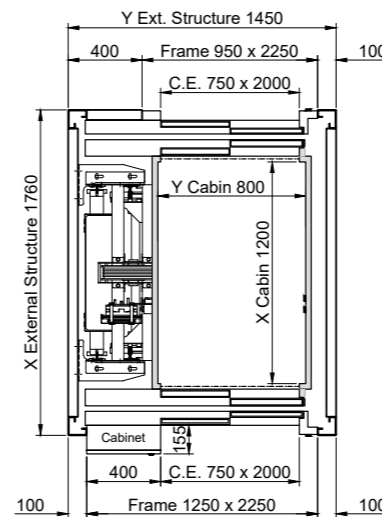
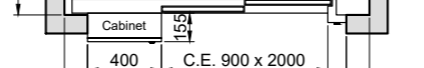
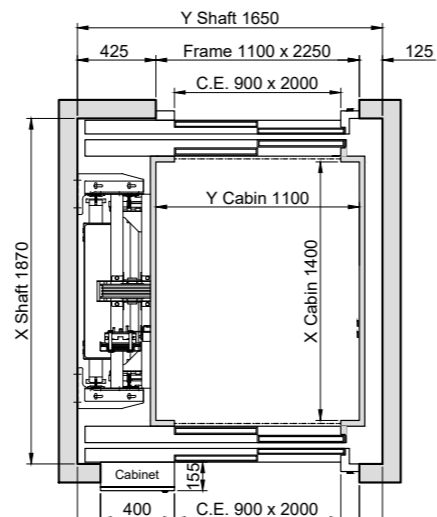
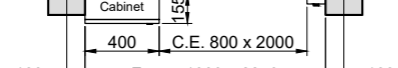
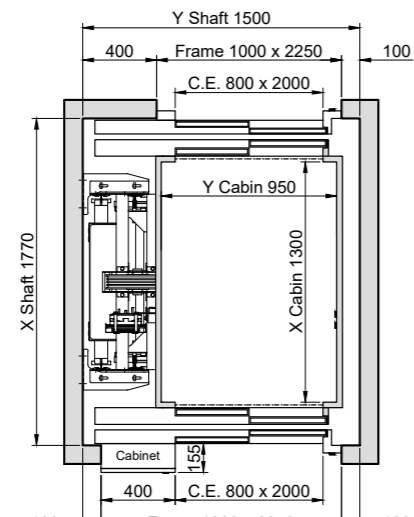
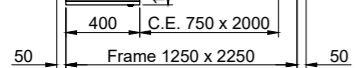
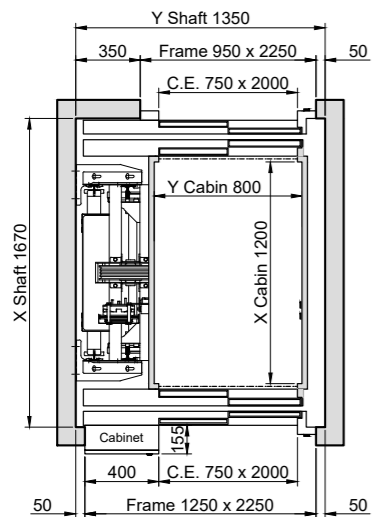
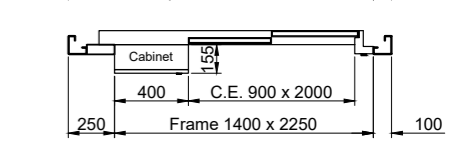
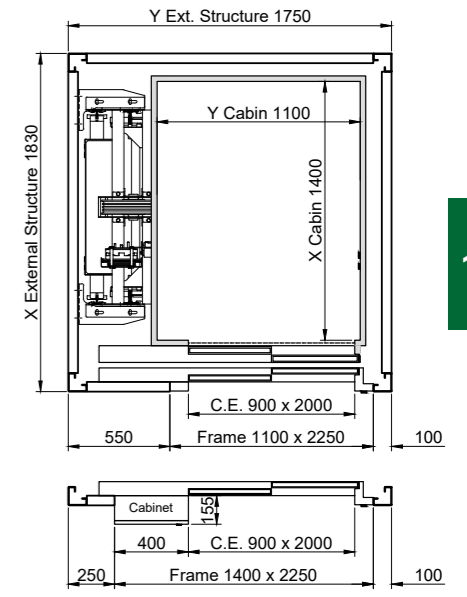
375 KG - 4P



450 KG - 6P



600 KG - 8P



1AF 1 FRONT ENTRANCE

1AL 1 SIDE ENTRANCE

2AO 2 OPPOSITE ENTRANCES

3A 3 ENTRANCES

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ELIOS



300 watt



230 V



30 RUNS
ANTI-BLACKOUT SYSTEM



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THE PRESENT
AND
THE FUTURE

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