



SODIMAS®

ascenseurs

Range

Vm

VmBe



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SODIMAS in France

Over 40 years' experience.

SODIMAS is created in 1975. Its first job concentrates on the sale of components, straight away stamping the company mark on the history of this profession by offering the sale of pre-assembled kits to facilitate the installation of lifts.



After this, other major events continued to be thought up and created by SODIMAS, changing, making safe and modernising lifts. This included integration of industrial frequency conversion, the creation of low overhead machine room less and the use of gearless traction machines. Creation, research and innovation are the lines of development enabling our customers to find the best suited solution they need and in their constraints; from the single part to the entire kit using a full range of solutions to modernise the existing installation.







Our references

Hôtel Gelendzhik - Russia



Tain l'Hermitage - France





Permanent innovation

- 1975 Sodimas, creation of the first components' distributor in France.
- 1980 SODIMAS invents the lift in kit-form.
- 1985 1st NG01 electronic controller.
- 1992 Integration of industrial frequency conversion.
- 1997 SODIMAS produces its first generation lift without a machine room.
- 1998 First patented PMD280 dual direction safety gear.
- 2003 Integration of the gearless motor across the whole range.
- 2005 Patented belt replaces cables.
- 2007 Optimisation of pre-wiring with the Quick Install system.
- 2010 Latest generation multiplexer.
- 2011 Position and speed control using SIL3 secure magnetic tape.
- 2012 First single-phase lift.
- 2013 SPEED - unique variable speed eco-energy solution.
- 2014 First 100% solar energy lift.
- 2015 VSpace lift, a concentration of know-how.
- 2016 VSpace lift without counterweight.
- 2017 Intuitive controller QItouch.



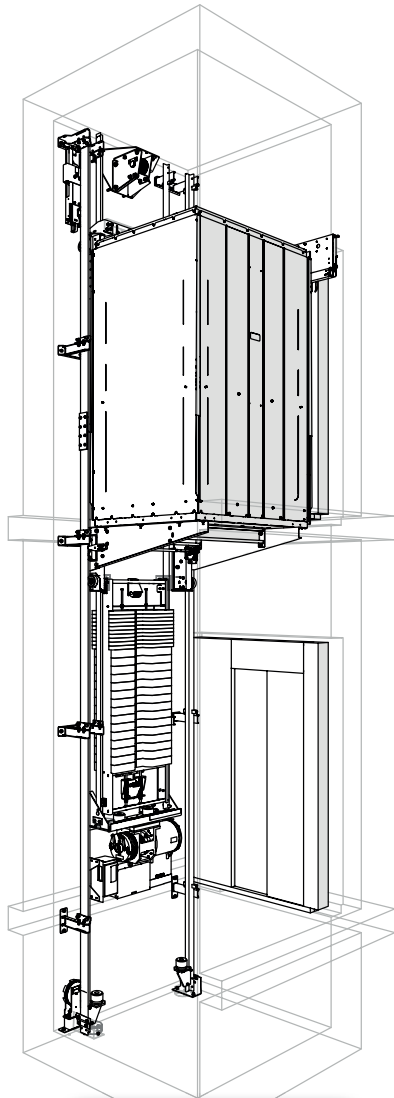


Over 40 years:

over 30,000 lifts designed
33 patents registered

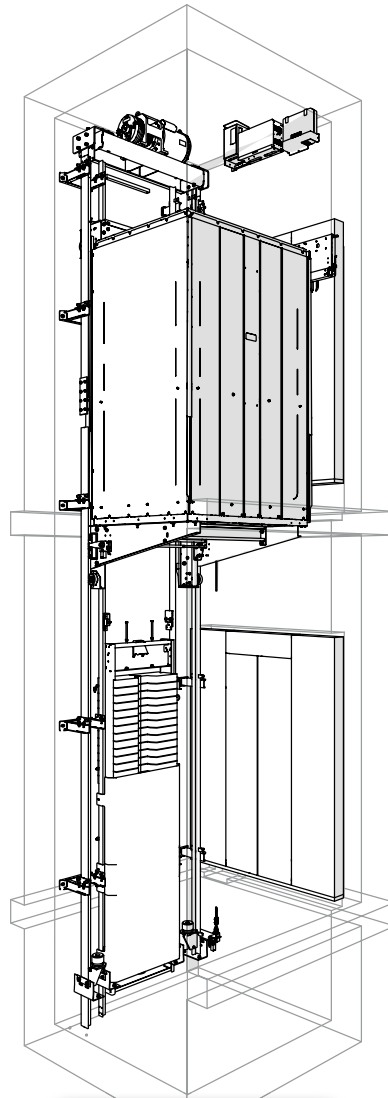


A full range of lifts adaptable at will



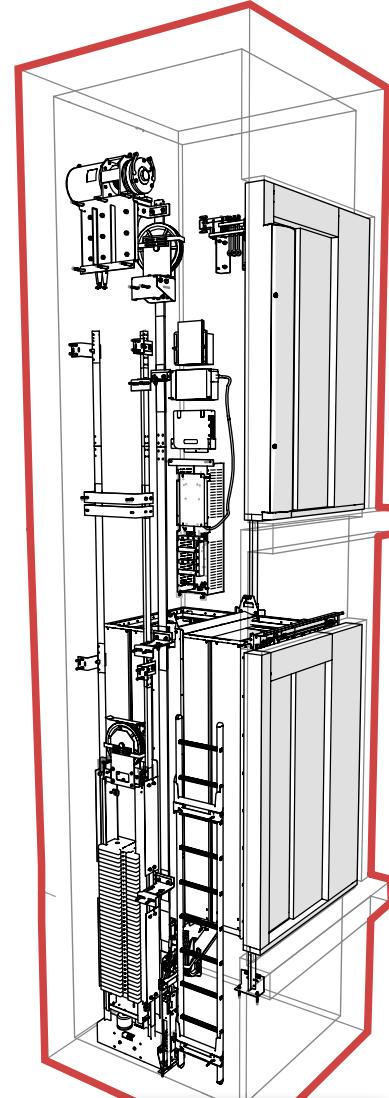
small - Médium 1
Machine below

*Homes
Offices with average height
Businesses Homelift*



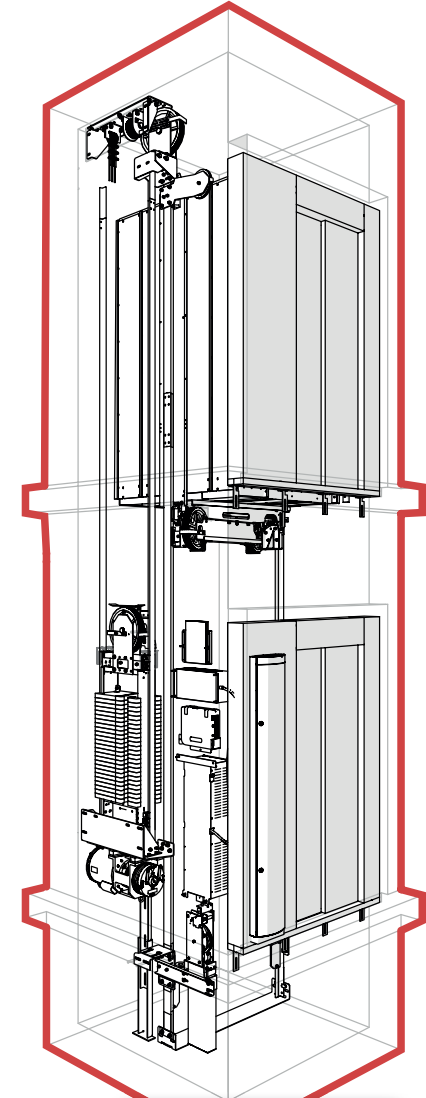
Médium 3
Machine above

*Homes
Offices with average height
Businesses*



VM
Machine above

*Prestigious buildings
Offices with high traffic
Hospitals + panoramics*



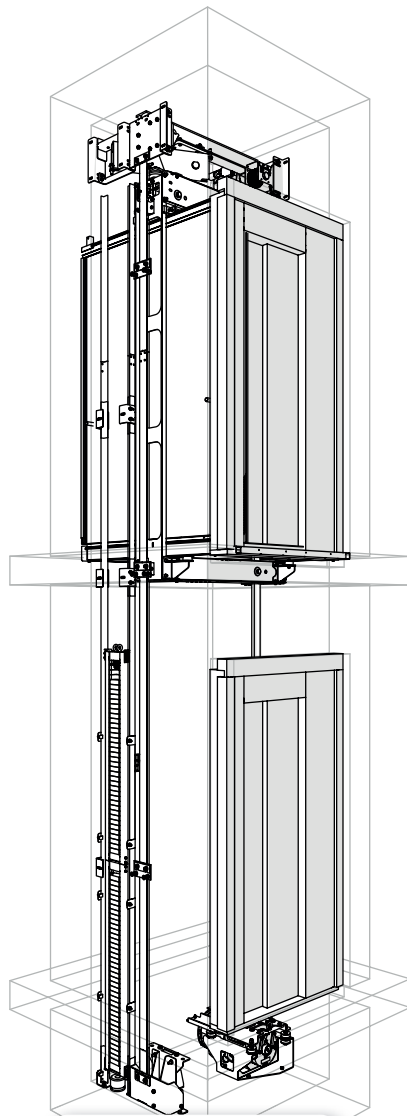
VMBe
Machine below

*Prestigious buildings
Offices with high traffic
Hospitals + panoramic*

Without machine room

For your demands of special lifts such as the lifts of load, very big load, panoramic, etc.... SODIMAS is at your disposal to conduct feasibility studies.

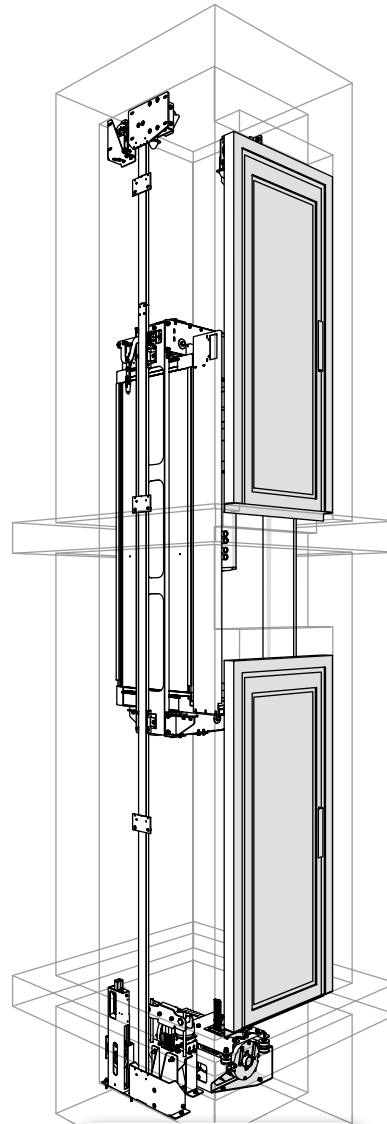
The custom-made product offer until 50 % of surface of car in more



VSpace 2

With counterweight

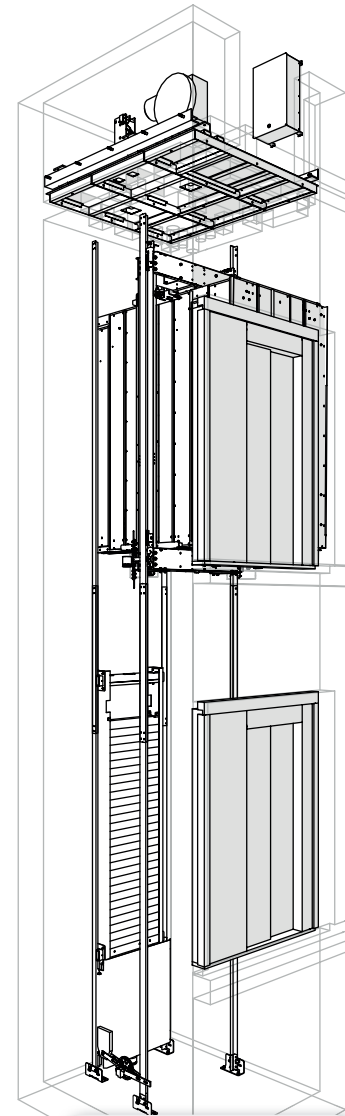
*Homes
Offices with average height
Businesses*



VSpace 1/3

Without counterweight

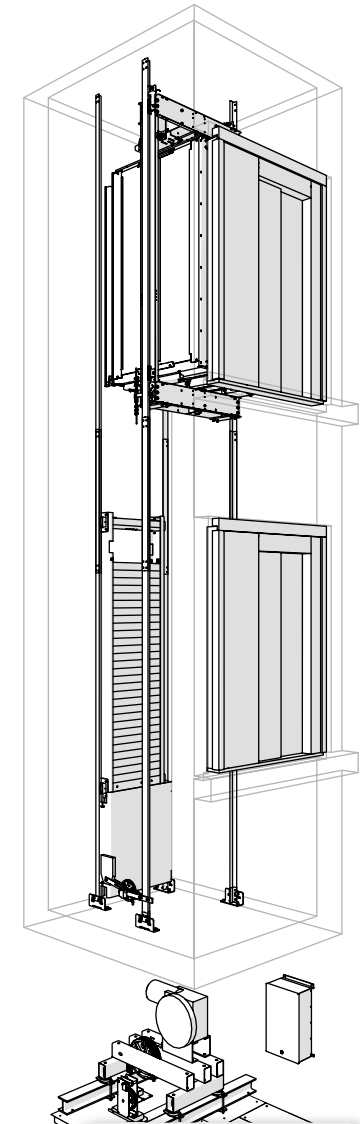
*Homes
Offices with average height
Businesses*



Eesy

Machine above

*All types of market
+ panoramic*



Eesy

Machine below

*All types of market
+ panoramic*

With or without machine room

With machine room



Eco-design at the heart of our products

Speed, invented by SODIMAS, is unique innovative patented technology based on the variable moving speed of the lift car depending on the load carried.

This technology helps to reduce energy consumption very significantly (30%), improves traffic and increases the moving speed.

By limiting the power generated, achieved by adapting the speed according to the load, the *Speed* range operates on a single-phase network for cars up to a 630 Kg payload. This is a major benefit in sizing the installation and connecting it to different renewable energy systems, such as solar energy, for example.

Already intended for operation using renewable energy, *Speed* allows free choice of the energy source used.

Speed is designed for operation on the complete range of SODIMAS devices.



Solar panels



Wind turbine



National power grid



Battery pack



Power manager system



Lift



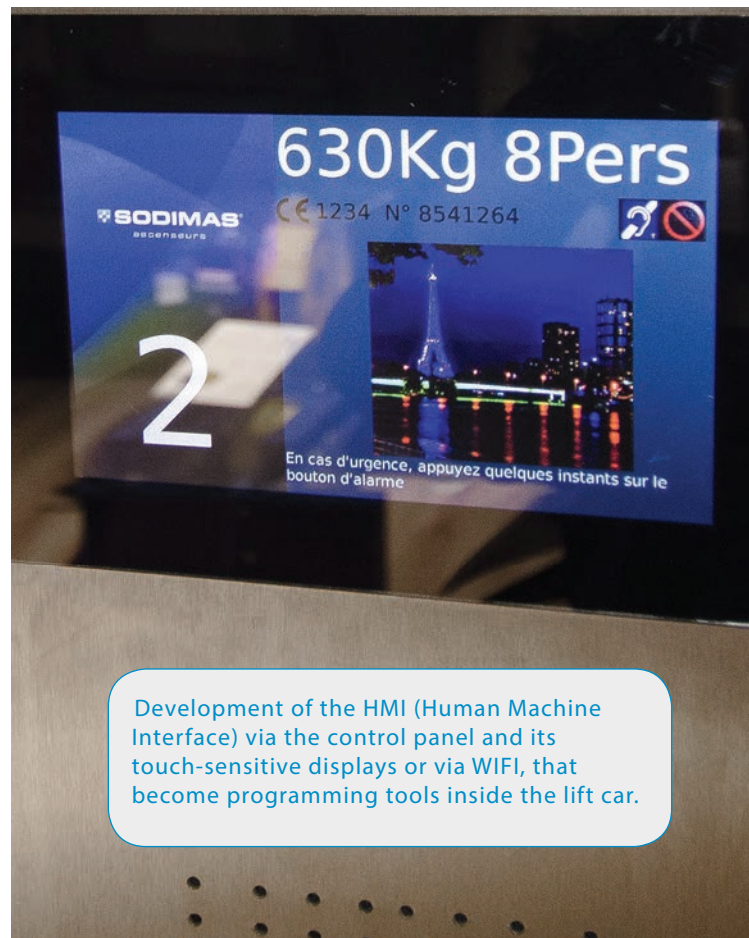


Signalling

SODIMAS set up a Research and Development department many years ago responsible for designing the most efficient and visual communication in the lift car and on the landings, making use of the lift as easy as possible for the users.

The Bluestyle range has been developed, fitted with the most recent technological innovations, to integrate latest generation colour displays.

Design, modernity and reliability are SODIMAS' fundamental development principles for answering our customers' expectations.



Development of the HMI (Human Machine Interface) via the control panel and its touch-sensitive displays or via WIFI, that become programming tools inside the lift car.



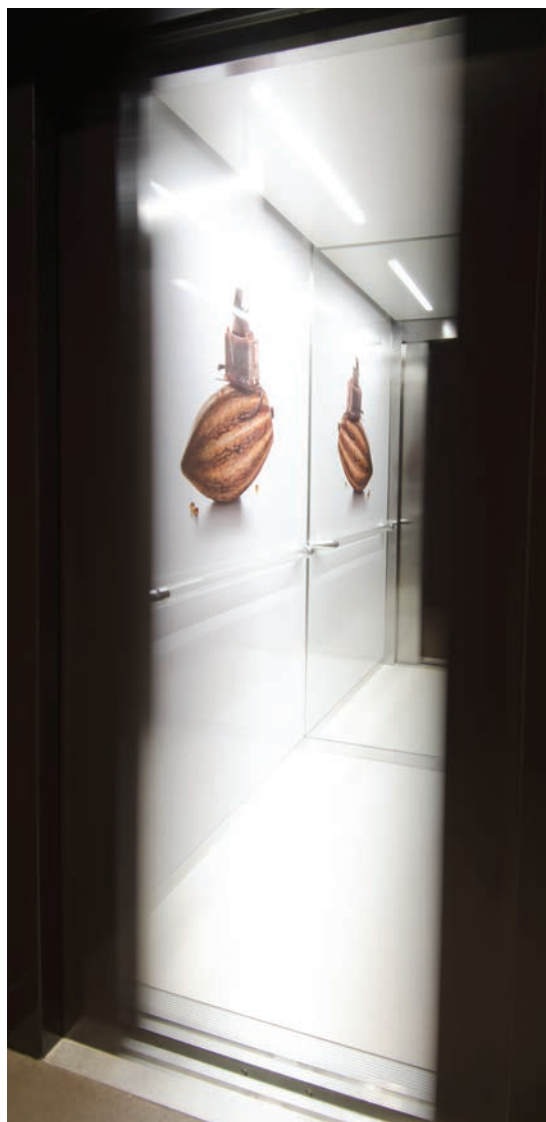




Aesthetic by SODIMAS



The SODIMAS lift cars are manufactured at our French factories and can be adapted to all architectural styles and projects due to the quality of the materials used and their carefully designed finishing.







Electrical architecture

QItouch is concentrated technology based on a microprocessor that combines power and processing speed with a real time processing system. Communication with lifts equipped with QItouch is provided via an universal mobile tool that uses the ZigBee secure transmission standard. QItouch is now equipped with the SIL3 SoLIMAX secure system that controls all the functions relating to positioning.





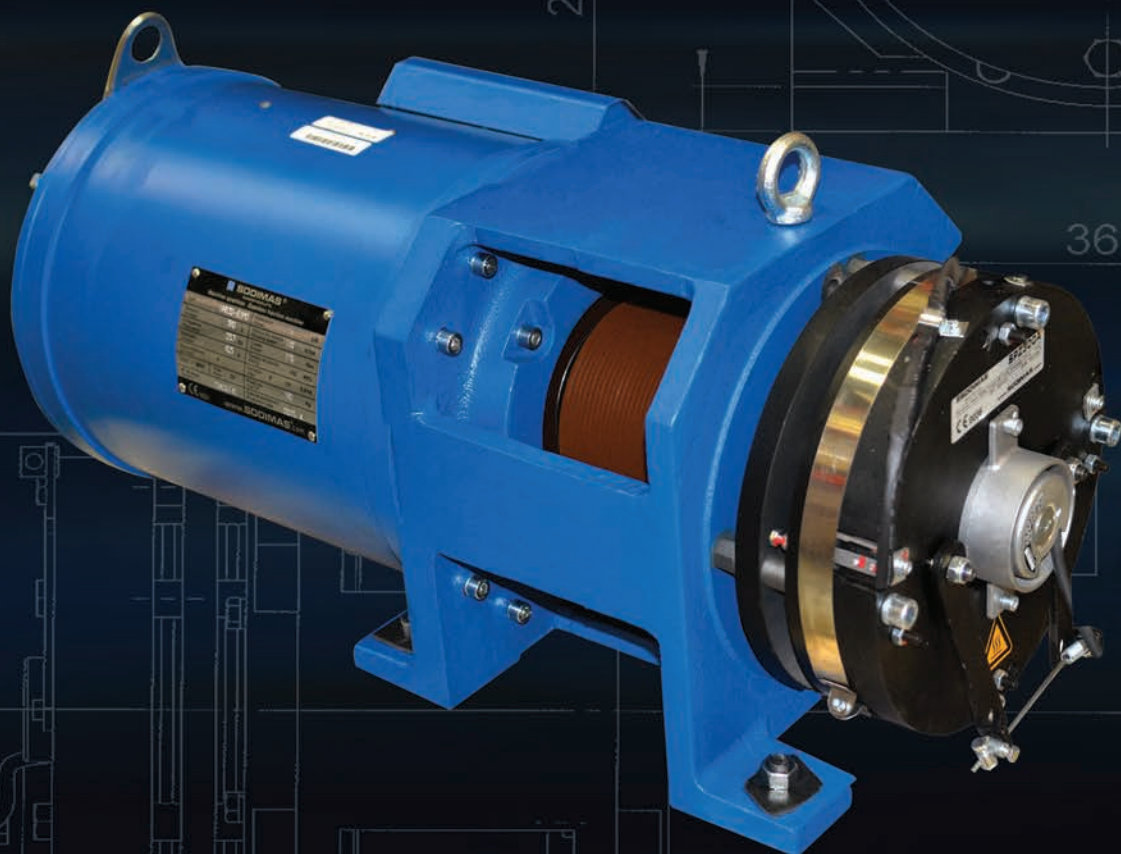
Motor

Latest generation motor

developed and manufactured specially for Sodimas, in collaboration with the world leader who supplies all the machines from our machine room less lifts range.

The Medium, VM and Vspace devices are equipped with Gearless machine that operates without oil and whose acoustic performance is recognized as being the best on the market.

The concept developed by Sodimas on machine room less products, such as the VM, is based on the separation of the traction (closed loop belt) and the suspension of the lift car using cables. This concept is particularly well suited to this type of machine.





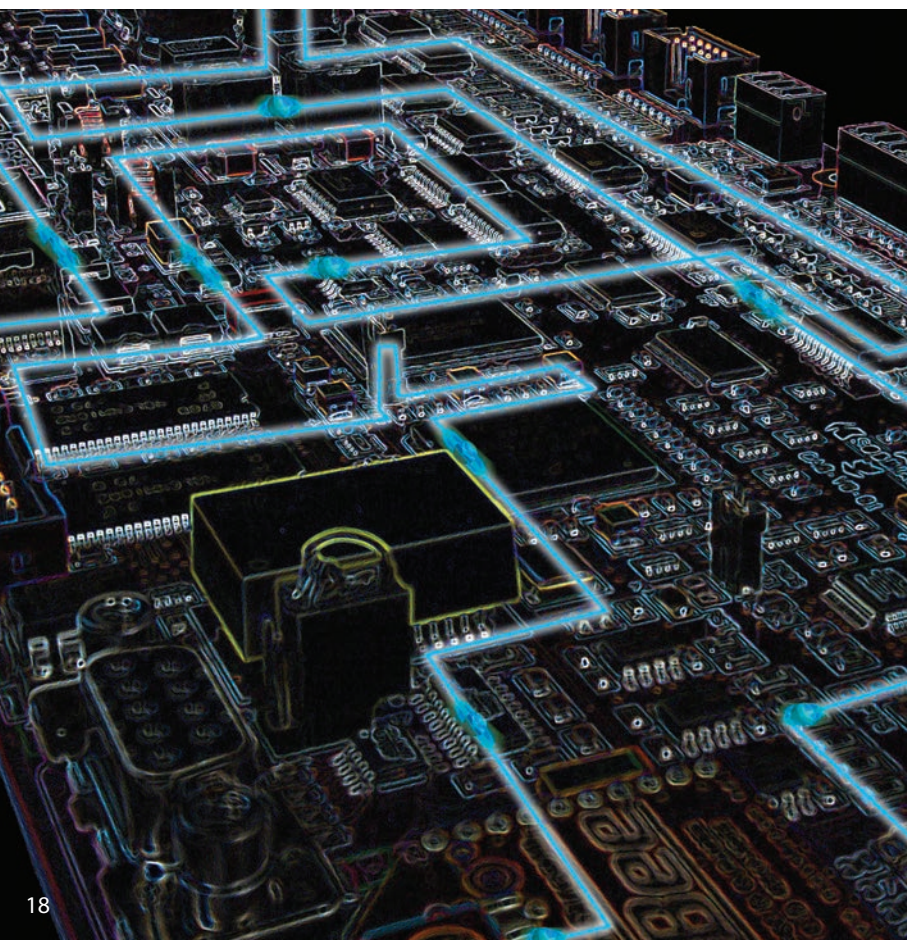
SOLIMAX: travel made safe

SODIMAS has not stopped innovating every since the company was created, seeking to improve the safety of its products and facilitate their installation and maintenance.

SODIMAS has produced another innovation with its new SoLIMAX sensor that enables accurate and secure data to be provided on lift car speeds and positions.

With the SoLIMAX solution, certified by the TÜV, the SIL3 secure position sensor enables the following functions to be integrated and controlled independently:

- the position of the extreme limits of travel, inspection, control of deceleration
- the creep area defined in amendment A3
- the levelling and early opening zone
- the speed and overspeed control
- the absolute position of the car to an accuracy of 2mm
- the safeguard position after a power cut.





Users under 24-hour protection

Total compliance with the latest standard, EN 81-28, our lifts are on-line 24 hours a day using autonomous and secure technology.

Hands-free triphone remote alarm



In-car audio microphone + speaker unit module



GSM module to replace a wired telephone line (Pstn)



Acoustic loop amplifier with roof antenna



Two-way communication, optional GSM modules, compatible call units, easy-install inductive loop audio modules and amplifiers, the SODIMAS remote alarm meets all the regulatory and standard requirements.



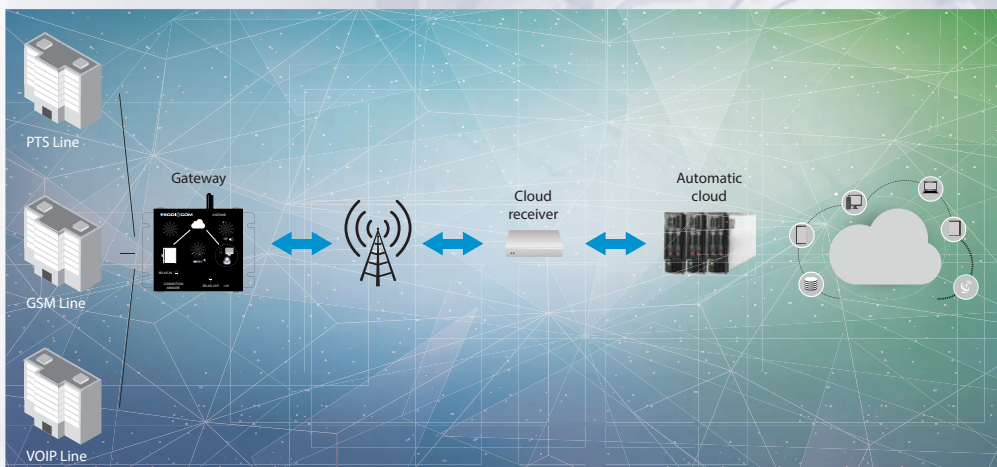


Sodi@com technology

Dedicated to the smart lift, the **Sodi@com** technology offers maintenance personnel PC, tablet or smartphone access via the cloud using the unit's telephone line. Easy to use and compatible with all existing lift types, it provides functions including calling, destination floor programming, privatisation of selected levels or removal of remote access permissions from an off-site location.

Analysing data in real time to anticipate outages, performing diagnostics, collecting statistics, minimise out-of-order time or alerting a maintenance provider with a single click is now a reality.

Sodi@com digital intelligence will offer functions adaptable to specific client and user requirements.





Accessibility

Today, 20% of the population are over 60 years and this proportion will reach 30% in 2030.

Accessibility will be soon at the heart of the concerns for citizens (mobility, independence assistance for the frail elderly, fight against dependency, etc.).

The lift is a tool for accessibility to the elderly and people with reduced mobility; so plan and prepare right now for our future with **Vm and VmBe**

Our ambitions

The Vm range

- To offer a full range of products which meets the requirements for luxury buildings, hotels and shopping malls.
- Offer a wide range of different speeds and loads which can reach a load of 2500kg up to speeds of 1,6m/s.
- Reaching the most innovative technologies such as the technology Speed capable of reducing the energy consumption up to 30% and to increase the traffic by more than 30% in comparison to an elevator of equivalent characteristics.
- Able to choose motor configurations, machine above (Vm M) or machine below (VmBe) according to the construction of the building.





Access to the floor

The VM range

Traction and suspension are provided by a flat belt made of polyurethane.

Installed at each end, the traction motor of the Vm / VmBe and idler pulley form a closed loop connecting the car and the counterweight on each side.

For the Vm / VmBe, the traction motor is above or below making with the belt an open loop connecting the car and the counterweight on each side.

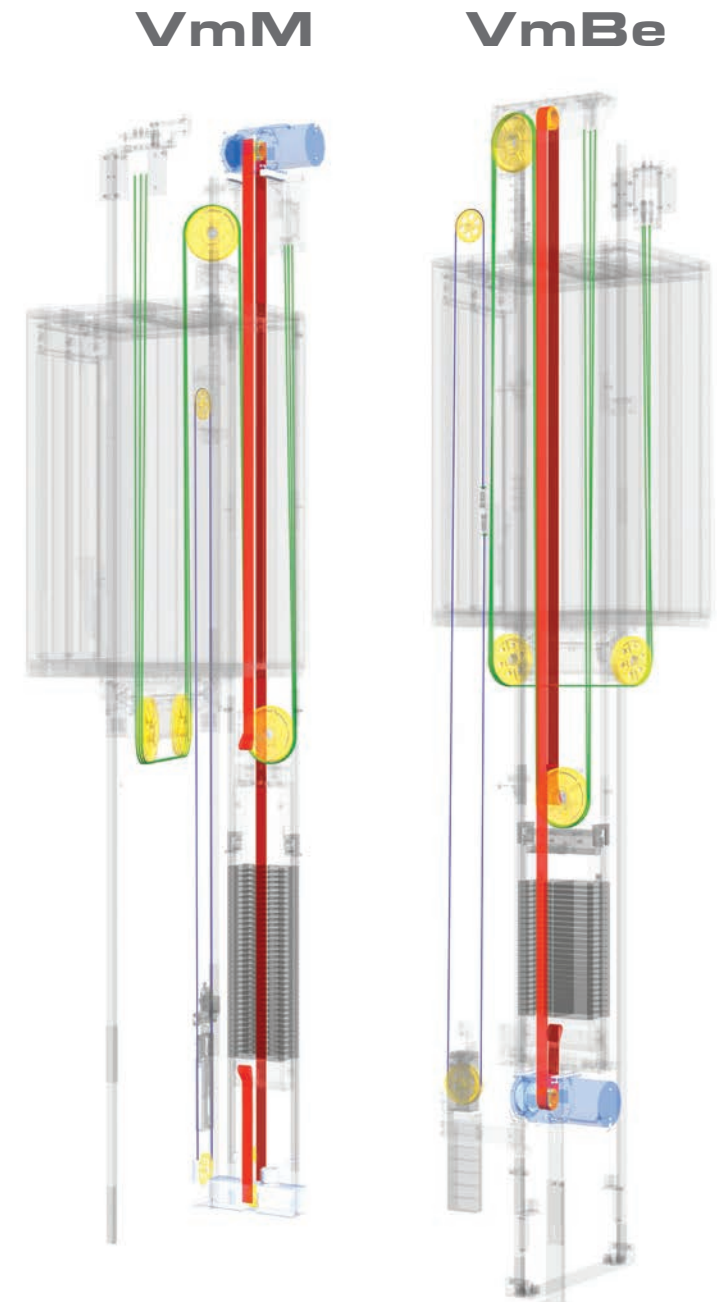
The lift is outfitted with a gearless motor that requires no added oil or grease and no special maintenance, offering optimised efficiency and improved car comfort. Controlled by a variable speed drive, the product line offers energy savings of almost 50% compared to equivalent conventional systems. Most importantly, it is outfitted with an open technology controller, so that its maintenance can be performed by any maintenance company in this line of business.

This energy-efficient product line provides many innovative features that further reduce energy consumption.

This includes automatic switching of the landing signalling and car lighting systems into standby mode when the lift is idle or stopped, switching certain controller functions into standby mode and many other features. These functions restart immediately.

The entire product line is:

- Compliant with the Lifts Directive 2014/33/EU
- Compliant with the new harmonised standards EN 81-20 & EN 81-50 / EN 81-21
- Certified by the APAVE certification body.



The belt represented here, tows the counterweight and not the car, what allows to separate the functions of traction and load for a better comfort in car.



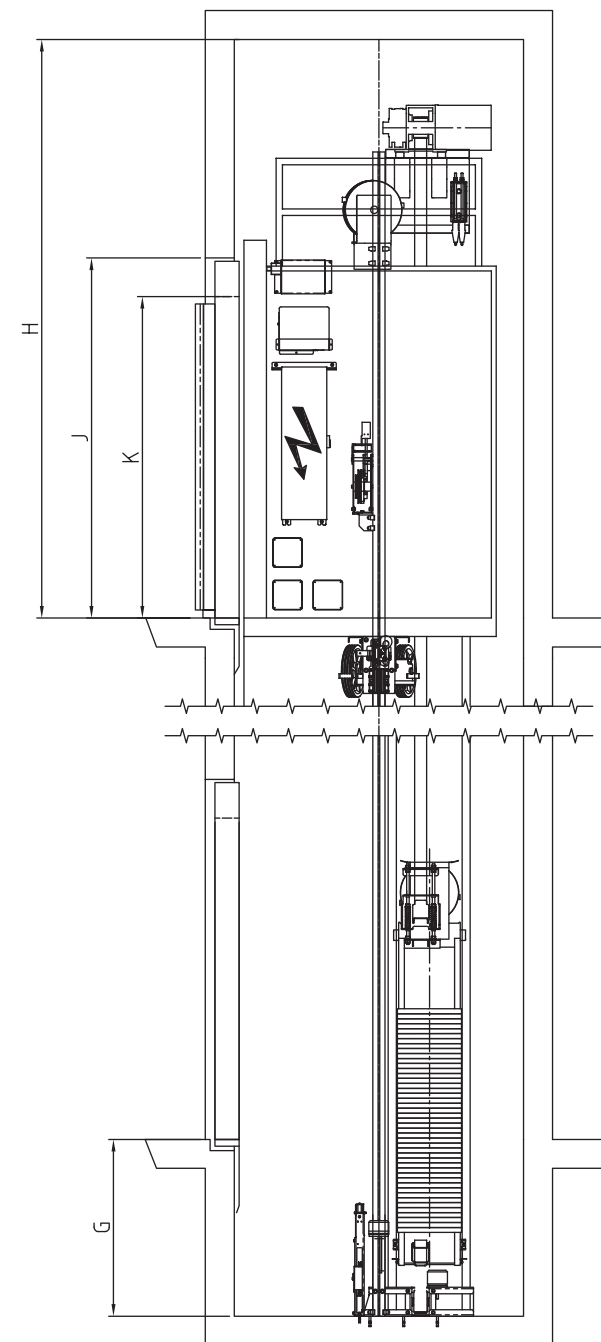
Vm M



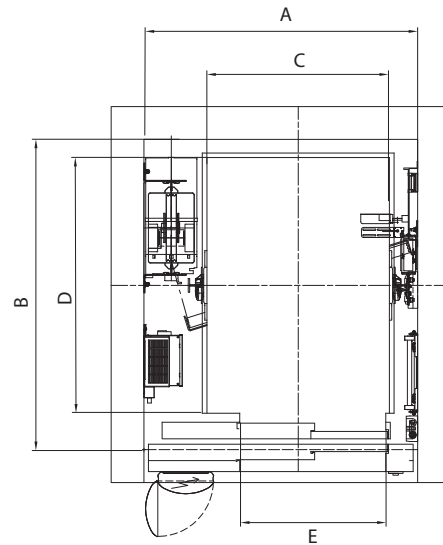
Characteristics

Vm M (machine above)

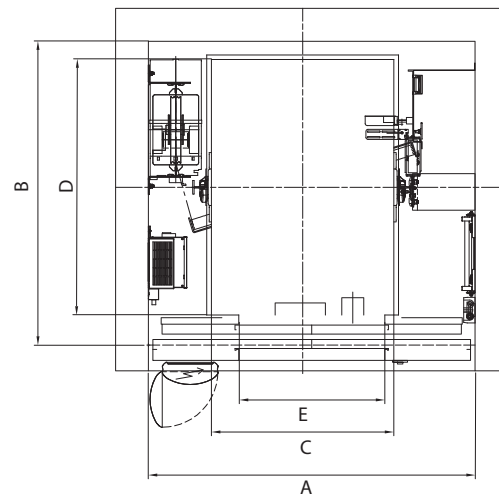
Rated load	From 450 to 1275 Kg
Number of passengers	From 5 to 17
Speed	1 or 1,6 m/s
Maximum rise	46 meters
Traction	1/1 belt
Number of levels	10 max
Car dimensions	Standard or custom-made
Power supply	Three-phases 400 V
Motor	Gearless
Position of the machinery	Without machineroom (Machine above)
Minimum height headroom	2 700 mm minimum according to configuration
Minimum pit depth	650 mm minimum in existing building 1100 mm minimum in new building
Landing doors	Central or telescopic doors
Clearance height	2 000 mm minimum
Clearance	700 mm minimum
Number of service sides	1 or 2 opposite sides
Door finishing	Primer paint applied, stainless steel
Control system	QItouch controller outside the shaft to the last level
Selection	SoLIMAX or Limax



Simple access - Telescopic door



Simple access - Central door



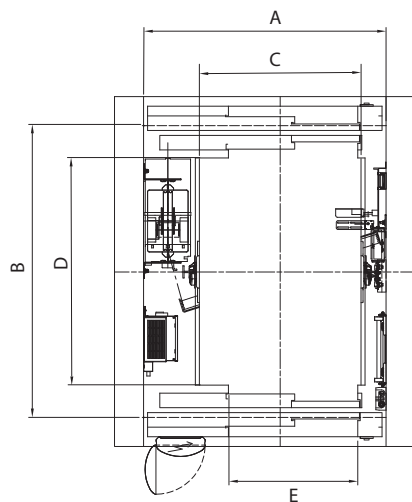
	450 kg	630 kg	1000 kg	1275 kg
G	1100	1100	1250	1400
H	3600	3300	3300	3300
J	2240	2240	2240	2240
K	2000	2000	2000	2000

If K = 2100 --> J + 100

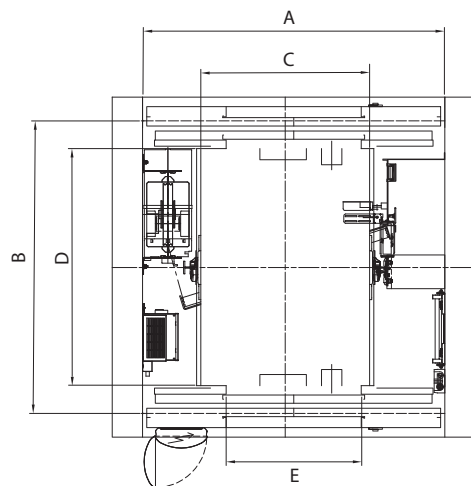
		450 kg 6 pers.	630 kg 8 pers.	1000 kg 13 pers.	1275 kg 17 pers.
Shaft	A	1500	1600	1600	1950
	B	1550	1700	2100	2600
Car	C	1000	1100	1100	1250
	D	1250	1400	2100	2300
Clear opening	E	800	900	900	1100

		450 kg 6 pers.	630 kg 8 pers.	1000 kg 13 pers.	1275 kg 17 pers.
Shaft	A	1800	1950	1950	2350
	B	1550	1700	2400	2600
Car	C	1000	1100	1100	1250
	D	1250	1400	2100	2300
Clear opening	E	800	900	900	1100

Double access - Telescopic door



Double access - Central door



	450 kg	630 kg	1000 kg	1275 kg
G	1100	1100	1250	1400
H	3600	3300	3300	3300
J	2240	2240	2240	2240
K	2000	2000	2000	2000

If K = 2100 --> J + 100

		450 kg 6 pers.	630 kg 8 pers.	1000 kg 13 pers.	1275 kg 17 pers.
Shaft	A	1500	1600	1600	1950
	B	1650	1800	2500	2700
Car	C	1000	1100	1100	1250
	D	1250	1400	2100	2300
Clear opening	E	800	900	900	1100

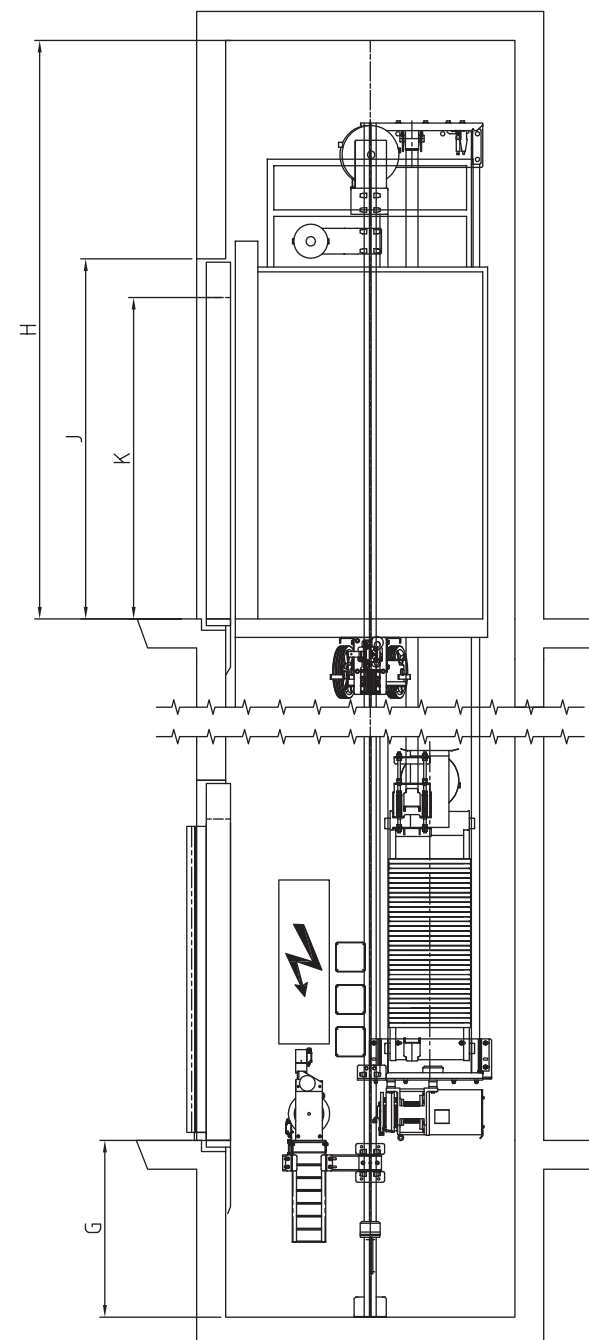
		450 kg 6 pers.	630 kg 8 pers.	1000 kg 13 pers.	1275 kg 17 pers.
Shaft	A	1800	1950	1950	2350
	B	1650	1800	2500	2700
Car	C	1000	1100	1100	1250
	D	1250	1400	2100	2300
Clear opening	E	800	900	900	1100

VmBe

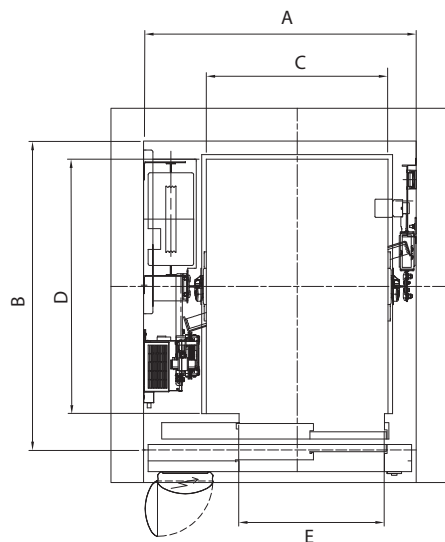


VmBe (machine below)

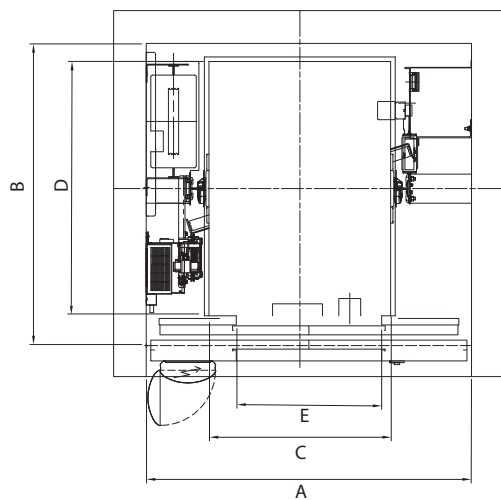
Rated load	From 400 to 2500 Kg
Number of passengers	From 5 to 26
Speed	1 / 1,6 / Speed technology from 0,7 to 1,6m/s
Maximum rise	46 meters
Traction	1/1 belt
Number of levels	10 max
Car dimensions	Standard or custom-made
Power supply	Three-phases 400 V
Motor	Gearless
Position of the machinery	Without machineroom (machine below)
Minimum height headroom	2 600 mm mini for a car height 2 050 mm
Minimum pit depth	650 mm minimum in existing building 1100 mm minimum in new building
Landing doors	Central or telescopic doors
Clearance height	2 000 mm minimum
Clearance	700 mm minimum
Number of service sides	1 or 2 opposite sides
Door finishing	Primer paint applied, stainless steel
Control system	QItouch controller outside the shaft at the lowest level
Selection	SoLIMAX or Limax



Simple access - Telescopic door



Simple access - Central door



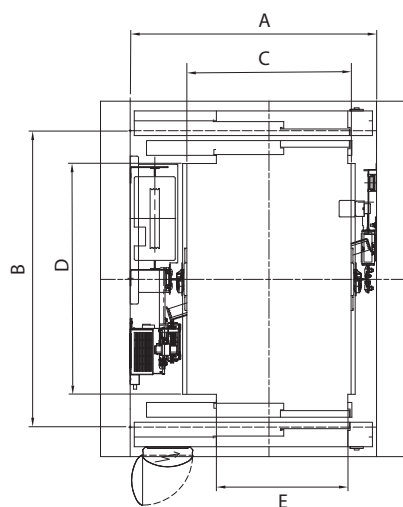
	400/450/630 kg	1000 kg	1275 kg	1600 kg	2000 kg	2500 kg
G	1100	1200	1200	1400	1400	1400
H	2600/3300	3300	3300	3700	3700	3700
J	2240	2240	2240	2240	2240	2240
K	2000	2000	2000	2000	2000	2000

If K = 2100 --> J + 100

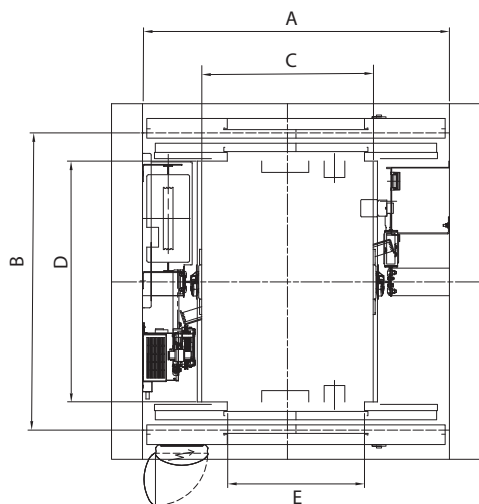
		400 kg	450 kg	630 kg	1000 kg	1275 kg	1600 kg	2000 kg	2500 kg
Shaft	A	1500	1500	1600	1600	1950	2250	2250	2550
	B	1500	1550	1700	2400	2600	2700	3000	3000
Car	C	1000	1000	1100	1100	1250	1400	1500	1800
	D	1100	1250	1400	2100	2300	2400	2700	2700
Clear opening	E	800	800	800 900	900	1100	1300	1300	1400

		450 kg	630 kg	1000 kg	1275 kg	1600 kg	2000 kg	2500 kg
Shaft	A	1800	1800	1950	2350	2260	2260	2550
	B	1550	1700	2400	2600	2700	3000	3000
Car	C	1000	1100	1100	1250	1400	1500	1800
	D	1250	1400	2100	2300	2400	2700	2700
Clear opening	E	800	800	900	1100	1300 (4 panels)	1300 (4 panels)	1500 (4 panels)

Double access - Telescopic door



Double access - Central door



	400/450/630 kg	1000 kg	1275 kg	1600 kg	2000 kg	2500 kg
G	1100	1200	1200	1400	1400	1400
H	2600/3300	3300	3300	3700	3700	3700
J	2240	2240	2240	2240	2240	2240
K	2000	2000	2000	2000	2000	2000

If K = 2100 --> J + 100

		450 kg	630 kg	1000 kg	1275 kg	1600 kg	2000 kg	2500 kg
Shaft	A	1500	1600	1600	1950	2250	2250	2650
	B	1650	1800	2500	2700	2800	3100	3100
Car	C	1000	1100	1100	1250	1400	1500	1800
	D	1250	1400	2100	2300	2400	2700	2700
Clear opening	E	800	800 900	900	1100	1300	1300	1400

		450 kg	630 kg	1000 kg	1275 kg	1600 kg	2000 kg	2500 kg
Shaft	A	1800	1800	1950	2350	2260	2260	2550
	B	1650	1750	2450	2650	2800	3100	3100
Car	C	1000	1100	1100	1250	1400	1500	1800
	D	1250	1400	2100	2300	2400	2700	2700
Clear opening	E	800	800	900	1100	1300 (4 panels)	1300 (4 panels)	1500 (4 panels)

Head quarters

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Fabrication Française



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