



SODIMAS[®]

ascenseurs

Range

Vm

VmBe



Contents

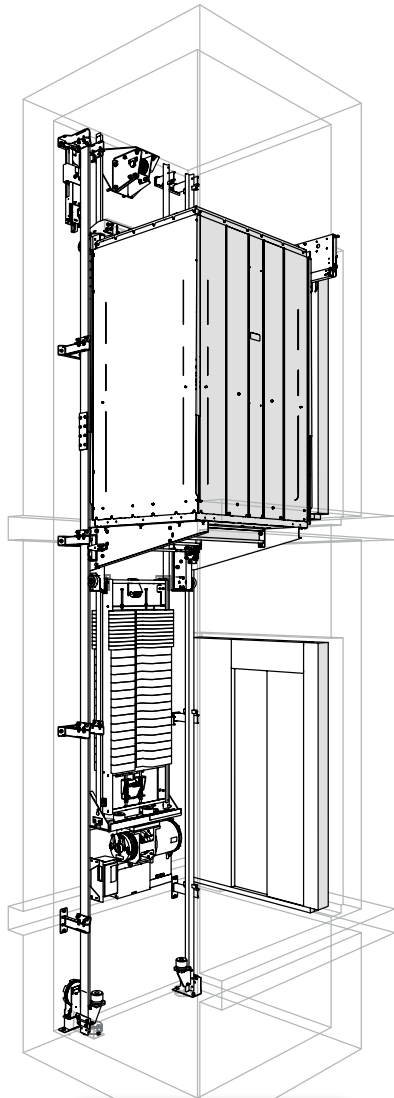
VM

- 2 A full range of lifts adaptable at will
- 4 The **Vm** range
- 6 Lift car features and dimensions **Vm**
- 10 Lift car features and dimensions **VmBe**



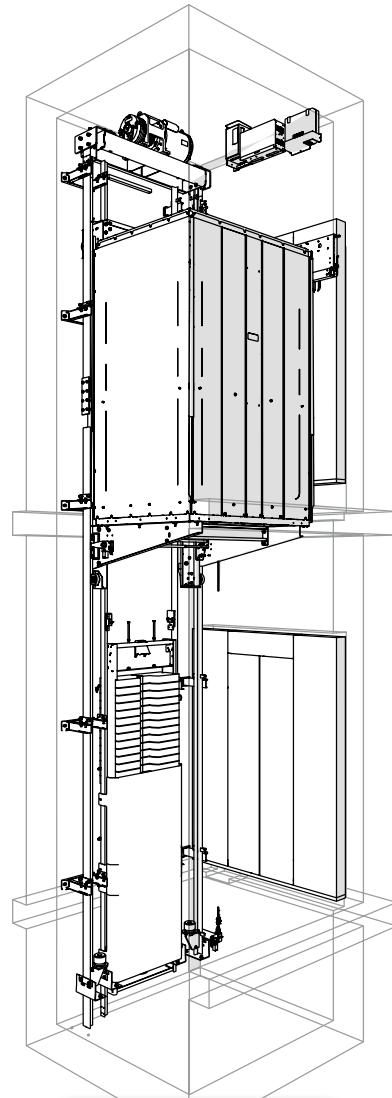


A full range of lifts adaptable at will



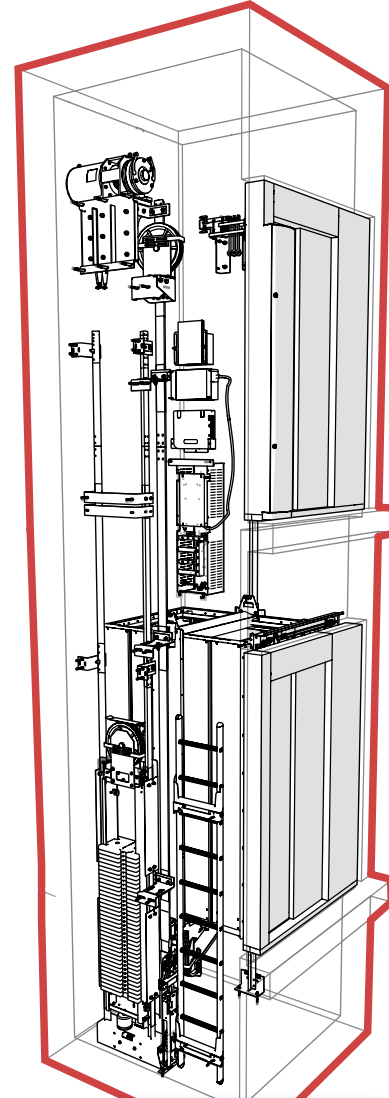
small - Médium 1
Machine below

Homes
Offices with average height
Businesses Homelift



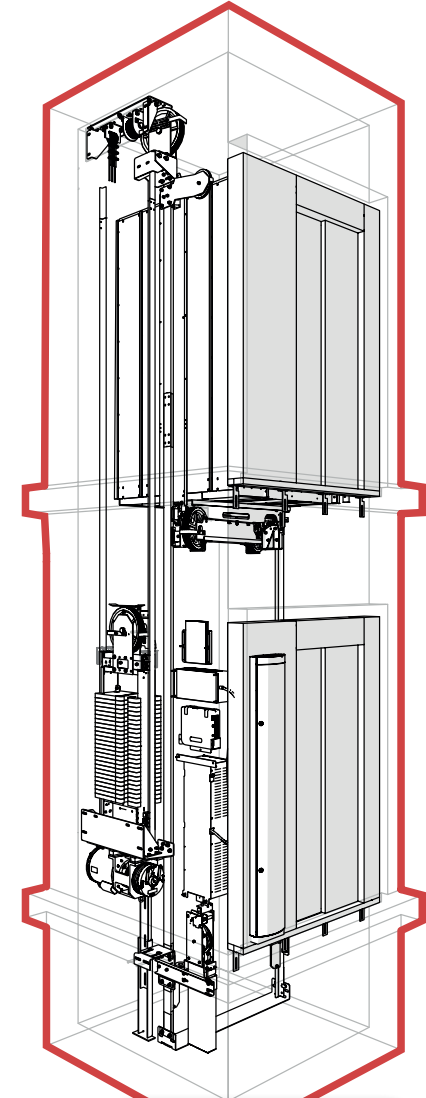
Médium 3
Machine above

Homes
Offices with average height
Businesses



VM
Machine above

Prestigious buildings
Offices with high traffic
Hospitals + panoramics



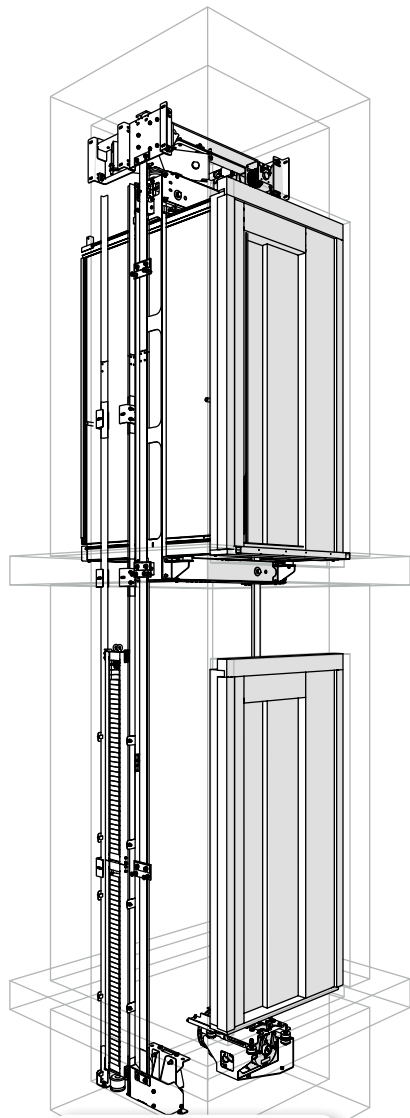
VMBe
Machine below

Prestigious buildings
Offices with high traffic
Hospitals + panoramic

Without machine room

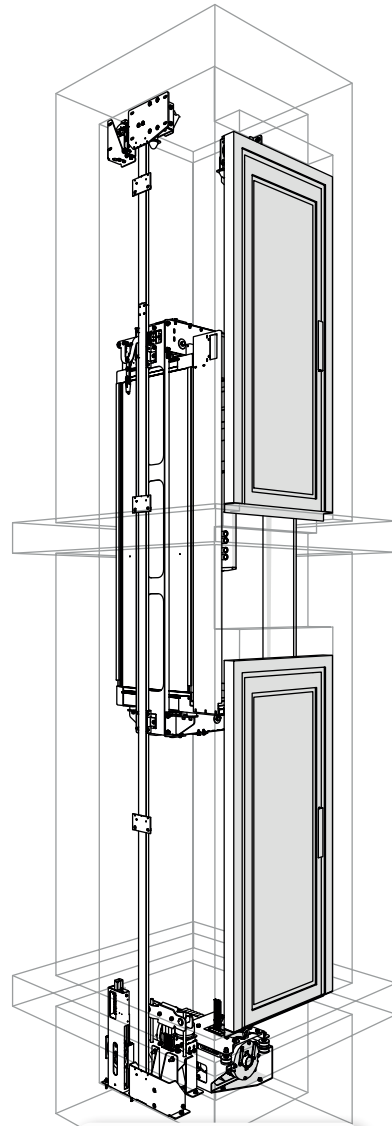
For your demands of special lifts such as the lifts of load, very big load, panoramic, etc.... SODIMAS is at your disposal to conduct feasibility studies.

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



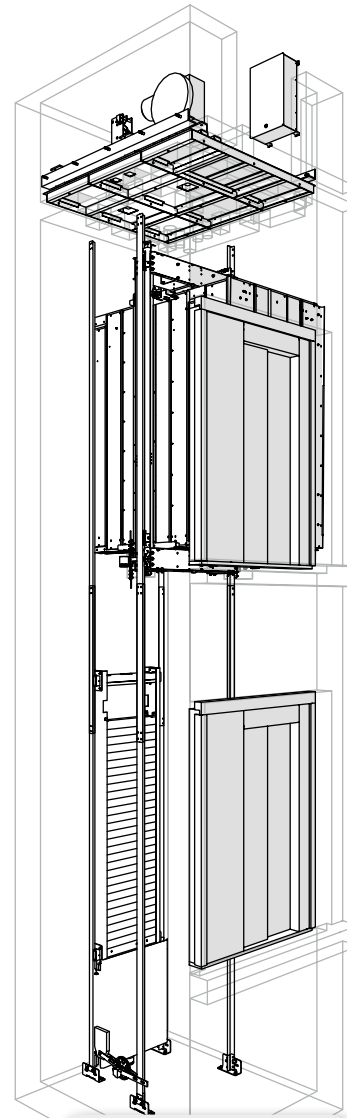
VSpace 2
With counterweight

Homes
Offices with average height
Businesses



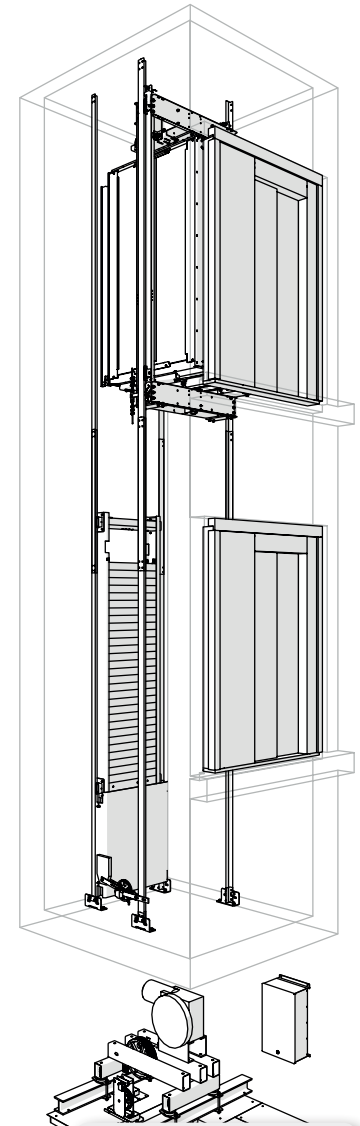
VSpace 1/3
Without counterweight

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

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.

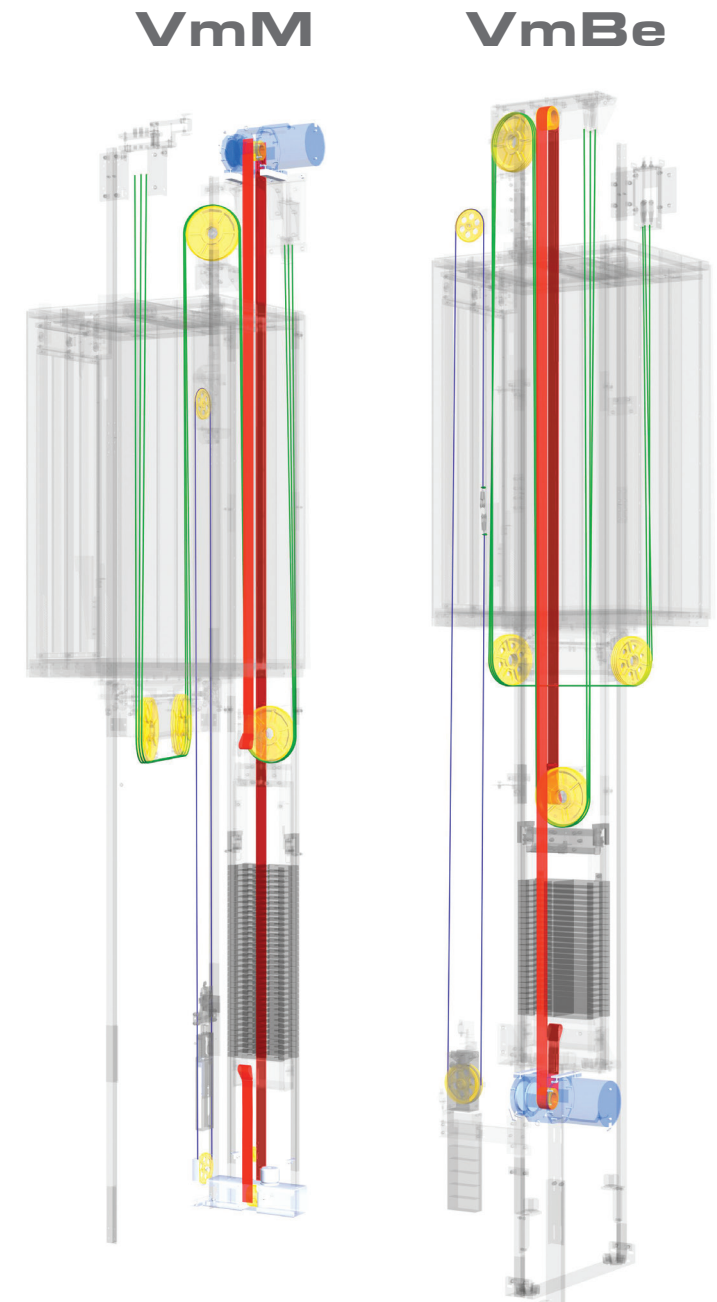
The lift is outfitted with a gearless motor that requires no added oil or grease and no special maintenance, offering optimised efficiency and improved car comfort. Controlled by a variable speed drive, the product line offers energy savings of almost 50% compared to equivalent conventional systems. 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 training and load for a better comfort in car.



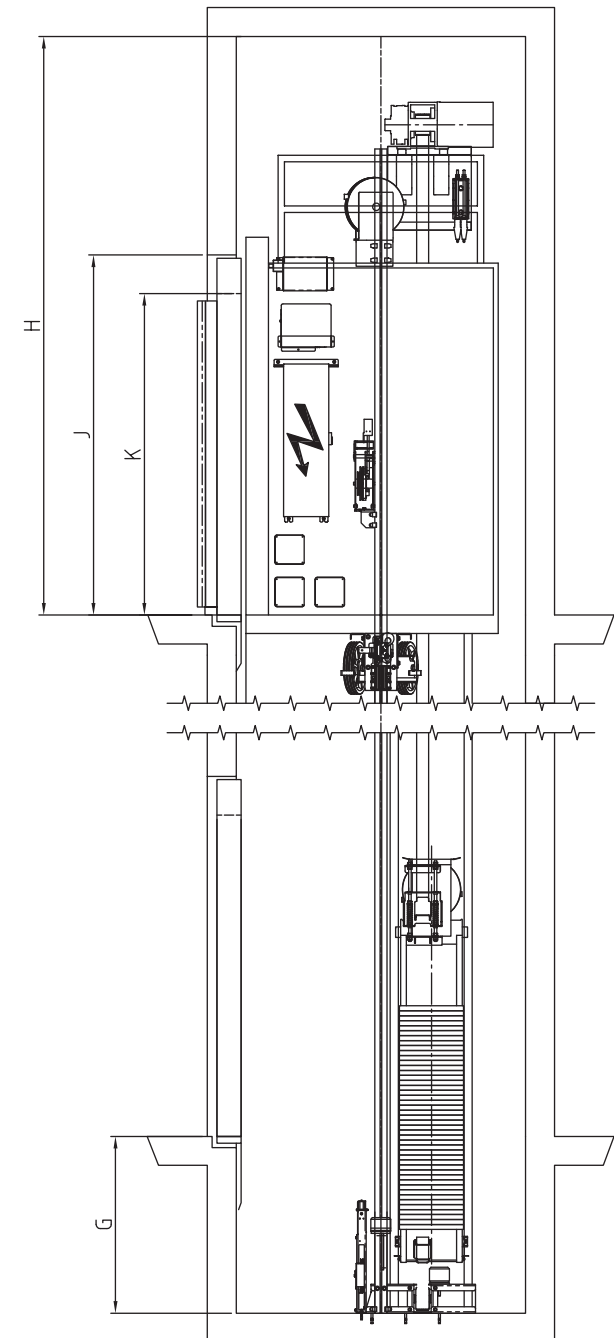
Vm M



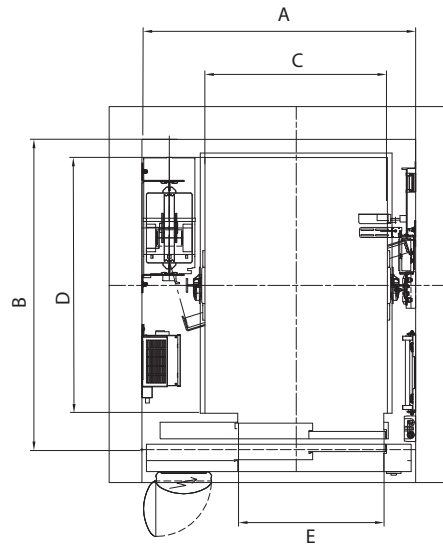
Characteristics

Vm M (machine above)

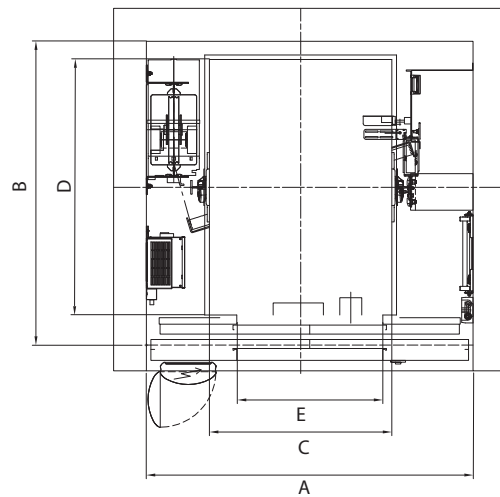
Rated load	From 450 to 1275 Kg
Number of passengers	From 5 to 17
Speed	1 or 1,6 m/s
Maximum rise	46 meters
Traction	1/1 belt
Number of levels	10 max
Car dimensions	Standard or custom-made
Power supply	Three-phases 400 V
Motor	Gearless
Position of the machinery	Without machineroom (Machine above)
Minimum 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



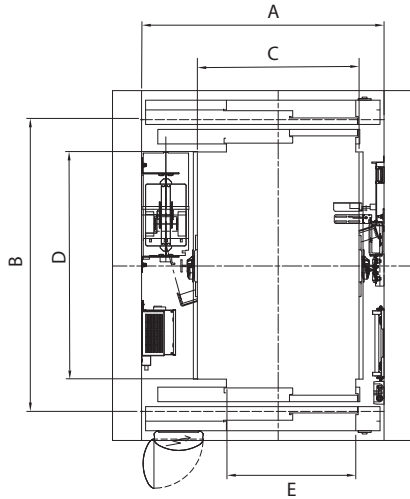
	450 kg	630 kg	1000 kg	1275 kg
G	1100	1100	1250	1400
H	3600	3300	3300	3300
J	2240	2240	2240	2240
K	2000	2000	2000	2000

If K = 2100 --> J + 100

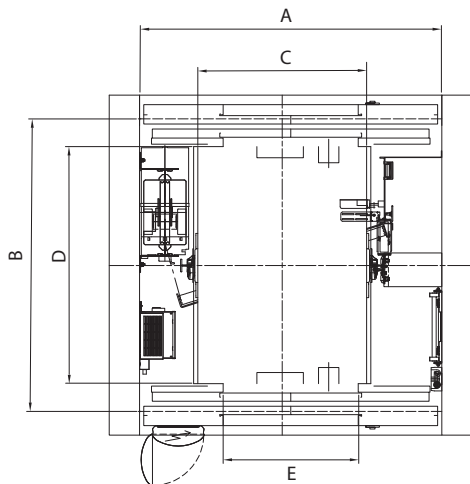
		450 kg 6 pers.	630 kg 8 pers.	1000 kg 13 pers.	1275 kg 17 pers.
Shaft	A	1500	1600	1600	1950
	B	1550	1700	2100	2600
Car	C	1000	1100	1100	1250
	D	1250	1400	2100	2300
Clear opening	E	800	900	900	1100

		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

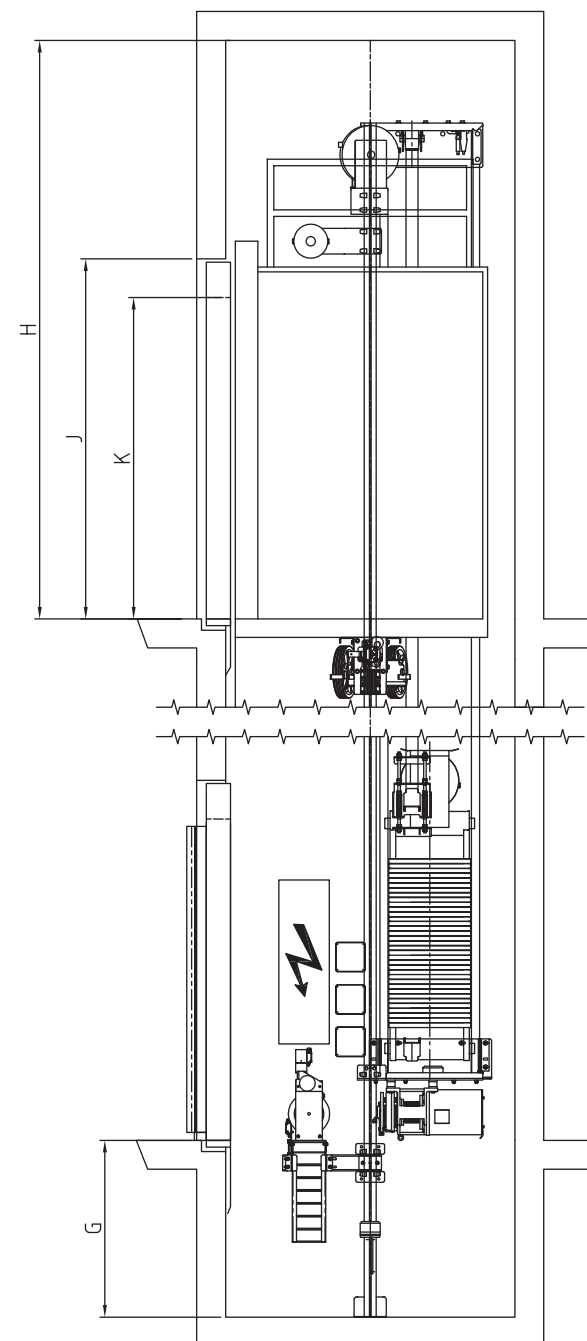
		450 kg 6 pers.	630 kg 8 pers.	1000 kg 13 pers.	1275 kg 17 pers.
Shaft	A	1800	1950	1950	2350
	B	1650	1800	2500	2700
Car	C	1000	1100	1100	1250
	D	1250	1400	2100	2300
Clear opening	E	800	900	900	1100

VmBe

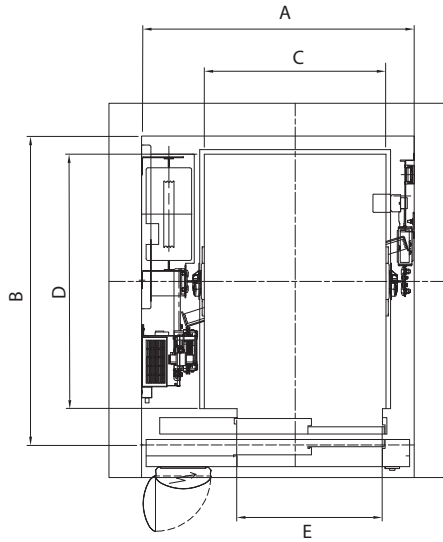


VmBe (machine below)

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

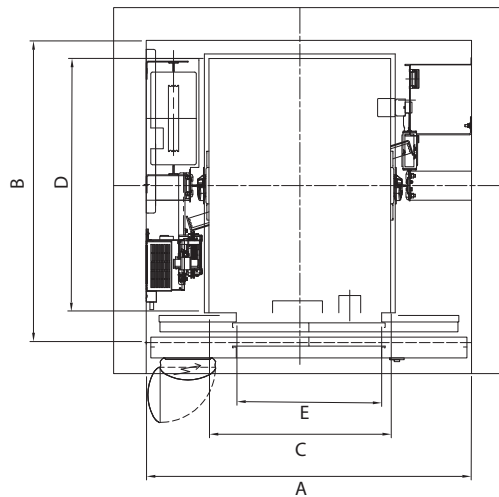


	400/450/630 kg	1000 kg	1275 kg	1600 kg	2000 kg	2500 kg
G	1100	1200	1200	1400	1400	1400
H	2600/3300	3300	3300	3700	3700	3700
J	2240	2240	2240	2240	2240	2240
K	2000	2000	2000	2000	2000	2000

If K = 2100 --> J + 100

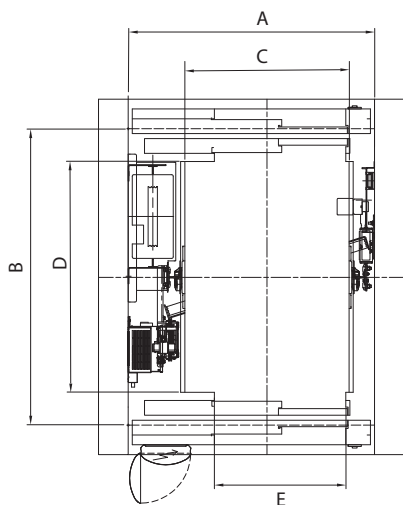
		400 kg	450 kg	630 kg	1000 kg	1275 kg	1600 kg	2000 kg	2500 kg
Shaft	A	1500	1500	1600	1600	1950	2250	2250	2550
	B	1500	1550	1700	2400	2600	2700	3000	3000
Car	C	1000	1000	1100	1100	1250	1400	1500	1800
	D	1100	1250	1400	2100	2300	2400	2700	2700
Clear opening	E	800	800	800 900	900	1100	1300	1300	1400

Simple access - Central door

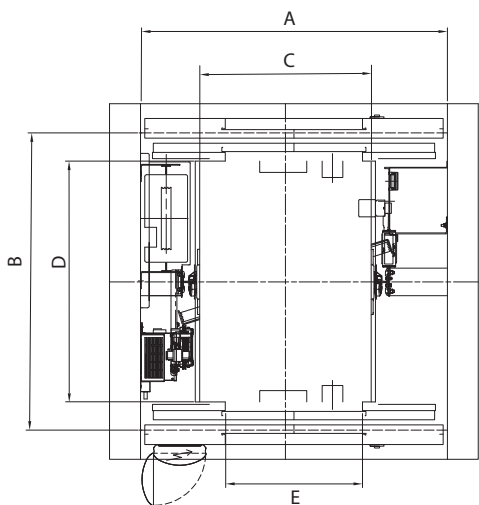


		450 kg	630 kg	1000 kg	1275 kg	1600 kg	2000 kg	2500 kg
Shaft	A	1800	1800	1950	2350	2260	2260	2550
	B	1550	1700	2400	2600	2700	3000	3000
Car	C	1000	1100	1100	1250	1400	1500	1800
	D	1250	1400	2100	2300	2400	2700	2700
Clear opening	E	800	800	900	1100	1300 (4 panels)	1300 (4 panels)	1500 (4 panels)

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

