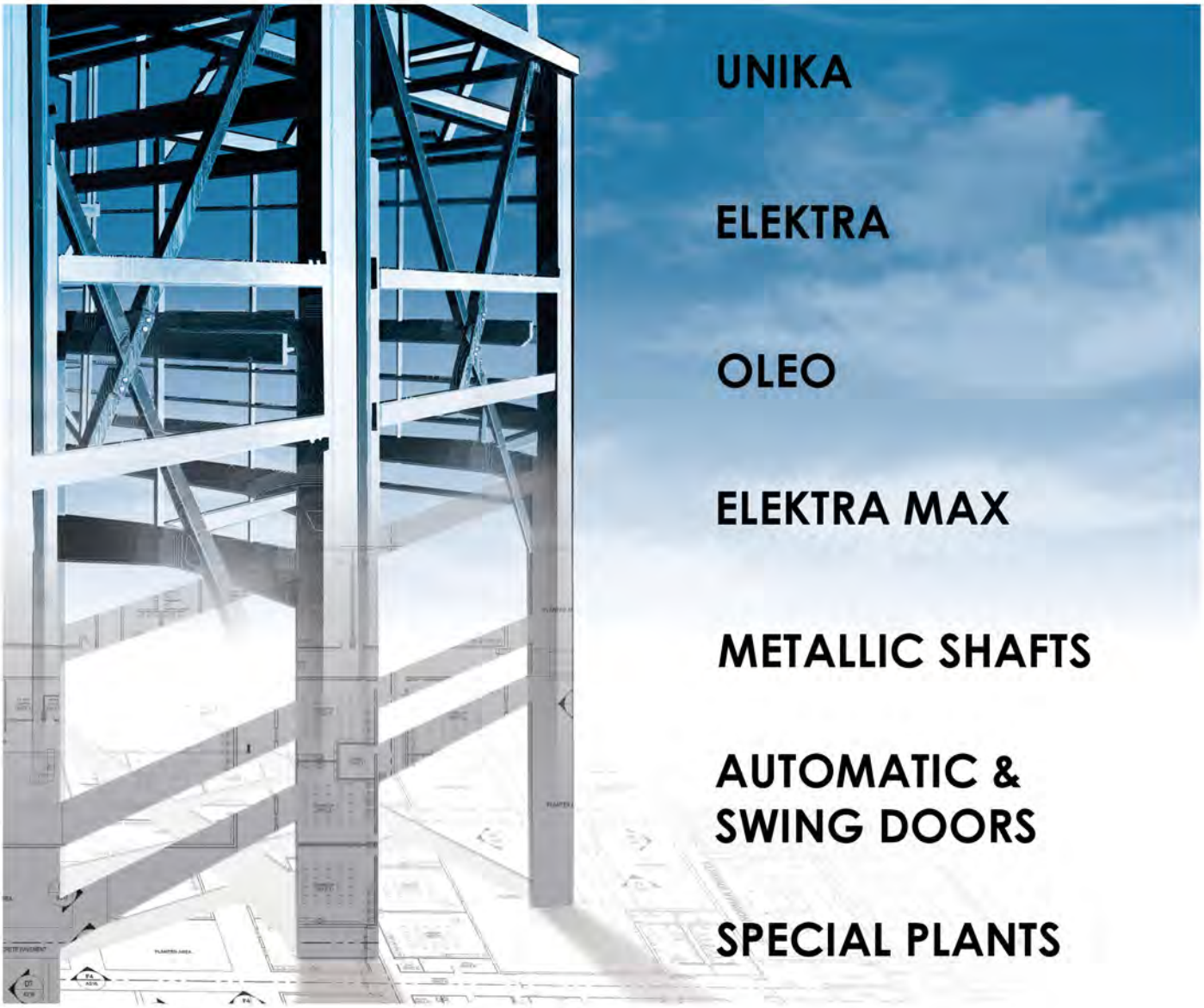
PRODUCTS CATALOGUE

VIPAL spa

PRODUCTS



ADVANTAGES

Aesthetics: the finishes meet customer tastes and blend seamlessly with the style of the building. Our coating plant is internal to our factory, in order to guarantee the highest uniformity of finishes between cabin, doors and metallic shafts

Long-lasting performances: Vipal has a long experience in impeccable installations over time and under any conditions of use

Corrosion resistance: the absence of welding work ensures the maximum resistance to atmospheric attacks

Comfort: The cabin panels (monolithic or foamed in polyurethane) guarantee the maximum thermal and acoustic comfort

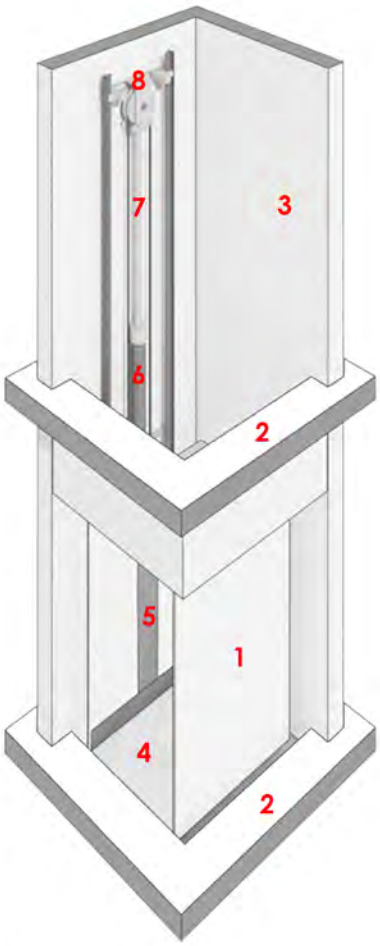
Flexibility: Lift installations are possible both inside and outside the building, thanks to the stylish Vipal spa metallic shafts

Certifications: Our products are designed, tested and certified to ensure your safety

Quick assembly: Pre-assembled components are shipped in packs that optimize assembly time and costs

UNIKA

Oriented to residential and private market, **Unika** is the **Home Elevator** for every request, thanks to its ease of use, ease of assembly and reliability



FEATURES:

01	Cabin	**05**	Control Panel
02	Boulding Floor	**06**	Hydraulic Cylinder
03	Hoistway	**07**	Hydraulic Stem
04	Cabin Floor	**08**	Car

ADVANTAGES

Small spaces: ease of positioning inside small spaces

Price: Our products offer a high-quality construction, with a very competitive price

General Information	UNIKA		
Maximum Load	325 kg	400 kg	500 kg
Capacity	4 persons	5 persons	6 persons
Maximum Cabin Dimensions	800x1200 1000x1000	1100x1400 1200x1200	1400x1400
Speed limit	0,15 m/s		
Control	Manual or Automatic Control		
Maximum Travel	18 m	16 m	14 m
Accesses	2 with cabin doors 3 without cabin doors		
Minimum Pit	150 / 180 mm		
Minimum Headroom	2350 / 2500 mm		
Drive	hydraulic in size 2:1		

ELEKTRA

Elektra is one of the exclusive Vipal products, **the most technologically advanced home elevator**, thanks to its innovative electric traction system that allows greater efficiency and comfort

FEATURES:

01	Cabin	**05**	Control Panel
02	Boulding Floor	**06**	Car
03	Hoistway	**07**	Overspeed Governor and Belt Control Device
04	Cabin Floor	**08**	Engine in the pit

ADVANTAGES

Eco-Friendly: It does not require at all hydraulic oil for operation and drive can be integrated with solar panels

Energy Efficiency: The daily energy consumption is about 25% less than a common hydraulic home lift and is about 20% less than other electric home lift with batteries

EXAMPLE Energy Efficiency:
Load 300 kg, 3 stops, travel 6 mt, speed 0,15 m/s, 40 sec/travel, 60 travel/day

Mode	Phase	Elektra with Cwt Electrical Consumpt.	Electric HL with Batteries Electrical Consumption	Hydraulic Home Lift Electrical Consumption
full load	up	0,80 kW/h	0,02 kW/h	1,80 kW/h
full load	down	0,00 kW/h	0,00 kW/h	0,00 kW/h
empty	up	0,10 kW/h	0,00 kW/h	1,00 kW/h
empty	down	0,10 kW/h	0,02 kW/h	0,00 kW/h
stand-by		0,020 kW/h	0,015 kW/h	0,010 kW/h
recharge (2h/day)		-	0,15 kW/h	-
Daily Consumption		**0,53 kW**	**0,67 kW**	**0,71 kW**

Electrical Power: The standard power of 3 kw of private homes is sufficient

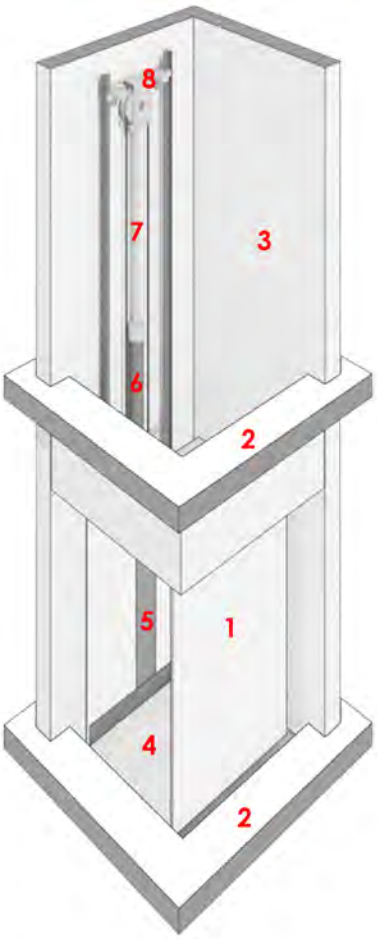
Anti-blackout System: The presence of emergency batteries allows the return to the floor in case of absence of power supply

Comfort and Silence:
The high-quality gearmotor in the pit and the use of the drive system with inverters guarantee smooth start and landings and stop accuracy

No Machine Room: There is no need of additional space for the engine

General Information	ELEKTRA		
Maximum Load	325 kg	400 kg	500 kg
Capacity	4 persons	5 persons	6 persons
Maximum Cabin Dimensions	900x1200 1050x1050	1100x1400 1200x1200	1400x1400
Speed limit	0,15 m/s		
Control	Manual or Automatic Control		
Maximum Travel	16 m		
Accesses	2 with cabin doors 3 without cabin doors		
Minimum Pit	150 / 180 mm		
Minimum Headroom	2350 / 2500 mm		
Drive	Electric		

It represents the range of **Hydraulic elevators VIPAL.**
Designed for low traffic buildings, they are convenient for a wide range of applications: from simple home installation to medium size condominium



FEATURES

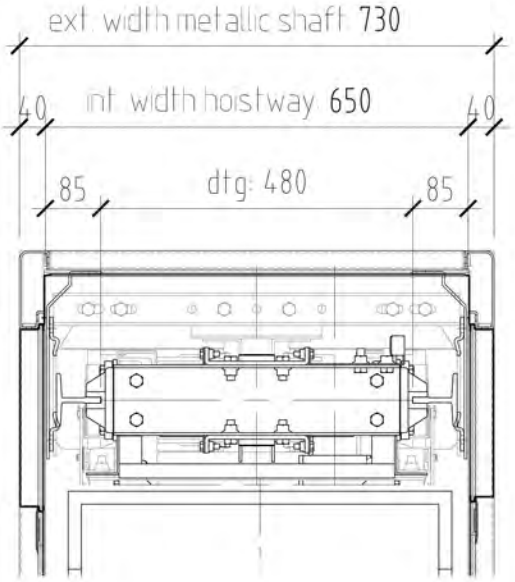
01	Cabin	**05**	Control Panel
02	Boulding Floor	**06**	Hydraulic Cylinder
03	Hoistway	**07**	Hydraulic Stem
04	Cabin Floor	**08**	Car

ADVANTAGES

Small spaces: ease of positioning inside small spaces

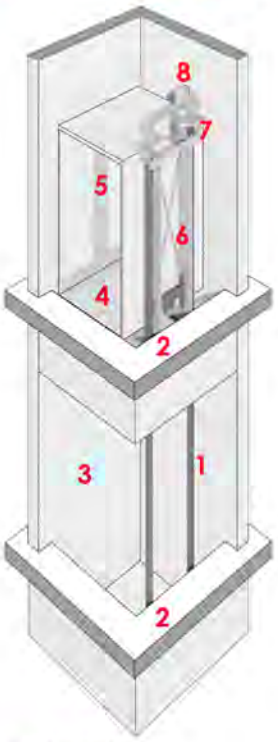
Price: Our products offer a high-quality construction, with a very competitive price

General Information	OLEO		
Maximum Load	330 kg	480 kg	630 kg
Capacity	4 persons	6 persons	8 persons
Maximum Cabin Dimensions	750x1200 950x950	1000x1300 1100x1100	1100x1400 1250x1250
Speed limit	max 0,63 m/s		
Control	Automatic Control or Up/Down		
Maximum Travel	21 m		
Accesses	Untill 3		
Minimum Pit	1100 mm		
Minimum Headroom	3300 mm		
Drive	Hydraulic in size 2:1		



ELEKTRA MAX

Elektra MAX is the most innovative **MRL lift** offered by Vipal Spa. The traction winch, extremely efficient and silent, allows to considerably reduce the consumption of energy.



FEATURES:

01	Guide Rails	**05**	Control Panel
02	Boulding Floor	**06**	Car
03	Hoistway	**07**	Brackets
04	Cabin Floor	**08**	Engine

ADVANTAGES

Consumption: Available with single-phase power (up to 480 kg), and three-phase (up to 630 kg). Energy consumption is about 35% less than a hydraulic lift or a gearless elevator, thanks to the 120 mm diameter drive pulley, as shown in the following example:

Example: Energy Efficiency - single-phase power supply (three-phase in brackets)
load 480 kg, 6 stops, travel 15 mt, speed 0,60 m/s, 25 sec/travel, 60 travel/day

Mode	Phase	Elektra MAX Electric. consumpt.	Gls Lift with Batteries Electrical consumpt.	Hydraulic Lift Electrical consumption
full load	up	1,80 (3,00) kW/h	0,04 kW/h	(9,60) kW/h
full load	full load	0,00 kW/h	0,00 kW/h	(0,00) kW/h
empty	up	0,00 kW/h	0,00 kW/h	(5,30) kW/h
empty	full load	1,80 (3,00) kW/h	0,04 kW/h	(0,00) kW/h
stand-by		0,030 kW/h	0,030 kW/h	(0,020) kW/h
recharge (2h/day)		-	0,30 kW/h	-
Daily Consumption		**1,10 (1,35) kW**	**1,63 kW**	**(2,03) kW**

Electrical Power: This technology allows the lift to operate with three-phase power and a speed of 1 m/s, employing a power of only 4 kW (up to 630 kg capacity), used even in huge size buildings. For the version with single-phase power supply and a speed of 0,60 m/s, by engaging a power of only 2.2 kW (up to 480 kg capacity) is sufficient the standard power of 3 kw of private homes

Comfort: The high-quality gearmotor and the use of the drive system with inverters guarantee smooth start and landings and stop accuracy

Eco-Friendly: Elektra MAX recpects the environment, it works without using oil or batteries to be disposed

General Information	ELEKTRA MAX	
Maximum Load	480 kg	630 kg
Capacity	6 persons	8 persons
Maximum Cabin Dimensions	1000x1300 1100x1100	1100X1400 1250X1250
Speed limit	max 1,00 m/s	
Control	Automatic Control or Up/Down	
Maximum Travel	60 m	
Accesses	Untill 3	
Minimum Pit	1000 mm	
Minimum Headroom	3300 mm	
Drive	Electric in size 2:1	

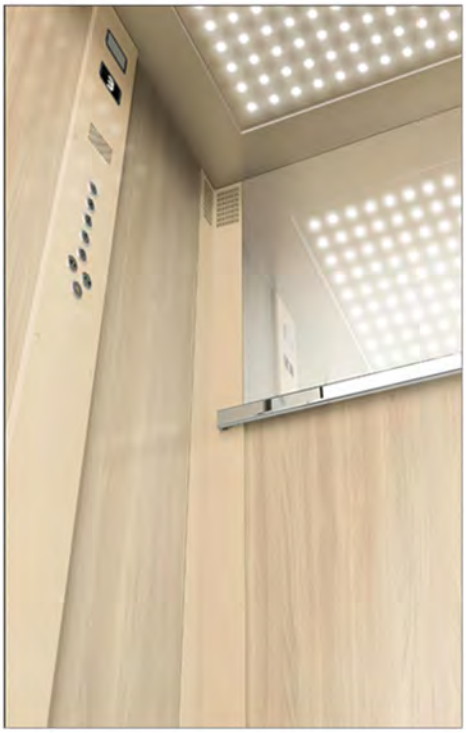
CABINS

SIMPLY LINE
cabin walls in plasticized steel sheets glossy effect

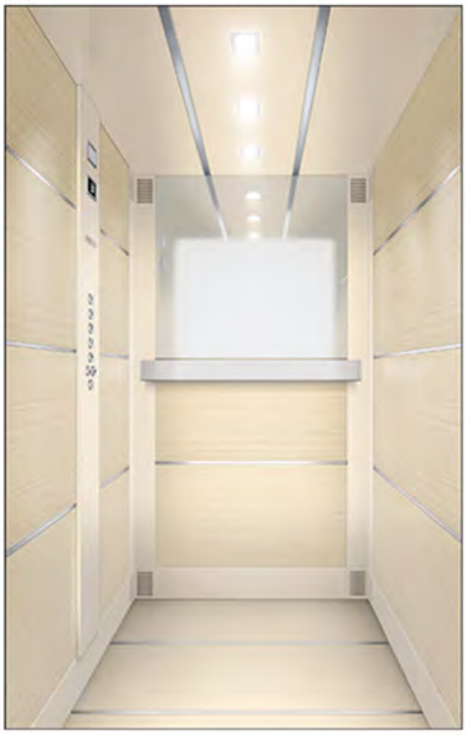
SIMPLY WHITE

SIMPLY LONDON

WOOD LINE
cabin walls in double faced, fireproof and scratch resistant panels



WOOD ELM



WOOD MAPLE

TISSUE LINE
cabin walls in plasticized scratch resistant steel sheet tissue effect

TISSUE COTTON

TISSUE LINEN

CABINS

STEEL LINE
cabin walls in
stainless steel sheets

STEEL SATIN

STEEL TRAMA

STONE LINE
cabin walls in ceramic tiles

STONE GRANITE

STONE TRAVERTINE

GOLD LINE
cabin walls in ceramic tiles

GOLD LINE

ROMANTIC

CABINS

walls

cabin shaft:
cieling, control board, cabin jambs and baseboards

walls *cabin shaft*

SIMPLY WHITE
white plalam | white RAL9016

SIMPLY ROMA
plalam Roma | grey RAL7047

SIMPLY VIENNA
plalam Vienna | grey RAL7047

WOOD ELM
Elm panels | ivory RAL1015

TISSUE LINEN
plalam Linen Grey | polished stainless steel

STEEL TRAMA
scratch-resistant stainless steel | polished stainless steel

STONE TRAVERTINE
ceramic tiles Travertine | beige RAL1013

GOLD ROMANTIC
ceramic tiles | Gold RAL1036

walls *cabin shaft*

SIMPLY BEIGE
beige plalam | beige RAL1013

SIMPLY LONDON
plalam Londra | grey RAL7047

WOOD MAPLE
maple panels | cream RAL9001

TISSUE COTTON
plalam Cotton Ecrù | polished stainless steel

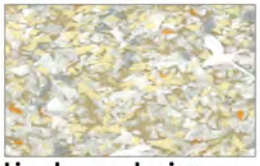
STEEL SATIN
satinized stainless steel | polished stainless steel

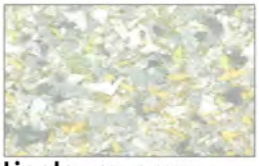
STONE GRANITE
ceramic tiles Granite | grey RAL7044

GOLD LINE
ceramic tiles | Gold RAL1036

CABINS

FLOORS


Linoleum beige


Linoleum grey

Ceramic Tiles Sand

Ceramic Tiles Brown

Ceramic Tiles Rock

Half wall mirror or stratified glass

Full wall mirror or stratified glass

Decorative strips (only for WOOD cabins)

Round handrail

Square handrail

Panel 1

Panel 2

Panel 3

CIELING FOR LIFT

Round Spot 3

Round Spot 4

CIELING FOR HOME LIFT

Spot light 2/4

CABINS

Vision – non standard

Wood Maple
with decorative strips

Wood Elm

STEEL

Wood Elm

Simply White

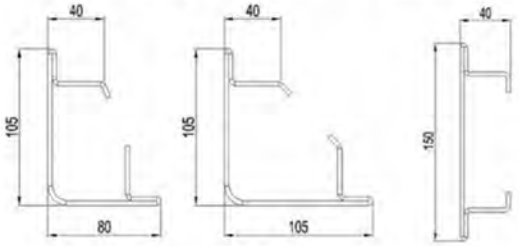
METALLIC SHAFT

Vipal metallic shafts are a perfect match between **PERFORMANCE and DESIGN**. Cold-formed profiles of 3 mm thickness do not need welding and offer very high resistance to rust formation.

The brand new external **metallic shaft AF does not require silicon**.
Polyester powdery coating on galvanized sheet metal guarantees high standards of corrosion resistance (Istituto Masini cert. N°1812-2007 with more than 800 hours in saline fog ISO 7253:1 hour in saline fog=7 days in sea climate =9,5 days in continental climate)

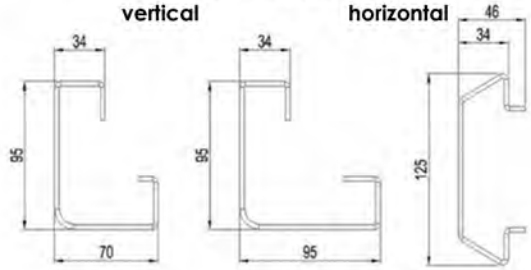
VSA PROFILES

vertical horizontal



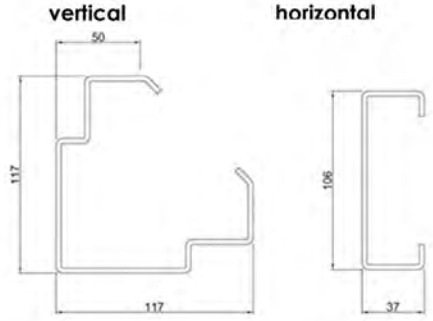
S30 PROFILES

vertical horizontal



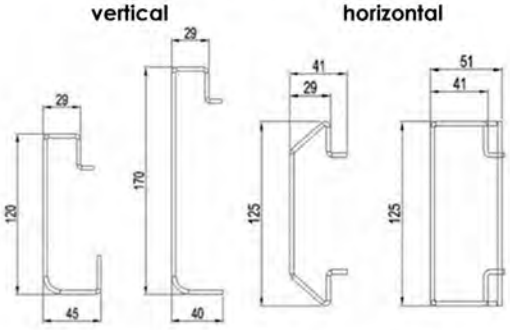
AF PROFILES

vertical horizontal



SLIM PROFILES

vertical horizontal



Model	MAIN APPLICATION	FINISHING	PANELLING
AF	External lift and home lift **WITHOUT SILICON**	**In galvanised and coated steel sheet** with polyester powder, RAL or Vipal colour or **in stainless steel sheet, polished or satinized**	3 Options: 1. **Stratified glass** 2. **metal panelling** 3. **metal insulated panelling**
VSA	External or internal lift and home lift, with automatic doors at landings		
S30	External or internal lift and home lift, with swing doors at landings		
SLIM	Lift and home lift IN NARROW SPACES with swing doors at landings		

METALLIC SHAFT

Colour: Antique Grey

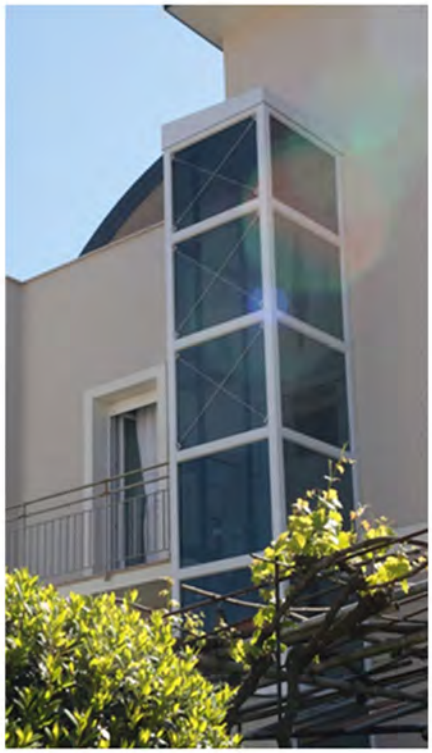
Colour: Antique White

Colour: Antique Grey

Colour: Antique Grey

METALLIC SHAFT

Colour: Antique Grey



Colour: Antique White

Colour: White RAL 9010

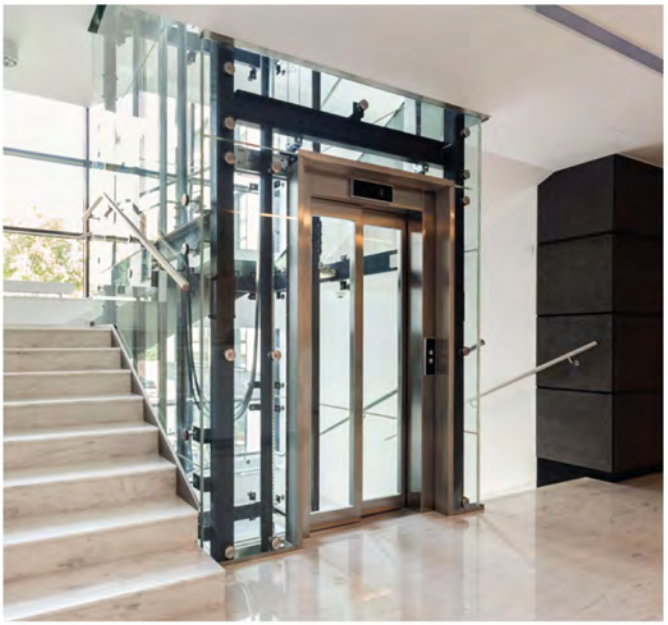
Colour: Antique White

Colour: Cream RAL 9001

Colour: Antique Grey

06

METALLIC SHAFT



DOORS

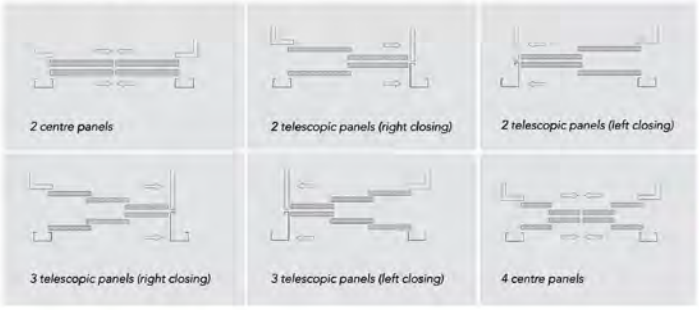
SWING DOORS

The Vipal doors collection is made up of the Gems lines: Jade, Sapphir, Crystal and the standard Onix.
Available on coated galvanized steel sheet surfaces or stainless steel.

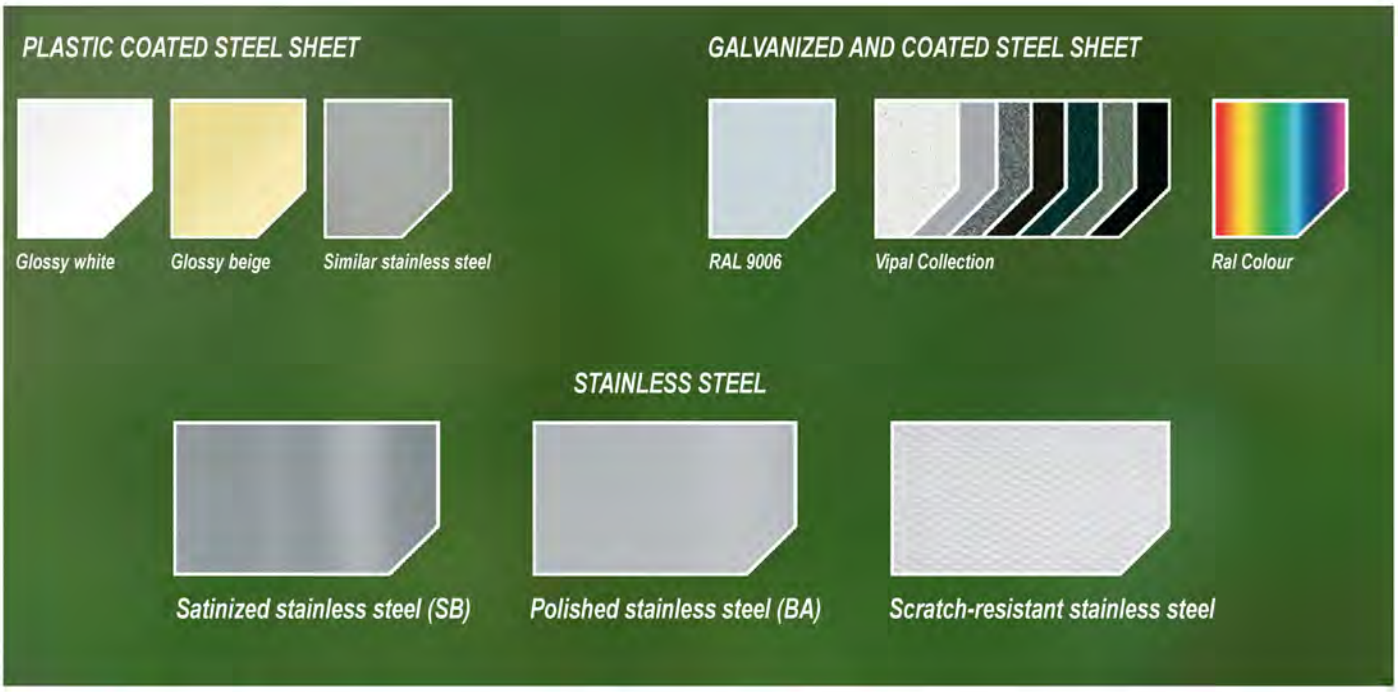
DOOR	500 x 2000	550 x 2000	600 x 2000	650 x 2000	700 x 2000
DOORFRAME	700 x 2100	750 x 2100	800 x 2100	850 x 2100	900 x 2100
DOOR	750 x 2000	800 x 2000	850 x 2000	900 x 2000	
DOORFRAME	950 x 2100	1000 x 2100	1050 x 2100	1100 x 2100	

AUTOMATIC DOORS

Our automatic doors are available in plasticized steel sheets, galvanized and coated steel sheets or stainless steel sheets.
The variety of configurations allows you to use the most suitable solution to your needs, even to the most particular ones

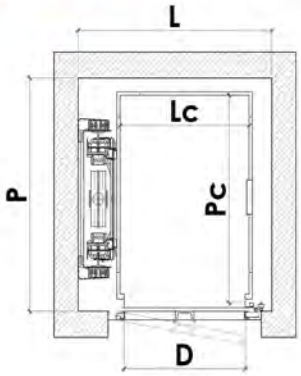


CLEAR OPERNING	600x2000	650x2000	700x2000	750x2000	800x2000	850x2000	
	900x2000	950x2000	1000x2000	1050x2000	1100x2000	1150x2000	1200x2000

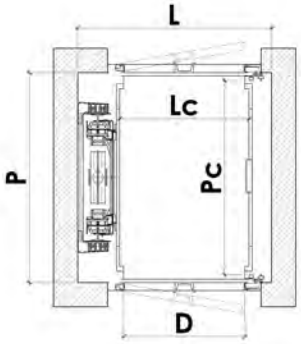


Our coating plant is internal to our factory, in order to guarantee the highest uniformity of finishes between cabin, doors and metallic shafts

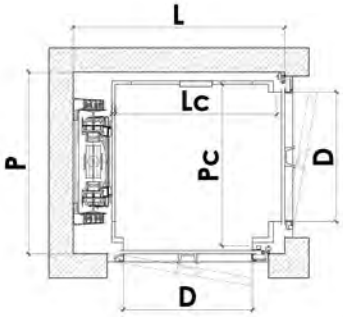
UNIKA – HOISTWAY DIMENSIONS



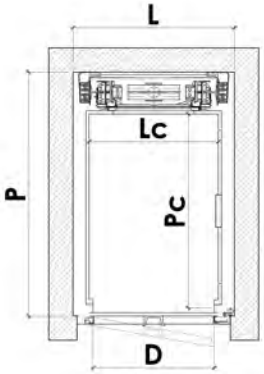
CONCRETE HOISTWAY, NO CABIN DOORS, Single Access				
		♿	♿	♿
Load (kg)	250	375	450	450
L	975	1200	1300	1450
P	925	1350	1450	1550
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	600	750	800	900



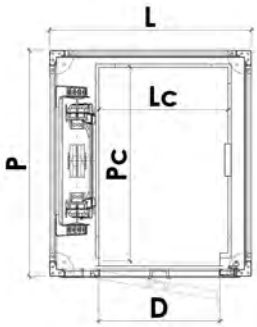
CONCRETE HOISTWAY, NO CABIN DOORS, Opposite Accesses				
		♿	♿	♿
Load (kg)	250	375	450	450
L	975	1200	1300	1450
P	900	1300	1400	1500
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	600	750	800	900



CONCRETE HOISTWAY, NO CABIN DOORS, Adjacent Accesses				
			♿	♿
Load (kg)	250	375	450	500
L	1110	1310	1510	1710
P	925	1125	1325	1525
Lc	800	1000	1200	1400
Pc	800	1000	1200	1400
D	600	800	900	900

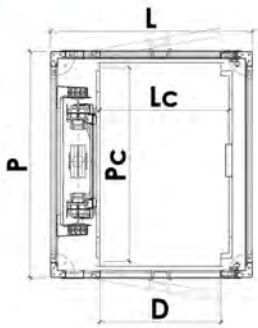


CONCRETE HOISTWAY, NO CABIN DOORS, Single Access, Car on the Back				
		♿	♿	♿
Load (kg)	250	375	425	500
L	1000	1000	1400	1600
P	1110	1510	1510	1710
Lc	800	800	1200	1400
Pc	800	1200	1200	1400
D	750	750	900	900

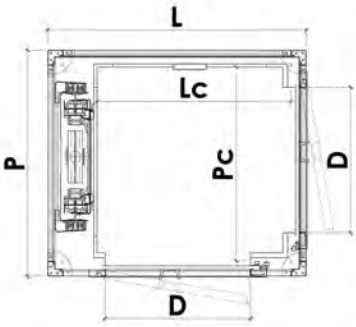


METALLIC HOISTWAY, NO CABIN DOORS, Single Access				
		♿	♿	♿
Load (kg)	250	375	450	450
L	1050	1250	1400	1550
P	1000	1400	1500	1600
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	600	750	800	900

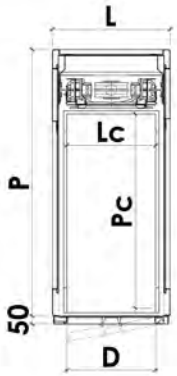
UNIKA – HOISTWAY DIMENSIONS



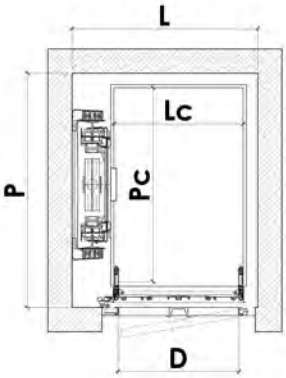
METALLIC HOISTWAY, NO CABIN DOORS, Opposite Accesses				
		♿	♿	♿
Load (kg)	250	375	450	450
L	1050	1250	1400	1550
P	1000	1400	1500	1600
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	600	750	800	900



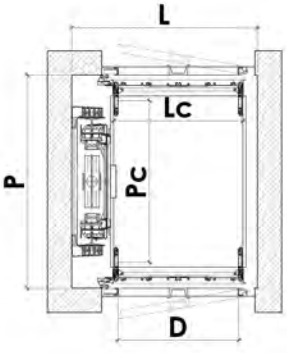
METALLIC HOISTWAY, NO CABIN DOORS, Adjacent Accesses				
		♿	♿	
Load (kg)	250	450	500	
L	1200	1600	1800	
P	1050	1400	1600	
Lc	800	1200	1400	
Pc	800	1200	1400	
D	650	900	900	



METALLIC HOISTWAY, NO CABIN DOORS, Single Access, Car on the Back				
		♿	♿	♿
Load (kg)	250	375	450	450
L	730	1100	1250	1400
P	1700	1600	1700	1800
Lc	550	800	950	1100
Pc	1200	1200	1300	1400
D	550	750	800	900

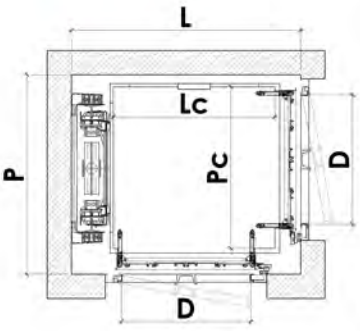


CONCRETE HOISTWAY, AUTOMATIC FOLDING DOORS, Single Access				
		♿	♿	♿
Load (kg)	250	375	375	450
L	975	1150	1300	1450
P	1025	1450	1550	1650
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	600	750	800	900

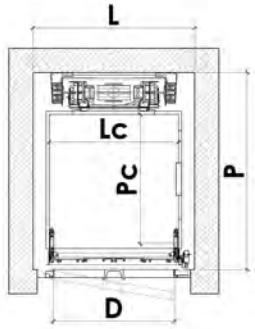


CONCRETE HOISTWAY, AUTOMATIC FOLDING DOORS, Opposite Accesses				
		♿	♿	♿
Load (kg)	250	300	400	450
L	975	1150	1300	1450
P	1120	1520	1620	1720
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	600	750	800	900

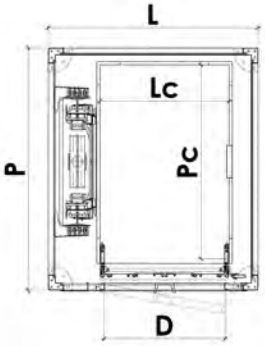
UNIKA - HOISTWAY DIMENSIONS



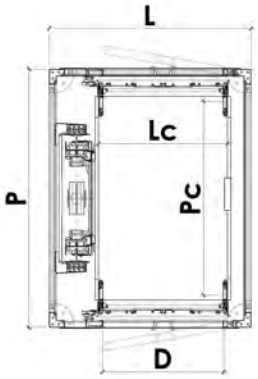
CONCRETE HOISTWAY, AUTOMATIC FOLDING DOORS, Adjacent Accesses			♿	
Load (kg)	250	325	450	
L	1220	1420	1620	
P	1035	1235	1435	
Lc	800	1000	1200	
Pc	800	1000	1200	
D	650	800	900	



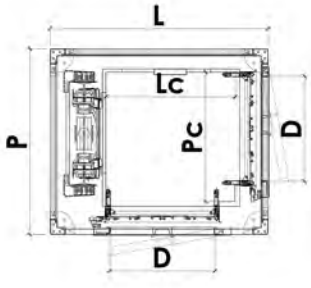
CONCRETE HOISTWAY, AUTOM. FOLD. DOORS, Single Acc., Car on the Back		♿	♿	♿
Load (kg)	250	375	450	500
L	1000	1000	1400	1600
P	1220	1620	1620	1820
Lc	800	800	1200	1400
Pc	800	1200	1200	1400
D	750	750	900	900



METALLIC HOISTWAY, AUTOMATIC FOLDING DOORS, Single Access		♿	♿	♿
Load (kg)	250	375	375	450
L	1050	1250	1400	1550
P	1100	1500	1600	1700
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	550	750	800	900

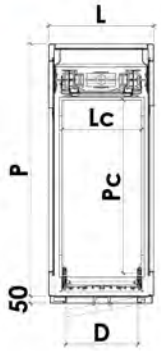


METALLIC HOISTWAY, AUTOMATIC FOLDING DOORS, Opposite Accesses		♿	♿	♿
Load (kg)	250	300	400	450
L	1050	1250	1400	1550
P	1200	1600	1700	1800
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	550	750	800	900

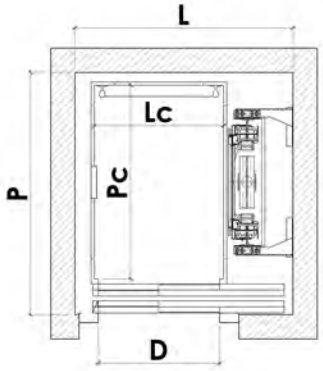


METALLIC HOISTWAY, AUTOMATIC FOLDING DOORS, Adjacent Accesses		♿		
Load (kg)	250	450		
L	1350	1750		
P	1150	1550		
Lc	800	1200		
Pc	800	1200		
D	650	900		

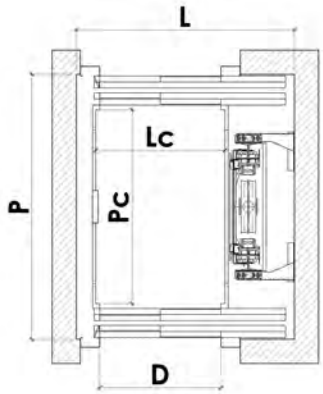
UNIKA – HOISTWAY DIMENSIONS



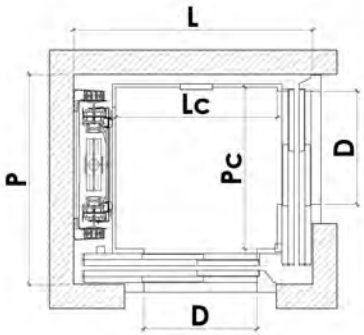
METALLIC HOISTWAY, AUTOM. FOLD. DOORS, Single Access, Car on the Back				
		♿	♿	♿
Load (kg)	250	375	450	500
L	730	1100	1500	1700
P	1800	1750	1750	1950
Lc	550	800	1200	1400
Pc	1200	1200	1200	1400
D	500	750	900	900



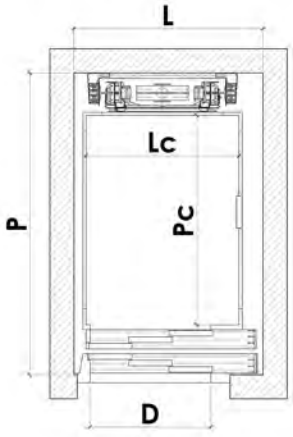
CONCRETE HOISTWAY, AUTOMATIC DOORS, Single Access				
		♿	♿	♿
Load (kg)	250	375	375	450
L	1100	1350	1500	1650
P	1150	1500	1600	1700
Lc	650	800	950	1100
Pc	850	1200	1300	1400
D	600	750	800	900



CONCRETE HOISTWAY, AUTOMATIC DOORS, Opposite Accesses				
		♿	♿	♿
Load (kg)	250	375	325	450
L	1100	1350	1500	1650
P	1290	1640	1740	1840
Lc	650	800	950	1100
Pc	850	1200	1300	1400
D	600	750	800	900

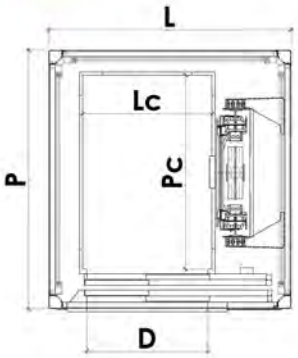


CONCRETE HOISTWAY, AUTOMATIC DOORS, Adjacent Accesses				
		♿		
Load (kg)	350	450		
L	1480	1680		
P	1300	1500		
Lc	1000	1200		
Pc	1000	1200		
D	700	800		

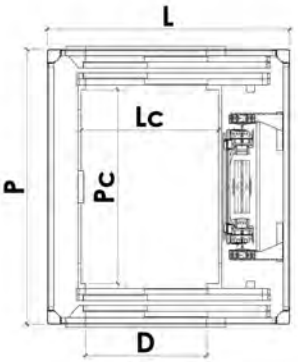


CONCRETE HOISTWAY, AUTOMATIC DOORS, Single Access, Car on the Back				
		♿		
Load (kg)	375	450		
L	1075	1175		
P	1775	1875		
Lc	800	950		
Pc	1200	1300		
D	600	750		

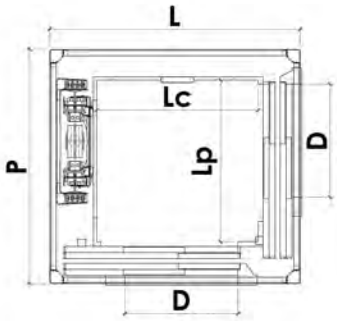
UNIKA – HOISTWAY DIMENSIONS



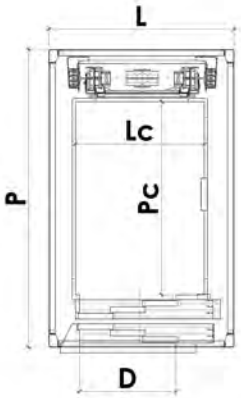
METALLIC HOISTWAY, AUTOMATIC DOORS, Single Access				
		♿	♿	♿
Load (kg)	250	375	375	450
L	1250	1500	1550	1700
P	1300	1600	1700	1800
Lc	650	800	950	1100
Pc	850	1200	1300	1400
D	600	750	800	900



METALLIC HOISTWAY, AUTOMATIC DOORS, Opposite Accesses				
		♿	♿	♿
Load (kg)	250	375	450	450
L	1250	1500	1550	1650
P	1350	1700	1800	1900
Lc	650	800	950	1100
Pc	850	1200	1300	1400
D	600	750	800	900

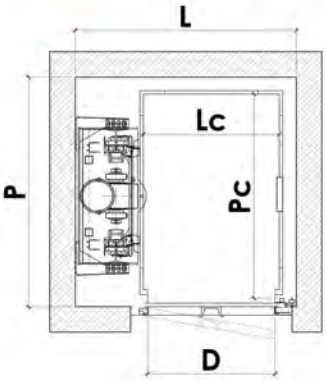


METALLIC HOISTWAY, AUTOMATIC DOORS, Adjacent Accesses				
		♿		
Load (kg)	350	450		
L	1550	1750		
P	1450	1600		
Lc	1000	1200		
Pc	1000	1200		
D	700	800		

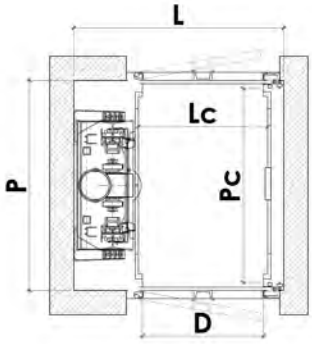


METALLIC HOISTWAY, AUTOMATIC DOORS, Single Access, Car on the Back				
		♿		
Load (kg)	375	450		
L	1150	1350		
P	1850	1950		
Lc	800	950		
Pc	1200	1300		
D	600	750		

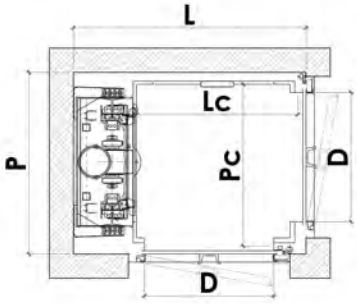
08 ELEKTRA – HOISTWAY DIMENSIONS



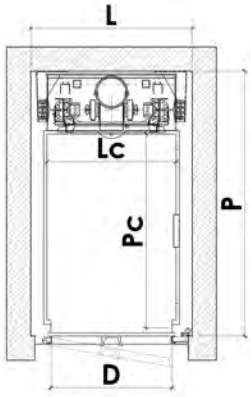
CONCRETE HOISTWAY, NO CABIN DOORS, Single Access				
Load (kg)	250	375	450	450
L	1100	1300	1400	1550
P	925	1350	1450	1550
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	600	750	800	900



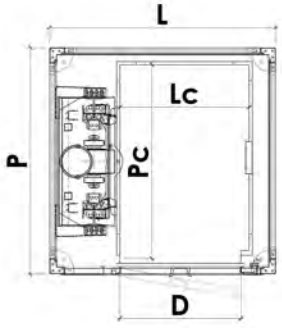
CONCRETE HOISTWAY, NO CABIN DOORS, Opposite Accesses				
Load (kg)	250	375	450	450
L	1100	1300	1400	1550
P	900	1300	1400	1500
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	600	750	800	900



CONCRETE HOISTWAY, NO CABIN DOORS, Adjacent Accesses				
Load (kg)	250	375	450	500
L	1230	1430	1630	1830
P	925	1125	1325	1525
Lc	800	1000	1200	1400
Pc	800	1000	1200	1400
D	650	800	900	900

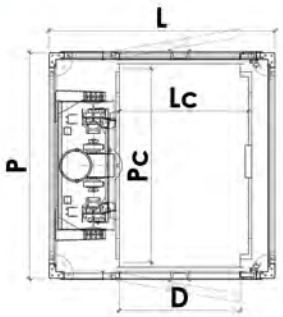


CONCRETE HOISTWAY, NO CABIN DOORS, Single Access, Car on the Back				
Load (kg)	250	375	425	500
L	1000	1000	1400	1600
P	1230	1630	1630	1830
Lc	800	800	1200	1400
Pc	800	1200	1200	1400
D	750	750	900	900

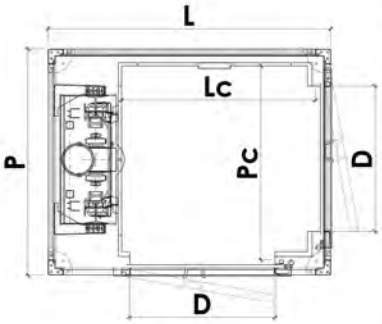


METALLIC HOISTWAY, NO CABIN DOORS, Single Access				
Load (kg)	250	375	450	450
L	1200	1400	1500	1650
P	1000	1400	1500	1600
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	600	750	800	900

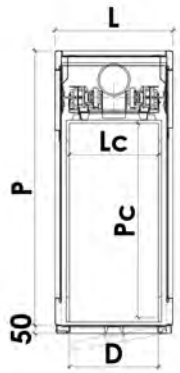
08 ELEKTRA - HOISTWAY DIMENSIONS



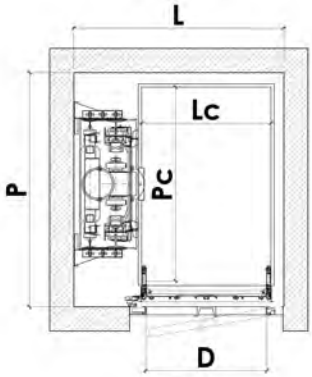
METALLIC HOISTWAY, NO CABIN DOORS, Opposite Accesses				
Load (kg)	250	375	450	450
L	1200	1400	1500	1650
P	1000	1400	1500	1600
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	600	750	800	900



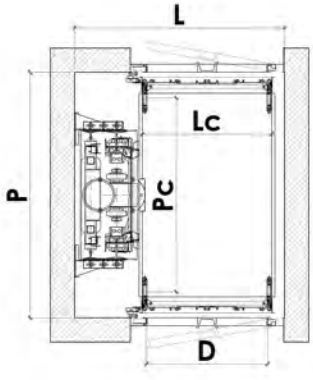
METALLIC HOISTWAY, NO CABIN DOORS, Adjacent Accesses				
Load (kg)	250	450	500	
L	1350	1750	1950	
P	1050	1400	1600	
Lc	800	1200	1400	
Pc	800	1200	1400	
D	650	900	900	



METALLIC HOISTWAY, NO CABIN DOORS, Single Access, Car on the Back				
Load (kg)	250	375	450	450
L	730	1100	1250	1400
P	1750	1750	1850	1950
Lc	550	800	950	1100
Pc	1200	1200	1300	1400
D	550	750	800	900

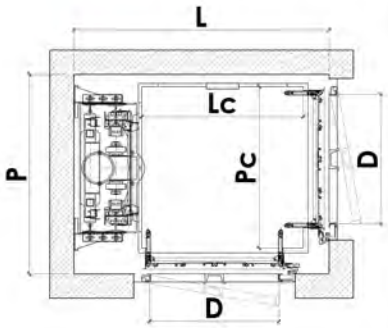


CONCRETE HOISTWAY, AUTOMATIC FOLDING DOORS, Single Access				
Load (kg)	250	375	375	425
L	1100	1275	1425	1575
P	1025	1450	1550	1650
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	600	750	800	900

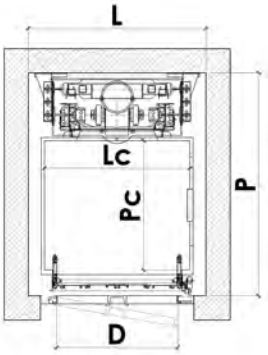


CONCRETE HOISTWAY, AUTOMATIC FOLDING DOORS, Opposite Accesses				
Load (kg)	250	375	400	375
L	1100	1270	1420	1570
P	1120	1520	1620	1620
Lc	600	800	950	1100
Pc	800	1200	1300	1300
D	600	750	800	900

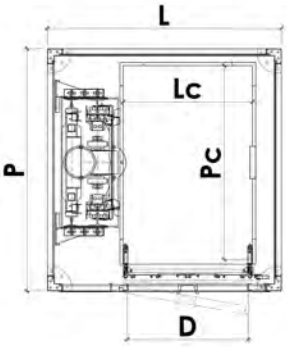
ELEKTRA - HOISTWAY DIMENSIONS



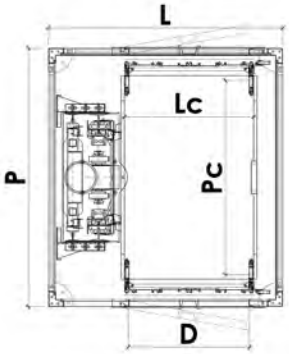
CONCRETE HOISTWAY, AUTOMATIC FOLDING DOORS, Adjacent Accesses			♿	
Load (kg)	250	375	375	
L	1350	1540	1740	
P	1035	1235	1435	
Lc	800	1000	1200	
Pc	800	1000	1200	
D	650	800	900	



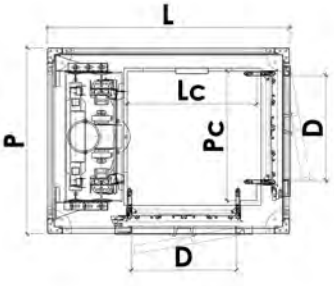
CONCRETE HOISTWAY, AUTOM. FOLD. DOORS, Single Acc., Car on the Back		♿	♿	♿
Load (kg)	250	375	425	425
L	1000	1000	1400	1400
P	1340	1740	1740	1840
Lc	800	800	1200	1200
Pc	800	1200	1200	1300
D	750	750	900	900



METALLIC HOISTWAY, AUTOMATIC FOLDING DOORS, Single Access		♿	♿	♿
Load (kg)	250	375	375	425
L	1200	1400	1500	1650
P	1100	1500	1600	1700
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	550	750	800	900

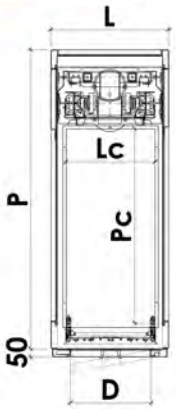


METALLIC HOISTWAY, AUTOMATIC FOLDING DOORS, Opposite Accesses		♿	♿	♿
Load (kg)	250	375	400	375
L	1200	1400	1500	1650
P	1200	1600	1700	1700
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	550	750	800	900

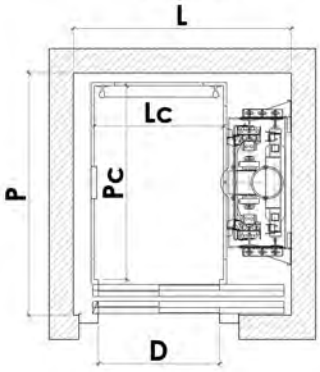


METALLIC HOISTWAY, AUTOMATIC FOLDING DOORS, Adjacent Accesses		♿		
Load (kg)	250	375		
L	1450	1900		
P	1150	1550		
Lc	800	1200		
Pc	800	1200		
D	650	900		

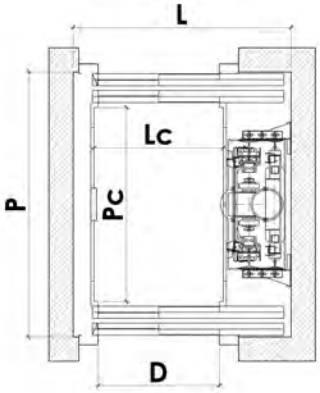
ELEKTRA - HOISTWAY DIMENSIONS



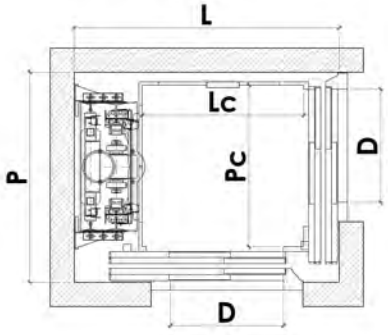
METALLIC HOISTWAY, AUTOM. FOLD. DOORS, Single Access, Car on the Back				
		♿	♿	♿
Load (kg)	250	375	425	425
L	730	1100	1500	1500
P	1850	1900	1900	2000
Lc	550	800	1200	1200
Pc	1200	1200	1200	1300
D	500	750	900	900



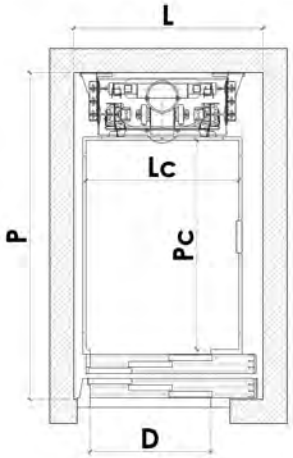
CONCRETE HOISTWAY, AUTOMATIC DOORS, Single Access				
		♿	♿	♿
Load (kg)	250	375	375	350
L	1100	1350	1500	1650
P	1150	1500	1600	1600
Lc	650	800	950	1100
Pc	850	1200	1300	1300
D	600	750	800	900



CONCRETE HOISTWAY, AUTOMATIC DOORS, Opposite Accesses				
		♿	♿	♿
Load (kg)	250	350	325	375
L	1100	1350	1500	1650
P	1290	1640	1740	1740
Lc	650	800	950	1100
Pc	850	1200	1300	1300
D	600	750	800	900

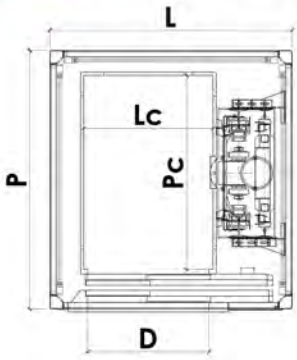


CONCRETE HOISTWAY, AUTOMATIC DOORS, Adjacent Accesses				
		♿		
Load (kg)	350	400		
L	1600	1800		
P	1300	1500		
Lc	1000	1200		
Pc	1000	1200		
D	700	800		

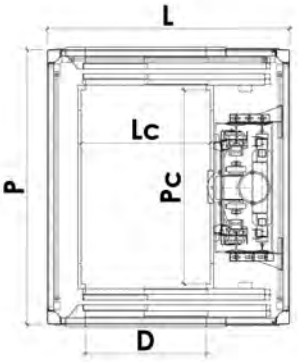


CONCRETE HOISTWAY, AUTOMATIC DOORS, Single Access, Car on the Back				
		♿		
Load (kg)	375	375		
L	1075	1175		
P	1910	2010		
Lc	800	950		
Pc	1200	1300		
D	600	750		

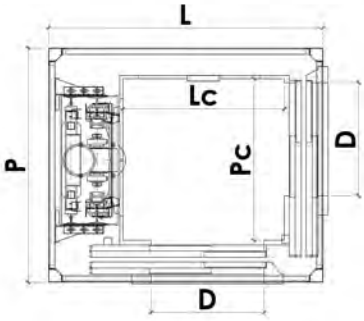
08 ELEKTRA - HOISTWAY DIMENSIONS



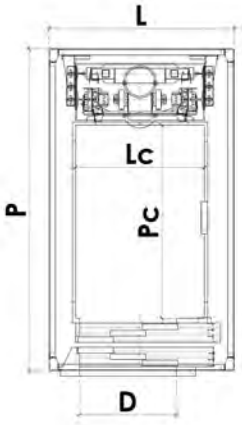
METALLIC HOISTWAY, AUTOMATIC DOORS, Single Access				
Load (kg)	250	375	375	450
L	1250	1500	1550	1700
P	1300	1600	1700	1800
Lc	650	800	950	1100
Pc	850	1200	1300	1400
D	600	750	800	900



METALLIC HOISTWAY, AUTOMATIC DOORS, Opposite Accesses				
Load (kg)	250	350	325	375
L	1250	1500	1550	1650
P	1350	1700	1800	1800
Lc	650	800	950	1100
Pc	850	1200	1300	1300
D	600	750	800	900

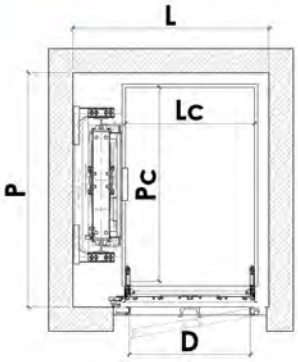


METALLIC HOISTWAY, AUTOMATIC DOORS, Adjacent Accesses				
Load (kg)	350	400		
L	1650	1850		
P	1450	1600		
Lc	1000	1200		
Pc	1000	1200		
D	700	800		

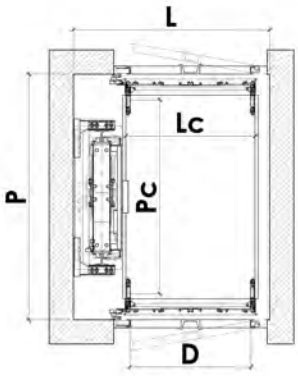


METALLIC HOISTWAY, AUTOMATIC DOORS, Single Access, Car on the Back				
Load (kg)	375	375		
L	1150	1350		
P	2000	2100		
Lc	800	950		
Pc	1200	1300		
D	600	750		

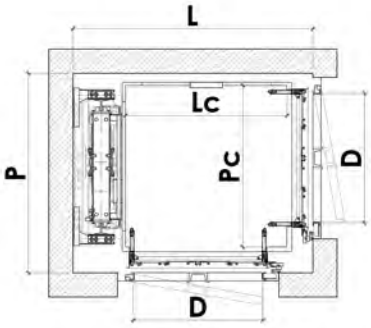
OLEO - HOISTWAY DIMENSIONS



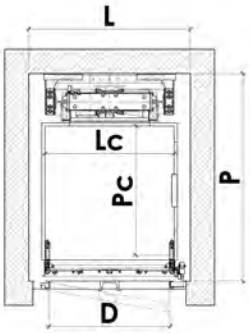
CONCRETE HOISTWAY, AUTOMATIC FOLDING DOORS, Single Access				
		♿	♿	♿
Load (kg)	200	400	480	630
L	1040	1215	1365	1515
P	1025	1450	1550	1650
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	600	750	800	900



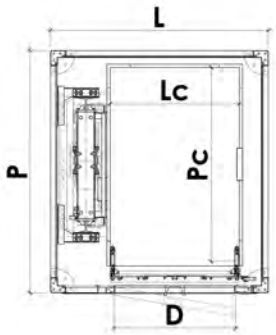
CONCRETE HOISTWAY, AUTOMATIC FOLDING DOORS, Opposite Accesses				
		♿	♿	♿
Load (kg)	200	400	480	630
L	1040	1215	1365	1515
P	1120	1520	1620	1720
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	550	750	800	900



CONCRETE HOISTWAY, AUTOMATIC FOLDING DOORS, Adjacent Accesses				
			♿	
Load (kg)	260	400	630	
L	1285	1485	1685	
P	1035	1235	1435	
Lc	800	1000	1200	
Pc	800	1000	1200	
D	650	800	900	

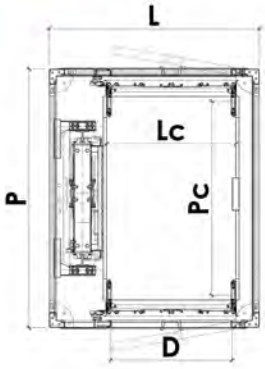


CONCRETE HOISTWAY, AUTOM. FOLD. DOORS, Single Acc., Car on the Back				
		♿	♿	♿
Load (kg)	260	400	480	630
L	1000	1000	1150	1400
P	1285	1685	1785	1685
Lc	800	800	950	1200
Pc	800	1200	1300	1200
D	750	750	800	900

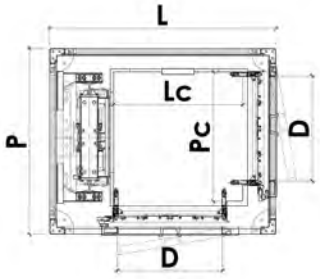


METALLIC HOISTWAY, AUTOMATIC FOLDING DOORS, Single Access				
		♿	♿	♿
Load (kg)	200	400	480	630
L	1150	1350	1500	1650
P	1100	1500	1600	1700
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	550	750	800	900

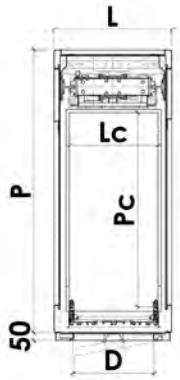
OLEO - HOISTWAY DIMENSIONS



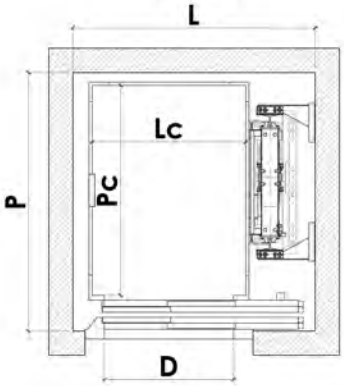
METALLIC HOISTWAY, AUTOMATIC FOLDING DOORS, Opposite Accesses				
		♿	♿	♿
Load (kg)	200	400	480	630
L	1150	1350	1500	1650
P	1200	1600	1700	1800
Lc	600	800	950	1100
Pc	800	1200	1300	1400
D	550	750	800	900



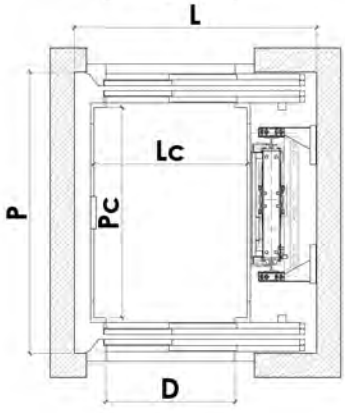
METALLIC HOISTWAY, AUTOMATIC FOLDING DOORS, Adjacent Accesses				
		♿		
Load (kg)	260	630		
L	1400	1800		
P	1150	1550		
Lc	800	1200		
Pc	800	1200		
D	650	900		



METALLIC HOISTWAY, AUTOM. FOLD. DOORS, Single Access, Car on the Back				
		♿	♿	♿
Load (kg)	260	400	480	630
L	730	1100	1250	1500
P	1800	1800	1900	1800
Lc	550	800	950	1200
Pc	1200	1200	1300	1200
D	500	750	800	900

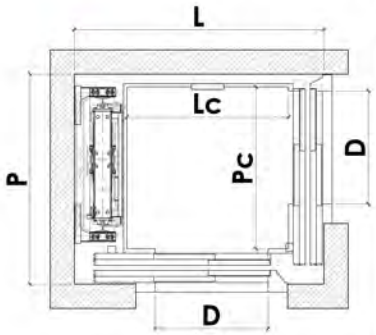


CONCRETE HOISTWAY, AUTOMATIC DOORS, Single Access				
		♿	♿	♿
Load (kg)	200	400	480	630
L	1100	1350	1500	1650
P	1150	1500	1600	1700
Lc	650	800	950	1100
Pc	850	1200	1300	1400
D	600	750	800	900

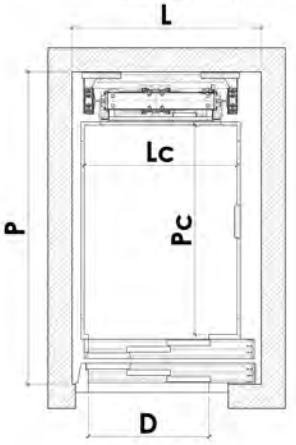


CONCRETE HOISTWAY, AUTOMATIC DOORS, Opposite Accesses				
		♿	♿	♿
Load (kg)	200	400	450	630
L	1100	1350	1500	1650
P	1290	1640	1740	1840
Lc	650	800	950	1100
Pc	850	1200	1300	1400
D	600	750	800	900

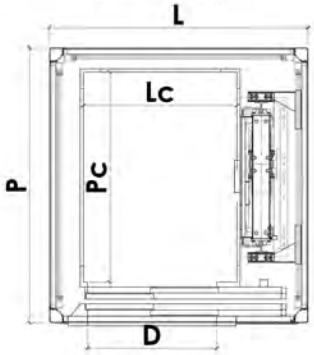
OLEO - HOISTWAY DIMENSIONS



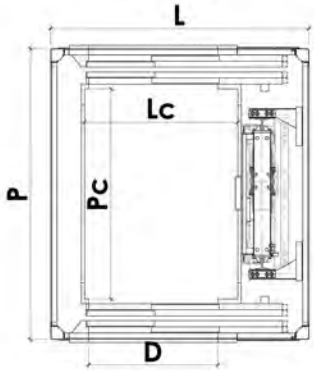
CONCRETE HOISTWAY, AUTOMATIC DOORS, Adjacent Accesses				
		♿		
Load (kg)	400	630		
L	1545	1745		
P	1300	1500		
Lc	1000	1200		
Pc	1000	1200		
D	700	800		



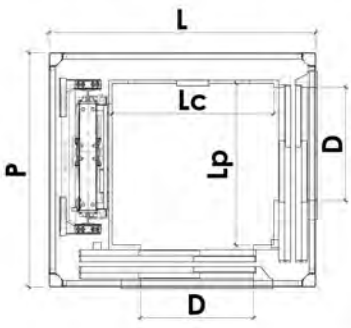
CONCRETE HOISTWAY, AUTOMATIC DOORS, Single Access, Car on the Back				
		♿		
Load (kg)	400	480		
L	1075	1175		
P	1850	1950		
Lc	800	950		
Pc	1200	1300		
D	600	750		



METALLIC HOISTWAY, AUTOMATIC DOORS, Single Access				
		♿	♿	♿
Load (kg)	200	400	480	630
L	1250	1500	1550	1700
P	1250	1600	1700	1800
Lc	650	800	950	1100
Pc	850	1200	1300	1400
D	600	750	800	900

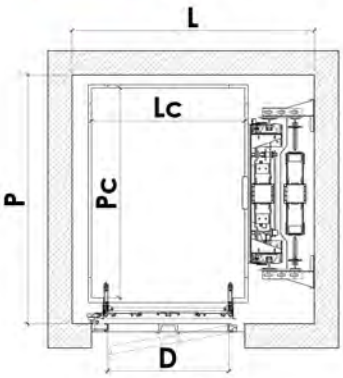


METALLIC HOISTWAY, AUTOMATIC DOORS, Opposite Accesses				
		♿	♿	♿
Load (kg)	200	400	480	630
L	1250	1500	1550	1650
P	1350	1700	1800	1900
Lc	650	800	950	1100
Pc	850	1200	1300	1400
D	600	750	800	900

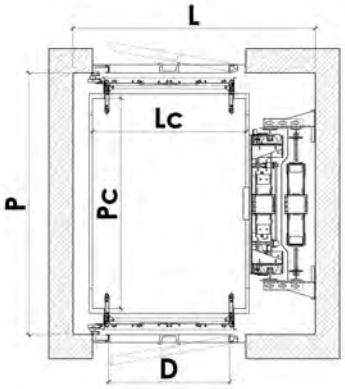


METALLIC HOISTWAY, AUTOMATIC DOORS, Adjacent Accesses				
		♿		
Load (kg)	400	630		
L	1650	1850		
P	1450	1600		
Lc	1000	1200		
Pc	1000	1200		
D	700	800		

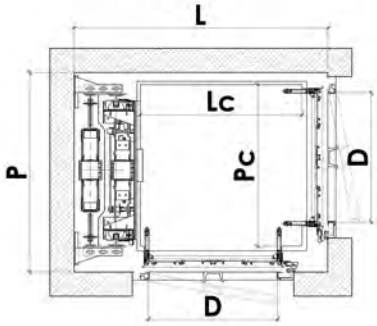
ELEKTRA MAX - HOISTW. DIMENS.



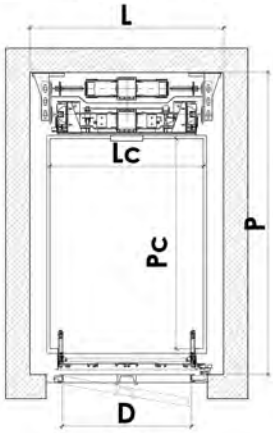
CONCRETE HOISTWAY, AUTOMATIC FOLDING DOORS, Single Access				
	♿	♿	♿	
Load (kg)	400	480	630	
L	1300	1450	1600	
P	1450	1550	1650	
Lc	800	950	1100	
Pc	1200	1300	1400	
D	750	800	900	



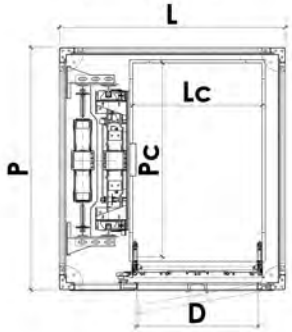
CONCRETE HOISTWAY, AUTOMATIC FOLDING DOORS, Opposite Accesses				
	♿	♿	♿	
Load (kg)	400	480	630	
L	1200	1200	1400	
P	1770	1870	1770	
Lc	800	950	1100	
Pc	1200	1300	1400	
D	750	800	900	



CONCRETE HOISTWAY, AUTOMATIC FOLDING DOORS, Adjacent Accesses				
		♿		
Load (kg)	400	630		
L	1570	1770		
P	1235	1435		
Lc	1000	1200		
Pc	1000	1200		
D	800	900		

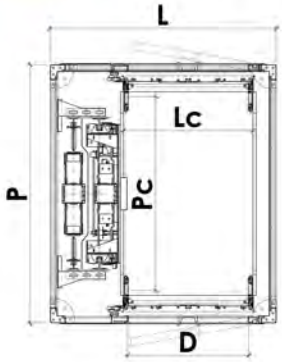


CONCRETE HOISTWAY, AUTOM. FOLD. DOORS, Single Acc., Car on the Back				
		♿	♿	♿
Load (kg)	260	400	480	630
L	1000	1000	1150	1400
P	1285	1685	1785	1685
Lc	800	800	950	1200
Pc	800	1200	1300	1200
D	750	750	800	900

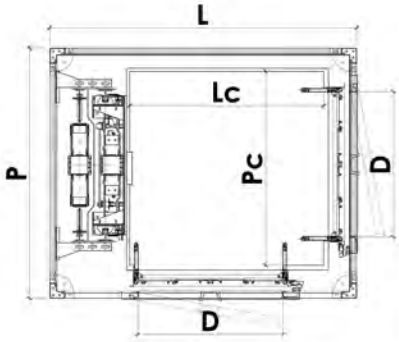


METALLIC HOISTWAY, AUTOMATIC FOLDING DOORS, Single Access				
	♿	♿	♿	
Load (kg)	400	480	630	
L	1400	1550	1700	
P	1500	1600	1700	
Lc	800	950	1100	
Pc	1200	1300	1400	
D	750	800	900	

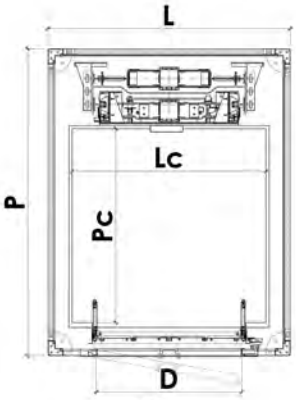
ELEKTRA MAX - HOISTW. DIMENS.



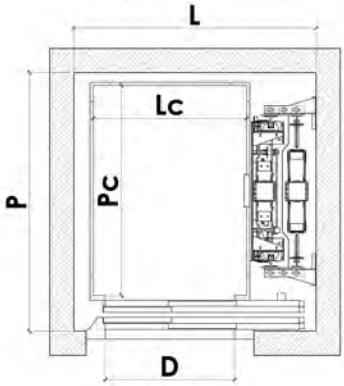
METALLIC HOISTWAY, AUTOMATIC FOLDING DOORS, Opposite Accesses				
	♿	♿	♿	
Load (kg)	400	480	630	
L	1400	1550	1700	
P	1600	1700	1800	
Lc	800	950	1100	
Pc	1200	1300	1400	
D	750	800	900	



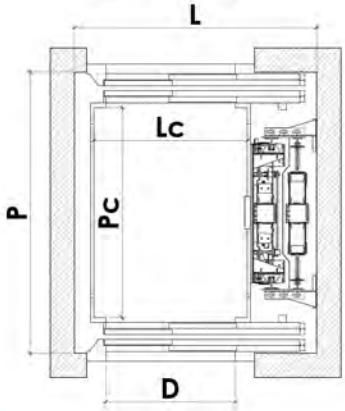
METALLIC HOISTWAY, AUTOMATIC FOLDING DOORS, Adjacent Accesses				
	♿			
Load (kg)	630			
L	1900			
P	1550			
Lc	1200			
Pc	1200			
D	900			



METALLIC HOISTWAY, AUTOM. FOLD. DOORS, Single Access, Car on the Back				
	♿	♿		
Load (kg)	480	630		
L	1350	1500		
P	1900	1900		
Lc	950	1200		
Pc	1300	1200		
D	800	900		

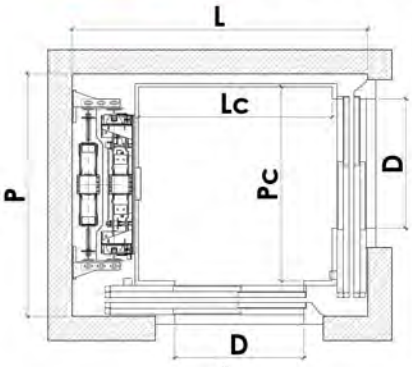


CONCRETE HOISTWAY, AUTOMATIC DOORS, Single Access				
	♿	♿	♿	
Load (kg)	400	480	630	
L	1350	1500	1650	
P	1500	1600	1700	
Lc	800	950	1100	
Pc	1200	1300	1400	
D	750	800	900	

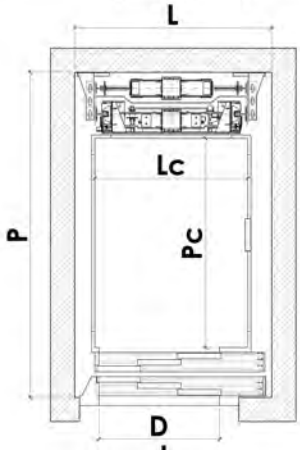


CONCRETE HOISTWAY, AUTOMATIC DOORS, Opposite Accesses				
	♿	♿	♿	
Load (kg)	400	480	630	
L	1350	1500	1650	
P	1650	1740	1840	
Lc	800	950	1100	
Pc	1200	1300	1400	
D	750	800	900	

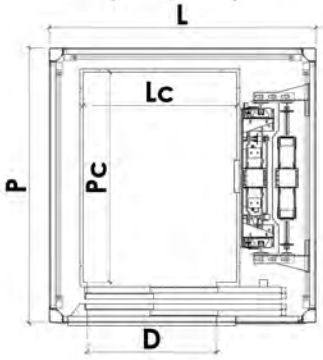
ELEKTRA MAX - HOISTW. DIMENS.



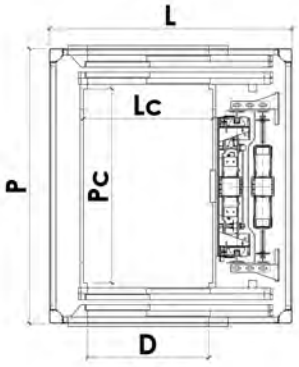
CONCRETE HOISTWAY, AUTOMATIC DOORS, Adjacent Accesses				
	♿	♿		
Load (kg)	400	630		
L	1630	1830		
P	1300	1500		
Lc	1000	1200		
Pc	1000	1200		
D	700	800		



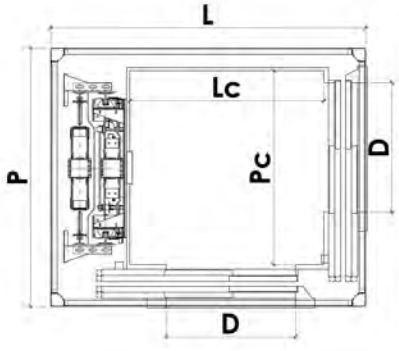
CONCRETE HOISTWAY, AUTOMATIC DOORS, Single Access, Car on the Back				
		♿		
Load (kg)	400	480		
L	1080	1180		
P	1950	2050		
Lc	800	950		
Pc	1200	1300		
D	600	750		



METALLIC HOISTWAY, AUTOMATIC DOORS, Single Access				
	♿	♿	♿	
Load (kg)	400	480	630	
L	1500	1600	1700	
P	1600	1700	1800	
Lc	800	950	1100	
Pc	1200	1300	1400	
D	750	800	900	



METALLIC HOISTWAY, AUTOMATIC DOORS, Opposite Accesses				
	♿	♿	♿	
Load (kg)	400	480	630	
L	1500	1600	1650	
P	1700	1800	1900	
Lc	800	950	1100	
Pc	1200	1300	1400	
D	750	800	900	



METALLIC HOISTWAY, AUTOMATIC DOORS, Adjacent Accesses				
		♿		
Load (kg)	400	630		
L	1750	1950		
P	1450	1600		
Lc	1000	1200		
Pc	1000	1200		
D	700	800		

VIPAL spa

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