

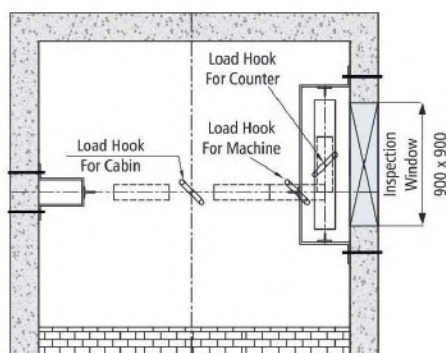


**Efficient,
Comfortable &
Reliable Elevator**

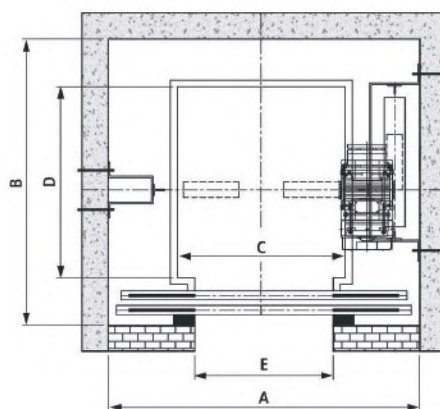


Minimum Space. Maximum value !

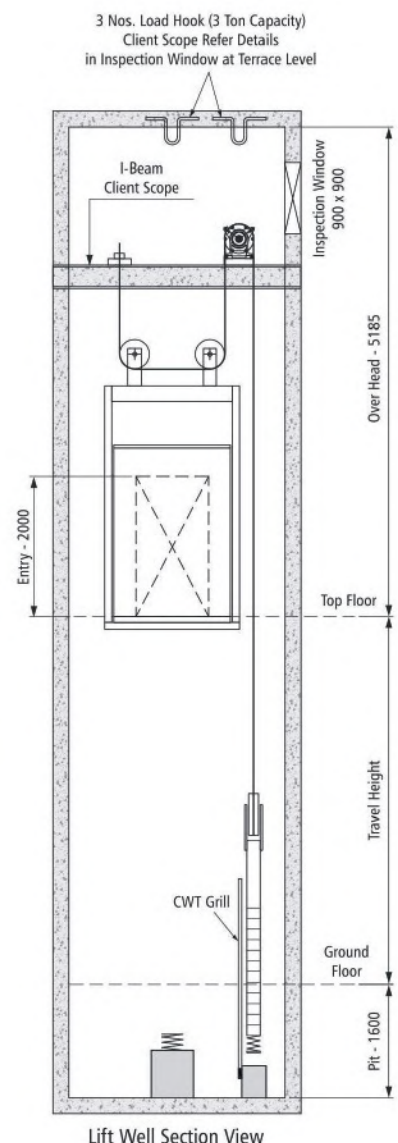
In order to know the concept of environmental protection, energy saving, saving building area, improve the degree of freedom in design is the responsibility of the Smooth Elevators without machine room, fully reflects the green spirit of humanity, the elevator needs only one dependent well space, without room, with the same load weight level than conventional elevators, saving energy & save construction area.



Inspection Window at Terrace Level



Lift Well Plan



Capacity		Lift Well		Cabin Inside		Entry
Person	Kgs	A	B	C	D	E
5	340	1600	1500	920*	1050	700
6	480	1650	1600	970*	1130	700
8	544	1850	1700	1120	1280	800
10	680	2000	1850	1270	1380	800
13	884	2100	2600	1070	2100	800/900
15	1020	2100	3000	1070	2400	800/900
20	1360	2300	3000	1320	2400	900/1000
26	1768	2450	3000	1620	2400	900/1000

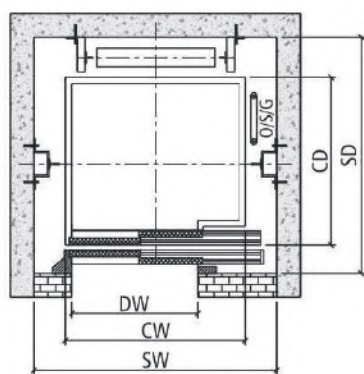
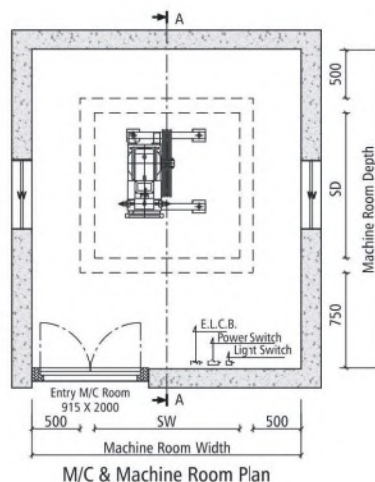
Traction Elevator

Machine Room Elevator

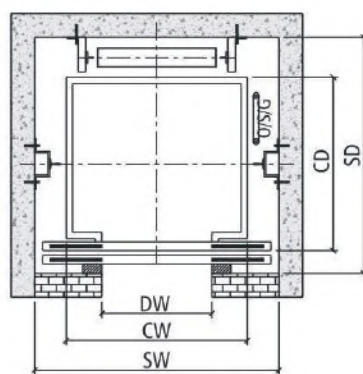
"Best in Class"

Ride quality on every equipment

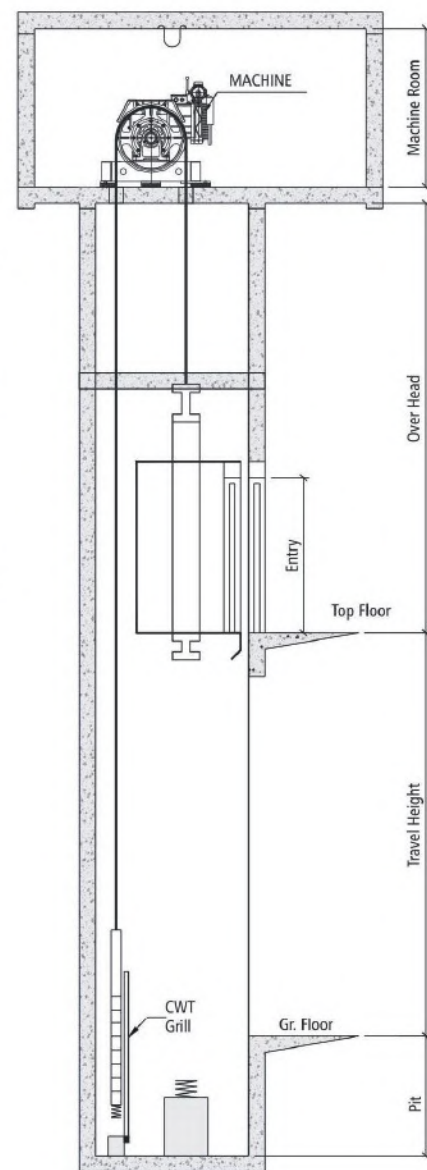
Machine Room Passenger Elevator is one of most popular product in both private and public Sectors. The high-quality lift is tailor-made for low and medium-rise buildings, including Corporate Towers, Residential Apartments, Hotels, etc. The product range is identified with numerous salient features, including efficiency, low noise, and maintenance.



Telescopic Autodoor



Center Opening Autodoor



Lift Well Section - AA

Dimensions for passenger Elevator (Machine Room)

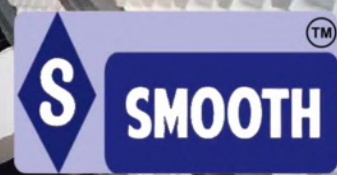
Load		Elevator Shaft		Car Platform		Car Inside		Ent. Rance	Speed MPS	Machine Room		Pit Depth	Over Head	Car Inside Sq.mtr
Person	Kg	W	D	W	D	W	D			W	D			
6	408	1650	1600	1250	1100	1190	950	700	1.0/1.5	4350	3550	1600	4800	1.13
8	544	1800	1700	1400	1200	1340	1050	800	1.0/1.5	4500	3550	1600	4800	1.40
	544	1800	1700	1400	1200	1340	1050	800	2.0/2.5	4500	3550	2500	5350	1.40
10	680	1800	1900	1400	1450	1340	1300	800	1.0/1.5	4500	3850	1600	4800	1.74
	680	1800	1900	1400	1450	1340	1300	800	2.0/2.5	4500	3850	2500	5200	1.74
13	884	2000	2200	1600	1600	1540	1450	900	1.0/1.5	4700	4150	1600	4800	2.23
	884	2000	2200	1600	1600	1540	1450	900	2.0/2.5	4700	4150	2500	6000	2.23
16	1088	2200	2300	1800	1700	1740	1550	1000	1.0/1.5	4900	4250	1622	4800	2.69
	1088	2200	2300	1800	1700	1740	1550	1000	2.0/2.5	4900	4250	2500	6000	2.69
20	1360	2200	2600	1800	1950	1740	1800	1000	1.0/1.5	4900	4550	1800	4800	3.13
	1360	2200	2600	1800	1950	1740	1800	1000	2.0/2.5	4900	4550	2500	6000	3.13
26	1768	2800	2600	2300	1850	2240	1700	1200	1.0/1.5	5500	4550	2000	4800	3.80
	1768	2800	2600	2300	1850	2240	1700	1200	2.0/2.5	5500	4550	2500	6000	3.80

➤ All dimension are in mm.

➤ This is general data, it may be changed without notice for more details contact us.

➤ All hoist way walls should be minimum 230 mm brick or 150 mm R.C.C.

Smooth Operation Comfortable Travel



Capsule Elevator

Panoramic Elevator

Our premium capsule elevators fast and highly cost-effective way to create a full-glass elevator solution for your building. There are multiple car models to choose from, as well as a wide range of interior design options and other customization possibilities.



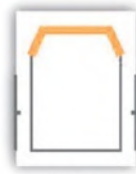
Rear Side



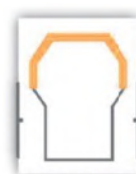
Semi-circular



3 Side Square

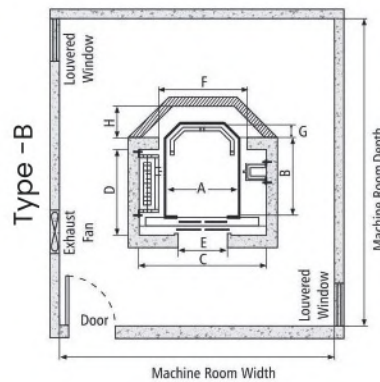
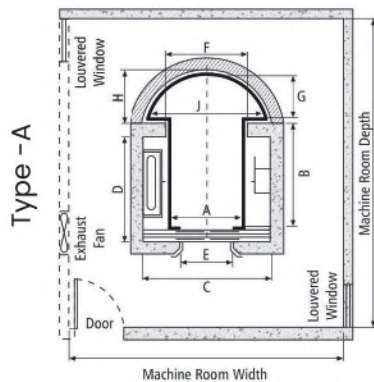


3 Side Cutting Edge



5 Side Cutting Edge

Hoistway Elevation Plan

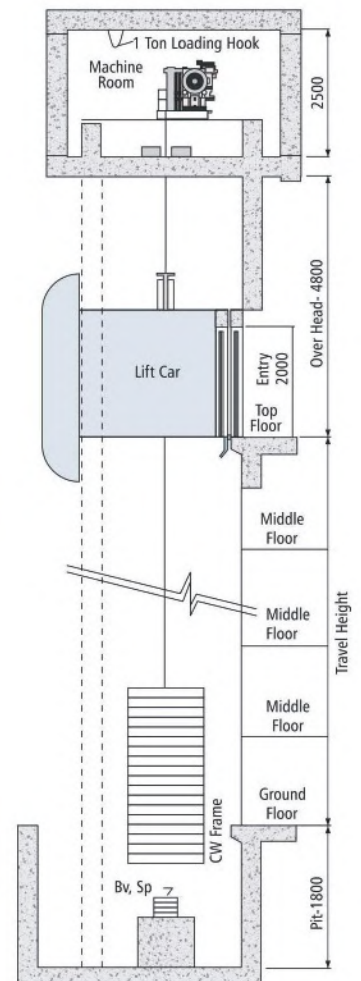


Type - A

Load		Car Inside				Lift Well				Entrance
Person										
10	680	1100	1300	1400	650	2200	1325	1330	1100	800
13	884	1200	1400	1550	700	2400	1425	1430	1100	900
16	1088	1300	1500	1700	750	2800	1530	1530	1200	1000

Type - B

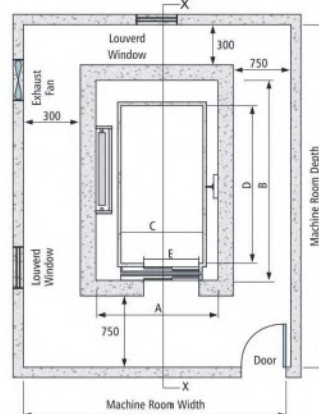
Load		Car Inside			Lift Well				Entrance
Person	Kgs.	A	B	G	C	D	F	H	E
10	680	1250	1300	250	2200	1450	1480	580	800
13	884	1400	1400	300	2400	1550	1630	650	900
16	1088	1550	1500	350	2800	1780	1650	790	1000



Structure Elevator

Hospital Elevators are available in a wide variety, capable of carrying between 15 to 26 passengers at a time. These elevators usually feature center-opening, telescopic power-operated doors and easy touse for people.

Intellectual Control



The diagram illustrates a vertical lift system with the following components and dimensions:

- Machine Room:** Located at the top, containing a **1 Ton Loading Hook** and a motor. The height from the top of the shaft to the bottom of the machine room is **2500**.
- Lift Car:** A blue rectangular car that moves vertically. The height from the **Top Floor** to the bottom of the car is **Entry 2000**.
- Over Head:** The distance from the top of the shaft to the top of the lift car is **Over Head- 5000**.
- Travel Height:** The total height of the shaft from the **Top Floor** to the **Ground Floor** is labeled **Travel Height**.
- Ground Floor:** The bottom of the shaft, where the **C/W Frame** (Cable Way Frame) is located. The height from the **Ground Floor** to the bottom of the shaft is **Pit-1800**.
- Other Labels:** **Top Floor**, **Entry 2000**, **C/W Frame**, **Bu, Sp** (Buffer Stop).

Person	Capacity	Shaft-W	Shaft-D	Car-W	Car-D	Entrance
	Kg	A	B	C	D	E
15	1020	1900	3000	1000	2400	800
20	1360	2300	3000	1300	2400	900
26	1768	2600	3000	1600	2400	1000

Person	Capacity	Shaft-W	Shaft-D	Car-W	Car-D	Entrance
	Kg	A	B	C	D	E
15	1020	1700	3000	1000	2400	800
20	1360	1950	3000	1300	2400	900
26	1768	2100	3000	1600	2400	1000

Section: X-X -Lift Well

Goods Elevator

(Freight Elevator)

Bear any heavy load at ease, easy transport

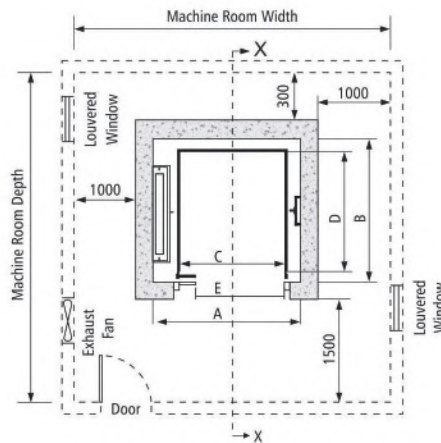
The elevator is custom-designed to move goods vertically, to multiple floors. Our excellence-driven goods lift is manufactured using high grade material and latest technology.



Highly accurate flat layer more secure



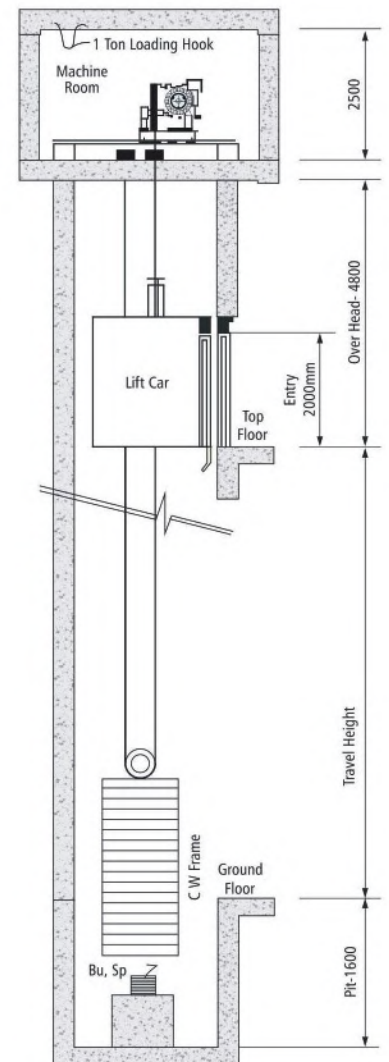
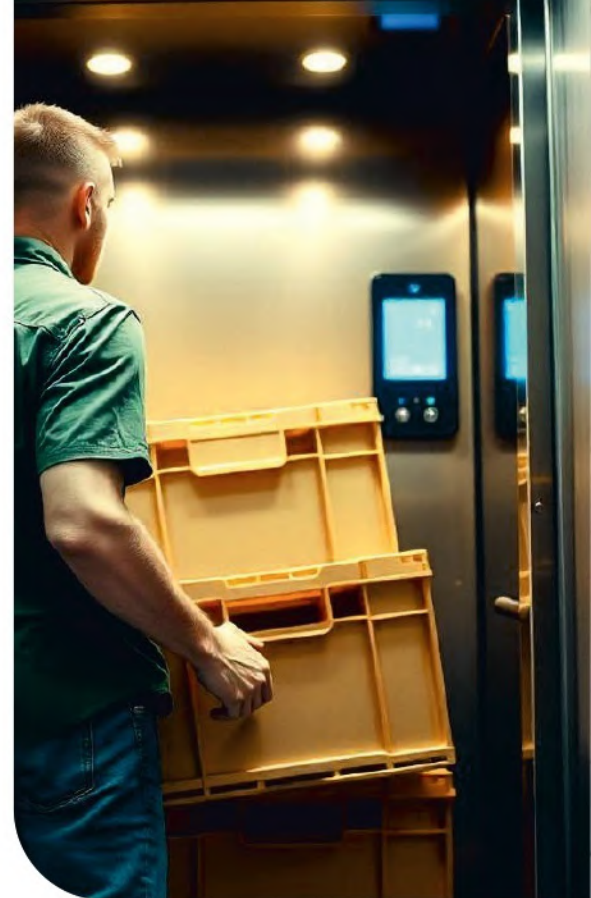
Lift car structure being sturdy and durable



Lift Shaft, Car, C.W. & Machine Room Plan

Capacity	Shaft-W	Shaft-D	Car-W	Car-D	Entrance	Load Kg	Speed MPS	Pit Depth	Over Head
Kgs.	(A)	(B)	(C)	(D)	(E)				
500	1900	1500	1100	1200	900	500	0.3	1600	4800
1000	2300	2100	1400	1800	1150	3000	1.0		
1500	2600	2300	1700	2000	1400				
2000	2600	2800	1700	2500	1400				
3000	2900	3300	2000	3000	1700	4000	0.3	2200	7400
4000	3400	3400	2500	3000	1900	5000	0.5		
5000	3500	4300	2500	3600	1900				

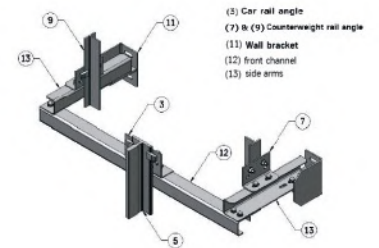
- All dimensions in min.
- These dimensions are based on vertical bi-parting doors, it may vary for collapsible or automatic door operation..





Guide Rail

A guide rail is a track or rail that helps guide an elevator car's operation.



It provides a path for the elevator to ascend and descend. The guide shoe is the component that comes into contact with the guide rail and the car.



Elevator Bracket

Guide rail bracket for supporting the guide rail on the building, which guide rail bracket comprises a frame, a mounting base and means for pressing the guide rail against the mounting base, wherein the guide rail bracket comprises means for fixing the mounting base to the frame of the guide rail bracket movably in the longitudinal direction of the guide rail.



Elevator Hardware

When discussing nut and bolt sizes, it is not only important to understand the differences between inch and metric fasteners, but to also understand which measurements are essential to determining the sizes of the nuts and bolts you need for your applications.



Gearless Machine



Green Integrated Engineering

A combination of latest technology and engineering. It's an energy-efficient machine, consumes less power, and requires less space for installation.



Save Energy



Low Noise



Comfortable



Gearless Machine



Gearless Machine



Gearless Machine



Gearless Machine



Gearless Traction Machine



Belt Drive Machine



Geared Machine

Outstanding **Power**
and **Performance**



Geared Traction Machine



Geared Traction Machine



Geared Traction Machine

Lift Duty Reduction Gear Machine Units

Machines are specially designed for various application such as speed and capacity with rigid & rugged reliability, smooth trouble free operation. Use standard worm and worm gears with taper roller bearings and thrust bearing in machine for maximum load carrying capacity. The perfect lubrication system gives longer life and smooth operation. The machine are mounted on special type of rubbers which have extra ordinary dumping capacity, due to this characteristic, the machine runs vibration free.



Geared Traction Machine



Geared Traction Machine

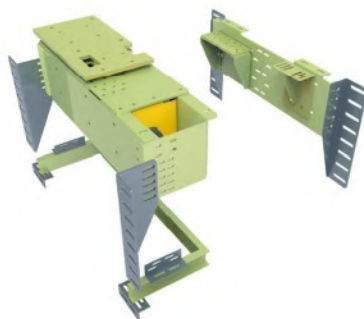


Geared Traction Machine



Elevator Machine base

- Easy to Install
- No grouting required
- No fabrication required





WILL ALWAYS RISE ABOVE



Small Vision

S.S Center Opening Autodoor - 2 Panel

SR No	Clear Opening (W x H) (mm)	Car Door						Landing Door					
		Door Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Width Header (mm)	Total Height Header (mm)	Door Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Width Header (mm)	Total Height Header (mm)
1	600x2000	320	2100	55x1250	100x295	1300	2520	320	2010	55x1250	100x295	1350	2265
2	700x2000	370	2100	55x1450	100x295	1460	2520	370	2010	55x1450	100x295	1490	2265
3	800x2000	420	2100	55x1650	100x295	1660	2520	420	2010	55x1650	100x295	1690	2265
4	900x2000	470	2100	55x1850	100x295	1860	2520	470	2010	55x1850	100x295	1890	2265
5	1000x2000	520	2100	55x2050	100x295	2060	2520	520	2010	55x2050	100x295	2090	2265



Half Glass Vision

S.S Center Opening Autodoor - 2 Panel

SR No	Clear Opening (W x H) (mm)	Car Door						Landing Door					
		Door Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Width Header (mm)	Total Height Header (mm)	Door Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Width Header (mm)	Total Height Header (mm)
1	600x2000	320	2100	55x1250	200x950	1300	2520	320	2010	55x1250	200x950	1350	2265
2	700x2000	370	2100	55x1450	250x950	1460	2520	370	2010	55x1450	250x950	1490	2265
3	800x2000	420	2100	55x1650	300x950	1660	2520	420	2010	55x1650	300x950	1690	2265
4	900x2000	470	2100	55x1850	350x950	1860	2520	470	2010	55x1850	350x950	1890	2265
5	1000x2000	520	2100	55x2050	400x950	2060	2520	520	2010	55x2050	400x950	2090	2265



Big Glass Vision

S.S Center Opening Autodoor - 2 Panel

SR No	Clear Opening (W x H) (mm)	Car Door						Landing Door					
		Door Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Width Header (mm)	Total Height Header (mm)	Door Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Width Header (mm)	Total Height Header (mm)
1	600x2000	320	2100	55x1250	200x1755	1300	2520	320	2010	55x1250	200x1755	1350	2265
2	700x2000	370	2100	55x1450	250x1755	1460	2520	370	2010	55x1450	250x1755	1490	2265
3	800x2000	420	2100	55x1650	300x1755	1660	2520	420	2010	55x1650	300x1755	1690	2265
4	900x2000	470	2100	55x1850	350x1755	1860	2520	470	2010	55x1850	350x1755	1890	2265
5	1000x2000	520	2100	55x2050	400x1755	2060	2520	520	2010	55x2050	400x1755	2090	2265

Telescopic Autodoor



Small Vision

S.S Telescopic Autodoor – 2 Panel

SR No	Clear Opening (W x H) (mm)	Car Door						Landing Door					
		Door Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Width Header (mm)	Total Height Header (mm)	Door Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Width Header (mm)	Total Height Header (mm)
1	600x2000	320	2100	90x940	100x295	1030	2580	320	2100	90x940	100x295	1000	2295
2	700x2000	370	2100	90x1090	100x295	1180	2580	370	2100	90x1090	100x295	1180	2295
3	800x2000	420	2100	90x1240	100x295	1330	2580	420	2100	90x1240	100x295	1300	2295
4	900x2000	470	2100	90x1390	100x295	1480	2580	470	2100	90x1390	100x295	1450	2295
5	1000x2000	520	2100	90x1540	100x295	1580	2580	520	2100	90x1540	100x295	1550	2295



Half Glass Vision

S.S Telescopic Autodoor – 2 Panel

SR No	Clear Opening (W x H) (mm)	Car Door						Landing Door					
		Door Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Width Header (mm)	Total Height Header (mm)	Door Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Width Header (mm)	Total Height Header (mm)
1	600x2000	320	2100	90x940	200x950	1030	2580	320	2100	90x940	200x950	1000	2295
2	700x2000	370	2100	90x1090	250x950	1180	2580	370	2100	90x1090	250x950	1180	2295
3	800x2000	420	2100	90x1240	300x950	1330	2580	420	2100	90x1240	300x950	1300	2295
4	900x2000	470	2100	90x1390	350x950	1480	2580	470	2100	90x1390	350x950	1450	2295
5	1000x2000	520	2100	90x1540	400x950	1580	2580	520	2100	90x1540	400x950	1550	2295



Big Glass Vision

S.S Telescopic Autodoor – 2 Panel

SR No	Clear Opening (W x H) (mm)	Car Door						Landing Door					
		Door Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Width Header (mm)	Total Height Header (mm)	Door Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Width Header (mm)	Total Height Header (mm)
1	600x2000	320	2100	90x940	200x1755	1030	2580	320	2100	90x940	200x1755	1000	2295
2	700x2000	370	2100	90x1090	250x1755	1180	2580	370	2100	90x1090	250x1755	1180	2295
3	800x2000	420	2100	90x1240	300x1755	1330	2580	420	2100	90x1240	300x1755	1300	2295
4	900x2000	470	2100	90x1390	350x1755	1480	2580	470	2100	90x1390	350x1755	1450	2295
5	1000x2000	520	2100	90x1540	400x1755	1580	2580	520	2100	90x1540	400x1755	1550	2295





Manual Telescopic header



2 Panel

Manual Telescopic Door (M.S. Powder Coated)

SR No	Clear Opening (W x H) (mm)	Car Door					Landing Door				
		P1/P2 Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Height With Header (mm)	P1/P2 Width (mm)	Door Height (mm)	Vision Size (mm)	Sill (mm)	Total Height Header (mm)
1	600x2000	370/320	2005	115x1050	110x770	2290	370/320	2005	110x770	115x1050	2290
2	700x2000	420/370	2005	115x1200	110x770	2290	420/370	2005	110x750	115x1200	2290
3	800x2000	470/420	2005	115x1350	110x770	2290	470/420	2005	110x750	115x1350	2290
4	900x2000	520/470	2005	115x1500	110x770	2290	520/470	2005	110x750	115x1500	2290
5	1000x2000	570/520	2005	115x1650	110x770	2290	570/520	2005	110x750	115x1650	2290
6	1200x2000	670/620	2005	115x1950	110x770	2290	670/620	2005	110x750	115x1950	2290



3 Panel

Manual Telescopic Door (M.S. Powder Coated)

SR No	Clear Opening (W x H) (mm)	Car Door					Landing Door				
		P1/P2/P3 Width (mm)	Door Height (mm)	Sill (mm)	Vision Size (mm)	Total Height With Header (mm)	P1/P2/P3 Width (mm)	Door Height (mm)	Vision Size (mm)	Sill (mm)	Total Height With Header (mm)
1	600x2000	270/220/220	2005	125x950	110x770	2315	270/220/220	2005	110x770	125x950	2315
2	700x2000	303/253/253	2005	125x1075	110x770	2315	303/253/253	2005	110x750	125x1075	2315
3	800x2000	337/287/287	2005	125x1200	110x770	2315	337/287/287	2005	110x750	125x1200	2315
4	900x2000	370/320/320	2005	125x1325	110x770	2315	370/320/320	2005	110x750	125x1325	2315
5	1000x2000	403/353/353	2005	125x1450	110x770	2315	403/353/353	2005	110x750	125x1450	2315
6	1200x2000	470/420/420	2005	125x1700	110x770	2315	470/420/420	2005	110x750	125x1700	2315

Manual IFG Collapsible & swing Door



IFG Door

Manual Imperforate Door

SR No	Clear Opening (W x H) (mm)	Car Door					Landing Door				
		Door Width (mm)	Door Height (mm)	Sill (mm)	Total Height With Frame (mm)	Total Height With Frame (mm)	Door Width (mm)	Door Height (mm)	Sill (mm)	Total Height With Frame (mm)	Total Height With Frame (mm)
1	690x2000	220	2085	95x910	1110	2240	220	2085	95x910	1110	2240
2	855x2000	245	2085	95x1100	1300	2240	245	2085	95x1100	1300	2240
3	930x2000	270	2085	95x1200	1400	2240	270	2085	95x1200	1400	2240
4	1005x2000	295	2085	95x1300	1500	2240	295	2085	95x1300	1500	2240



Collapsible Door

Manual Collapsible Door

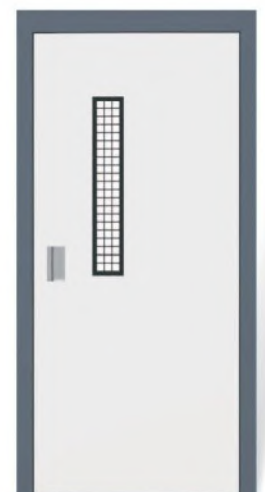
SR No	Clear Opening (W x H) (mm)	Car Door					Landing Door				
		Door Width (mm)	Door Height (mm)	Sill (mm)	Total Height With Frame (mm)	Total Height With Frame (mm)	Door Width (mm)	Door Height (mm)	Sill (mm)	Total Height With Frame (mm)	Total Height With Frame (mm)
1	700x2000	210	2150	95x910	1010	2240	210	2150	95x910	1010	2240
2	800x2000	250	2150	95x1050	1150	2240	250	2150	95x1100	1150	2240
3	900x2000	300	2150	95x1200	1300	2240	300	2150	95x1200	1300	2240
4	1000x2000	350	2150	95x1350	1450	2240	350	2150	95x1300	1450	2240



Swing Door

Normal Offset Glass Swing Door

SR No	Clear Opening (W x H) (mm)	Car Door				Landing Door			
		Door Width (mm)	Vision Size (W x H) (mm)	Total Height With Frame (mm)	Total Height With Frame (mm)	Door Width (mm)	Vision Size (W x H) (mm)	Total Height With Frame (mm)	Total Height With Frame (mm)
1	700x2000	830	110x730	980	2100	830	110x730	980	2100
2	800x2000	930	110x730	1080	2100	930	110x730	1080	2100
3	900x2000	1030	110x730	1180	2100	1030	110x730	1180	2100





Ceiling

DE-C1



DE-C2



DE-C3



DE-C4



DE-C5



DE-C6



DE-C7



DE-C8



DE-C9



DE-C10



Handrails

DE-H1



DE-H2



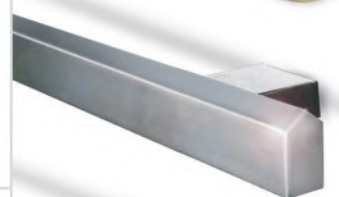
DE-H3



DE-H4



DE-H5



DE-H6



Flooring Carpent Design & Tiles

PVC
Flooring-01



PVC
Flooring-02



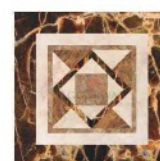
PVC
Flooring-03



PVC
Flooring-04



PVC
Flooring-05



Marble
Flooring-01



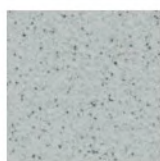
Marble
Flooring-02



Marble
Flooring-03



PVC Flooring
Mat-Grey



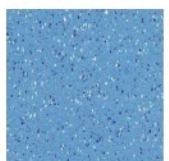
Aluminum
Cheker Plate



M.S. Checker
Plate



PVC Flooring
Mat-Blue



Car Design Example



Create the look and feel you like. Combine colors, materials, lighting, mirrors, handrails and fixtures to achieve the ambiance that fits both your ideas and your building.

Choose from one of our four interior design lines or design the whole car to your own taste.

Golden Designer Sheet



DE-100 Gold



DE-200 Gold



DE-300 Gold



DE-400 Gold



DE-500 Gold

DE-01

Ceiling : S.S. , Acrylic on Tap, LED Light.

Car Wall : S.S.Design, Mirror.

Handrail : N/A



DE-02

Ceiling : S.S. Dual Black, Acrylic On Top, LED Light.

Car Wall : S.S. Design, Dual Mirror

Handrail : N/A



DE-03

Ceiling : S.S. Mirror, Acrylic on Tap, LED Light.

Car Wall : S.S. Mirror, S.S. Silver Design and S.S. Hairline.

Handrail : S.S. Handle



DE-04

Ceiling : S.S. Hairline Finish, LED Lights.

Car Wall : S.S. Golden Design. S.S. Hairline S.S. Minor.

Handrail : S.S. Round Handle





Car Design Example

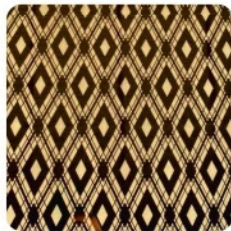
Create the look and feel you like. Combine colors, materials, lighting, mirrors, handrails and fixtures to achieve the ambiance that fits both your ideas and your building.

Choose from one of our four interior design lines or design the whole car to your own taste.

Golden Designer Sheet



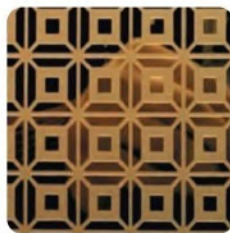
DE-600 Gold



DE-700 Gold



DE-800 Gold



DE-900 Gold



DE-1000 Gold

DE-05

Ceiling : S.S. Rose Gold Designer Cabin, S.S. Hairline Finish, LED Lights.
Car Wall : S.S. Rose Gold Designer Cabin, S.S. Hairline, Mirror.
Handrail : S.S. Round Handle



DE-06

Ceiling : S.S. Hairline, LED Light.
Car Wall : S.S. Hairline, S.S. Mirror.
Handrail : S.S. Handle



DE-07

Ceiling : S.S. Mirror, LED Light.
Car Wall : S.S. Mirror, S.S. Silver Design Sheet.
Handrail : S.S. Handle



DE-08

Ceiling : S.S. Hairline, Acrylic on Tap, LED Lights.
Car Wall : S.S. Mirror, S.S. Silver Design and S.S. Hairline.
Handrail : S.S. Handle



Designs Lines, Colors & Materials. Designs That Speaks to Your Senses.

Silver Designer Sheet



DE-300 Silver



DE-400 Silver



DE-500 Silver



DE-600 Silver



DE-700 Silver

DE-09

Ceiling : M.S Powder Coated,
Acrylic on Tap, LED Light.
Car Wall : M.S Powder Coated, S.S. Hairline,
Half Mirror Glass.
Handrail : S.S. Handle



DE-10

Ceiling : M.S Powder Coated,
LED Light.
Car Wall : M.S Powder Coated.
Handrail : S.S. Handle



DE-11

Ceiling : M.S Powder Coated,
LED Light.
Car Wall : M.S Powder Coated.
Handrail : S.S. Handle



DE-12

Ceiling : Wooden Design,
LED Lights.
Car Wall : M.S Powder Coated,
Wooden Design, S.S. Minor.
Handrail : S.S. Handle



Cop & Lop

Car Operating Panel & Landing Operating Panel

DE COP - 01



DE LOP - 01



DE COP - 02



DE LOP - 02



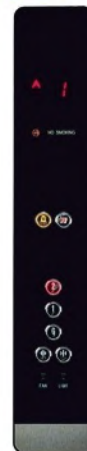
DE COP - 03



DE LOP - 03



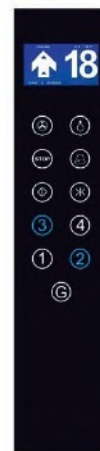
DE COP - 04



DE LOP - 04



DE COP - 05



DE LOP - 05



RFID & Push Talk



Digital Display





feature a wide variety of operating panels for lifts with great flexibility in special construction.

Elegant Design. Easy to Operate, An Invitation to Passenger Control.

DE COP - 06



DE LOP - 06



DE COP - 07



DE LOP - 07



DE COP - 08



DE LOP - 08



DE COP - 09



DE LOP - 09



DE COP - 10



DE LOP - 10



Push Button



Controller

The Safe and More Energy-Saving Integrated Control

Energy- efficient and simple to use: our panels put you in control over you relelevator systems.

SMOOTH has been installing and servicing elevators for more than a decade SMOOTH bring Millennium most advanced energy saving VVVF elevator system with highly sophisticated Microprocessor based Pulse Width Modulation (PWM) technology. DIVINE complete integrated VVVF control system ensures best return of cost.



Uninterrupted Power System



Automatic Rescue Device



MR Gearless Parallel Monoblock Elevator Controller Panel



Integrated Drive



Elevator Geared Controller



Elevator Geared Controller



Monarch Integrated Controller



Goods Lift Controller

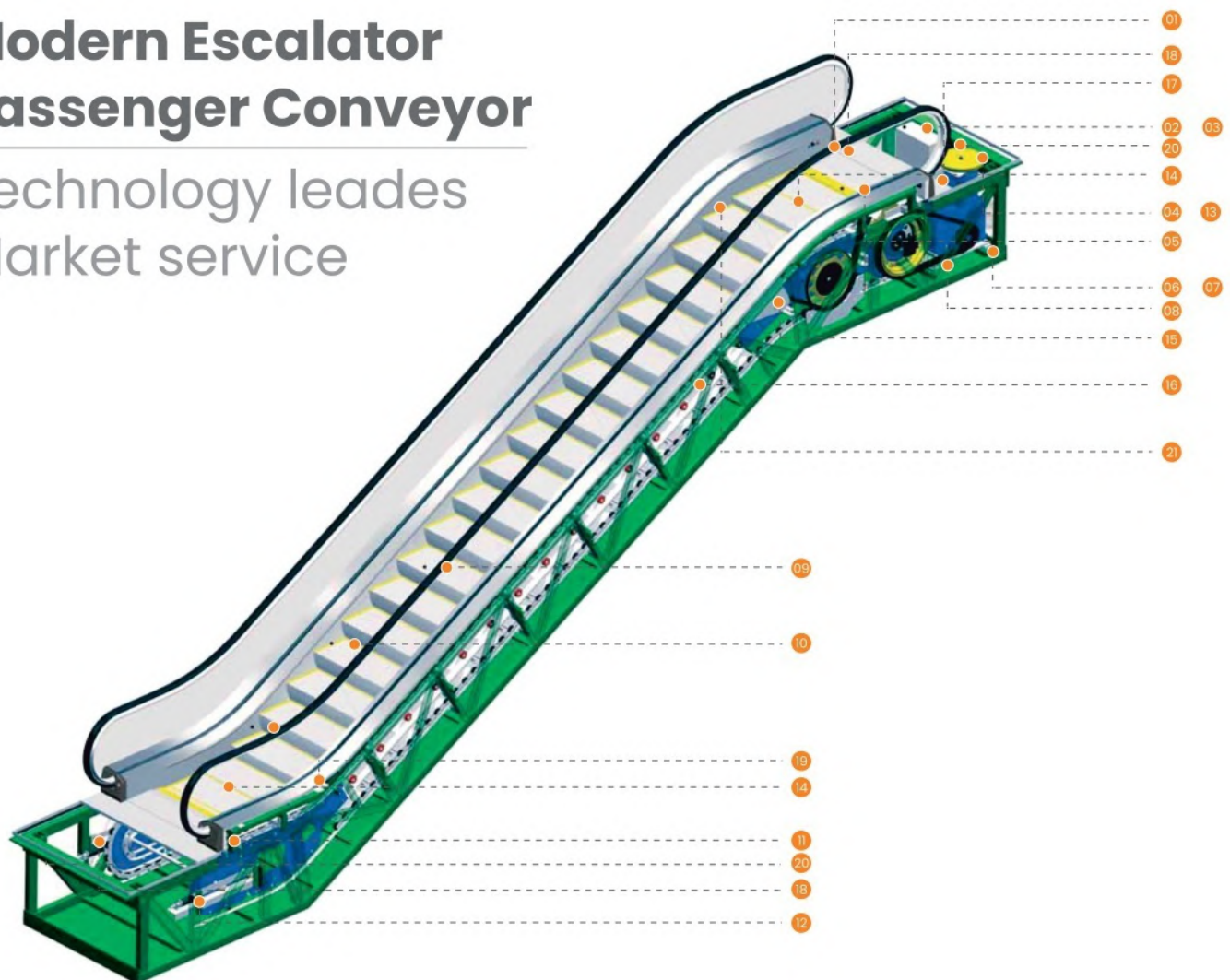


Hydraulic Controller



Modern Escalator Passenger Conveyor

Technology leads
Market service

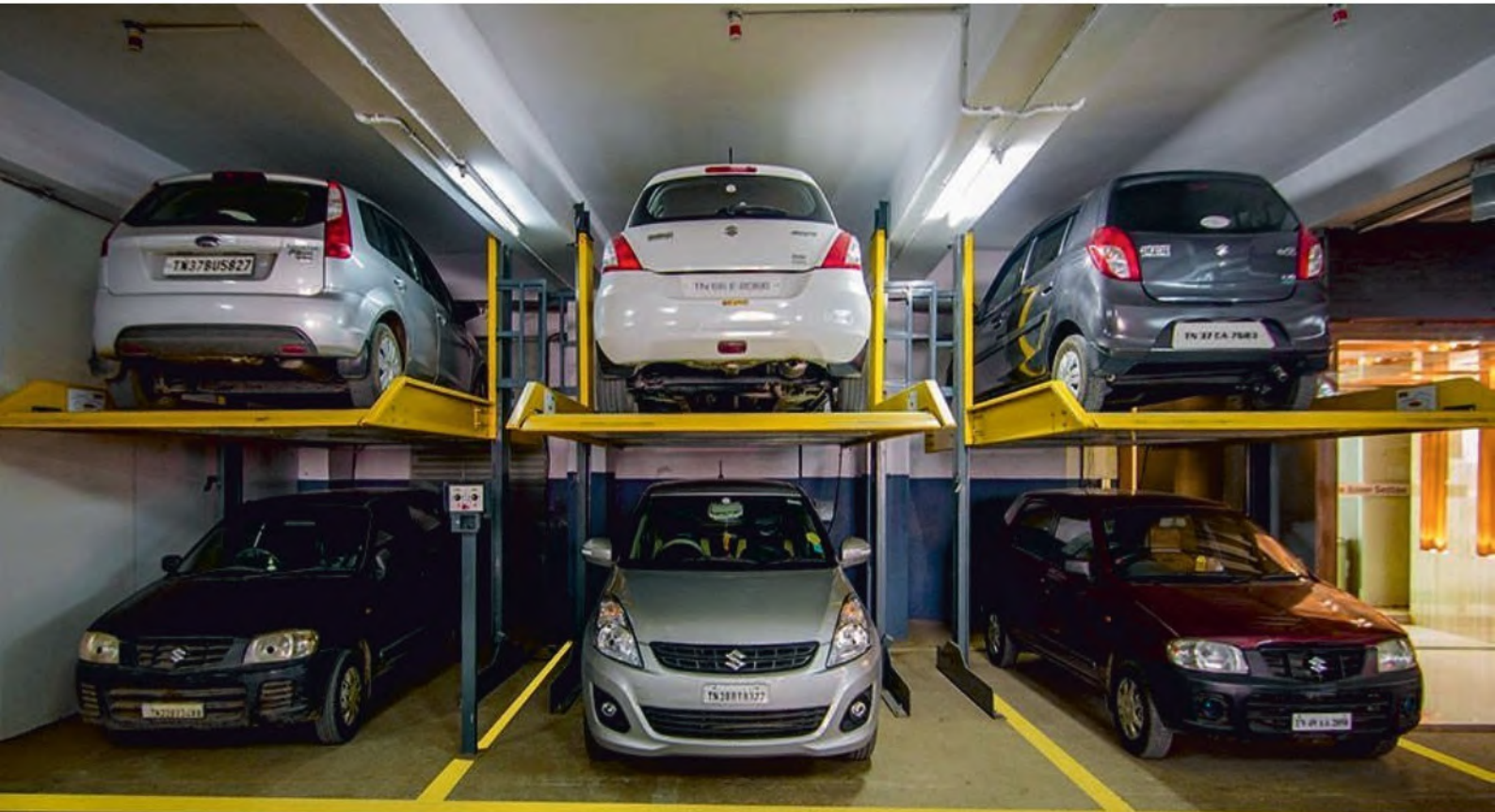




STACK PARKING – Electromechanical				
Model		SEM210	SEM220	SEM230
Parking Capacity		2 Cars		
Machine Specification	Platform Length		3850	
	Platform Width	2100	2200	2300
	Max. Loading Capacity	2000Kg		
Lifing	Lifting Mechanism	Geared Motor with Chain Sprocket mechanism		
	Geared Motor power	15kw		
	Up/Down Speed	30sec		
Safety Devices	Spring return Key Lock Switch			
	Electromagnetic brake			
	Bottom car Sensor			
	Emergency Stopper			
	Wheel Stopper			
IP Rating	Controlpanel, Sensor's, Limitswitch and Operating panel are of IP65 protection			
Electric Power	3ph, AC 4tsv, SOHZ			
Available Car Dimensions	Length (max)	Width (Min-Max)	Height (max)	Weight (max)
Sedan	5000	1800-2000	1500	2000kg
SUV	5000	1800-2000	2000	2000kg
Tall Boy	5000	1800-2000	1700	2000kg
Note : The Available Car Dimension width changes according to the Platform width				
Product Type	Combination Type	Required Clear Height	Lower	Upper
	Sedan + Sedan	3500	1600	1550
	SUV + Sedan	3800	2100	1550
	SUV + Tall Boy	4000	2100	1700
	SUV +SUV	4250	2100	2050



- Available Platform width Ranges from 2100mm to 2300mm according to Customer requirements and space constraints
- The Open area parking system should have a weather covering over the installation to prevent Malfunctioning of the Electronics/Mechanics
- Dimensions indicated above are in mm





Safety Features

Infrared Light Curtain

Full height infrared curtain with multiple crisscrossing light beams detect the smallest obstruction in door path and stop doors from closing.

Overload Sensor with Audio-Visual Indication

On overload of the lift, car audio-visual indication is provided and doors are kept open till excess load is removed.

Slot Less Door Sills

Stainless steel lift car is now complemented by matching stainless steel bottom sills. Moreover, bottom sills are groove less, thus enhancing aesthetic appearance of the elevator. No slots for dust to accumulate and obstruct the door. So trouble free operation is ensured. Ensures smooth movement of trolleys & structures. (Block-A)

Car Emergency Light & Fan

The emergency light is always illuminated in normal condition and switches itself automatically to battery back up in case of power failure as shown in picture. Fan also operates for minimum 2 minutes after power failure.

Emergency Alarm & 'Push to Talk'

In case of any emergency or power failure, help can be obtained by alarming or by communicating at lobby through system, which is battery operated and self-charging as shown in the picture.

Emergency Rescue Button

In the event of power failure, trapped person in lift car rescue themselves by pressing emergency rescue button provided in car panel as shown in picture. (Block-B)

Safety in case of Over Travel

Three phase electric power is disconnected from control panel and motor, the moment elevator car moves beyond the limit of top and bottom terminal floors causing immediate application of the brake to bring the elevator to halt.

Safety in case of Rope Breakage

In the incident of breakage of ropes, elevator speed exceeds the rated speed in the downward direction, due to gravitational acceleration. The over speed governor activates the clutch mechanism thereby switching off main controls and jamming the elevator car safety on guide rails.

PU Buffers

Polyurethane polymer blocks are along lasting, weather resistant and most reliable in all operating conditions for providing maximum safety, in case of buffering of car elevators.

Car Fan Automatic Sleep

Car fan automatically stops when there are no registered floor calls resulting into saving in power and enhancing its life.

Voice Annunciator with Music

This system provides detailed information to passengers related to next floor, direction of movement, door opening/closing, scheduled operations and other information depending on the building needs. This system features natural electronic voice synthesizes.

PLC based controller V3F (Variable voltage, Variable Frequency), Vector controlled drive with encoder closed loop system

This system provides the highest degree of smoothness in elevator car movement with precise leveling. In addition to this, the frequency of power conservation is very high resulting into an overall power saving of the order of 40% during normal operating conditions.

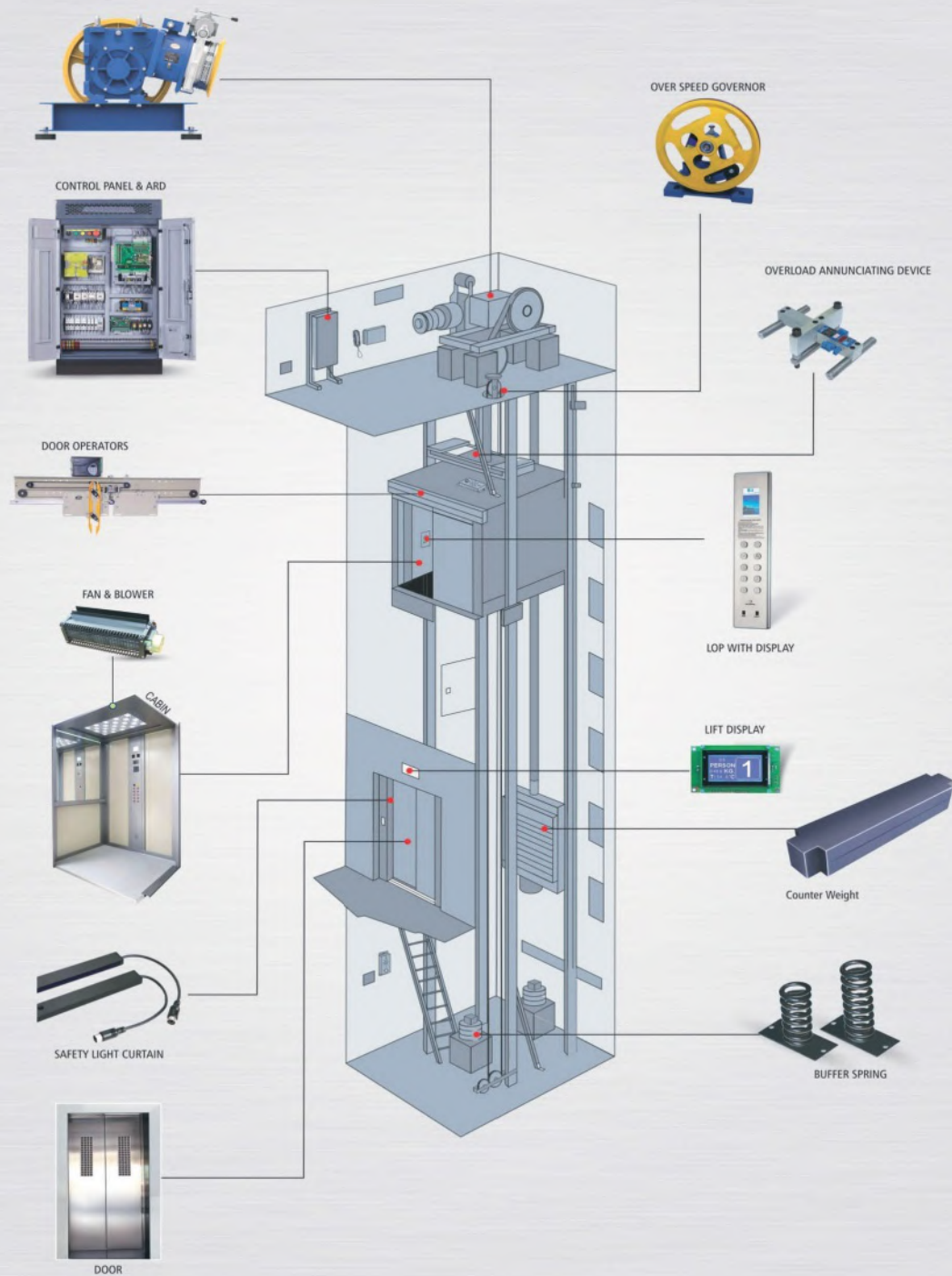
The Speed vs. Travel diagram shows the jerk less movement of elevator car approaching different floors with different speeds during starting, accelerating, decelerating and stopping.

Self diagnostic system

The built-in computer control system, self-diagnosis, various operational and safety parameters to improve overall reliability and safety of lift operation.

PLC based controller V3F (Variable voltage, Variable Frequency), Vector controlled drive with encoder feedback closed loop system for door operation

This system reduces the door opening and closing time drastically compared to conventional door operation system, thereby improving the passenger handling capacity and reducing the waiting time at landing.



We are Technically Associated with





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