

An ISO 9001:2015 Certified Company

Scaling **Heights**  
Since 1999



• Traction Elevator • MRL Elevator • Hydraulic Elevator

**Professional**  
Elevators Pvt. Ltd.



# Welcome to the Future of **VERTICAL MOTION**



## About us :

With over 20 years in manufacturing elevators, we have more than **2000** customers across South- India and Sri Lanka.

We at Professional Elevators are committed to delivering the safest elevators for you. Our advanced manufacturing and strict quality control measures ensure this.

We are an ISO 9001: 2015 certified company. A strong emphasis on continuous development and the ability to keep pace with modern technology supports the company's expanding manufacturing base. Our engineers are well equipped and trained to give you the best elevator experience. We offer elevator solutions in MR, MRL and Hydraulic elevator technologies.

## What We Offer

### New Installation



Installation works are carried out after discussions on the type of lifts required to meet the demands of the buildings, using the latest technology and equipment.

### Maintenance Contract



We are one of the reliable and well know service providers for elevators maintenance. We offer our clients' annual maintenance contract for all types of lifts.

### Modification



We modify our clients elevator with the latest and updated techniques, technology, design and compact features to ensure maximum safety and to reduce the energy cost.

### Repair and Service



We possess dynamic professionals to provide repairing and other maintenance service at market price for better functioning of the elevators and its inner devices.



# Professional Elevators Pvt. Ltd.

## Why us?

- 22 years of experience in manufacturing, installation and servicing of elevators.
- 3000+ satisfied customers.
- An ISO 9001:2015 certified company.
- Presence across South- India and Sri Lanka.
- Qualified and experienced engineers.
- 24/7 uninterrupted service.

FORM 4  
(See rule 14)  
GOVERNMENT OF TAMIL NADU  
ELECTRICAL INSPECTORATE  
CERTIFICATE OF RENEWAL OF AUTHORISATION FOR ERECTION,  
MAINTENANCE, INSPECTION AND TESTING OF LIFTS

REGISTRATION NO : LEM 113  
DATE OF REGISTRATION : 20.11.2017

Under Section 10 of the Tamil Nadu Lifts and Escalators Act, 1997 (35 of 1997),  
M/s. Professional Elevators Private Limited, No. 62A, Loyola Road, Royapettah,  
Chennai - 600 024 are hereby authorised to carry out erection, maintenance inspection and  
testing of lift installation within the State of Tamil Nadu, subject to the compliance of  
instructions set out in the Annexure-I and fulfillment of the conditions detailed below

Initial of Chief Inspector of Lifts and Escalators

Authorisation Valid from (1)	Authorisation Valid up to (2)	Initial of Chief Inspector of Lifts and Escalators
06.12.2019	05.12.2021	Chief Inspector to Govt. Chennai - 600 024

### Tamil Nadu License

GOVERNMENT OF KARNATAKA  
Registration No. M.S. / LEP (S.M) / 148  
Date of issue: 23-03-2020  
Valid up to: 23-03-2023

Name and Address of the Firm  
M/s. Professional Elevators Pvt. Ltd.,  
No. 31, Convent, Sangeetha Main Road,  
Malleshwara, Bangalore 560037

In exercise of power conferred under section 6 of Karnataka Lifts, Escalators and  
Passenger conveyances Act, 2012 (Karnataka Act No. 9 of 2012)  
M/s. Professional Elevators Pvt. Ltd., is hereby authorised to carry out,  
Lifts/Escalators/Passenger conveyances installation/erection and/or maintenance work in the  
State of Karnataka subject to the conditions detailed below.

Rs.1000/- (Rupees: Thousand only) paid at this office vide chalan  
No. CHS/2000/0403/2020 Dated 17-03-2020

Bank Guarantee Certificate No. 05962806000436 Dated 18-03-2020 for an amount of  
Rs. 5,00,000/- (Rupees: Five Lakhs Only) issued by M/s. State Bank of India, TPCFC, 4th  
Floor, Chennai, Bangalore valid up to 17-03-2023

Chief Inspector of Lifts, Escalators  
and Passenger Conveyances  
CHIEF ELECTRICAL INSPECTOR TO GOVT  
DEPARTMENT OF ELECTRICALS  
ELECTRICAL INSPECTORATE,  
Bangalore

The Twenty Third Day of March 2020

### Karnataka License

File No: BA - 2799302012  
Government of Kerala  
Department of Electrical Inspectorate

Office of the Chief Electrical Inspector  
Housing Board Building, B-10th Floor, Thiruvananthapuram-695001  
Phone: 9447123144, 0471-233144 Email: chief\_electrical\_inspector@kerala.gov.in

**Certificate of Registration**

Whereas the Government of Kerala, in exercise of powers conferred by the Kerala Lifts and Escalators Act, 1997 (Kerala Act No. 10 of 1997) and the Kerala Lifts and Escalators Rules, 2000 (Kerala Rules No. 10 of 2000) has authorised M/s. Professional Elevators Pvt. Ltd. to carry out the erection, maintenance, inspection and testing of lift installation within the State of Kerala, subject to the compliance of instructions set out in the Annexure-I and fulfillment of the conditions detailed below.

It is approved as a Manufacturer/Company of Electrical and Mechanical Engineers section, addition, alteration and maintenance of lifts, escalators and passenger conveyances in the State of Kerala subject to the observance of instructions detailed below.

1. Name and address of the Company  
M/s. Professional Elevators Pvt. Ltd.,  
Building No. 31, Convent,  
Sangeetha Main Road,  
Malleshwara, Bangalore - 560037

2. Name of Authorized signatory with signature  
Mr. J.C. Joseph Kumar,  
Managing Director

Registration No. and Date  
AL/11220/100/2020  
10.12.2020

Date of issue  
10.12.2020

Valid till  
14.12.2023

Chief Electrical Inspector

### Kerala License

## Few of our Clients



A.R. RAHMAN

PREMIER



RAMANIYAM  
...dreams accommodated...



YOKOHAMA



Waitrose



pantaloons



www.professionalelevators.com



## Passenger Elevator

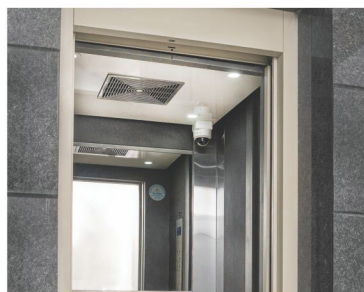
Autodoor Elevator



Passenger lifts are designed for buildings less than 20 floors. They are efficient and well equipped. These lifts have a very good carrying capacity. These elevators are built on customer needs, significantly based on the comfort of the people of the building.

Lifts are built on various prospects based on effectiveness, reliability and performance.

**CAPACITY** 06 to 20 Passenger



Durability &  
Style in all  
Imaginable  
Variations.



S.S. Center Opening Autodoor

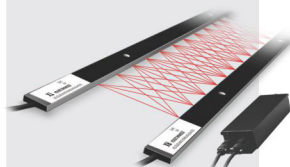


S.S. Telescopic Door



Glass Door (Big Vision)

Typical  
Applications of  
Multiple-Beam  
Sensor



M.S. Powder Coted Autodoor



Glass Door (Full Vision)



Center Opening Autodoor  
(Four Panel)



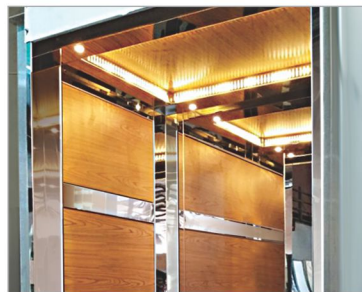
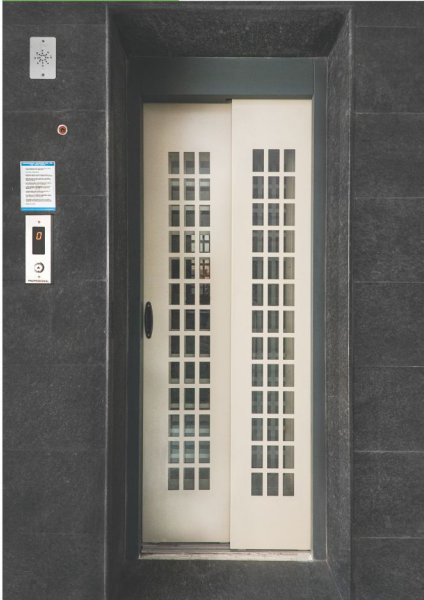


## Passenger Elevator

Manual Door Elevator



**CAPACITY** 08 to 20 Passenger



- The passenger lifts detailed here are designed to handle promptly and efficiently the transportation requirements of any type of building-which means any traffic condition.
- They are renowned for fine quality and robust performance.
- Delivers maximum lifting power with a minimum of effort.
- A superior combination of flexibility and performance.
- It gives benefits of jerk less travelling, economically low power consumption and excellent design.
- Features : maximum safety, Easy to use and maintain.



materials  
used in all  
our elevators  
are of the  
high quality.



M.S. Powder Coated Frame  
Full Glass Swing Door



Imperforated Door



Small Vision  
Manual Telescopic Door



Big Vision  
Manual Telescopic Door



Manual Swing Door

## Hospital Elevator

← Specially for Stretchers / Wheel Chair

**CAPACITY** 06 to 20 Passenger



These lifts are use in Hospitals / Healthcare center to shift patients. With the Unique and latest Technology in design & manufacturing.

With our unique and latest technology in design and manufacturing, our bed lifts ensures smooth jerk less ride and performance.

Our bed lift Comply with all IS standards to ensure maximum safety & efficiency.

VVVF door system ensures smooth door operation entry / exit sure of passenger. door open & door close speed can be adjusted. It effectively fulfills safe entry / exit of the landing door.

Trouble free self-diagnostic system ascends itself onto high inspection efficiency. It automatically shows the failure information to increase the repair efficiency, which can automatically save 10 trouble information records. It is convenient to grasp the detailed information and remove the troubles.



Intellectual Control



Noise Reducing



Smooth and Comfortable

- Smooth and Secure
- Anti Viral Cabin (optional)
- Emergency Landing Device (Optional)

Specially Fitted landing and car operating panels to suit differently abled persons.

Intelligent control.



Stainless Steel Cabin





## GOODS Elevator

Manual Door Elevator

**CAPACITY** 500 to 5000 kg. Load



Used extensively in factories and storage facilities for the movement of goods between floors. Two kinds of lifts are on offer- Hydraulic and Traction. Carrying capacities vary from 500kgs to 5000kgs.

Goods and workers can be transported to any number of floors. The size of the lifts can be from 3' x 2' to as large as 12' x 20'. Standard height of the cabin is 6' 7 1/2".

These lifts can have dual opening as well.

- Stable and efficient ride quality for heavy load movement.
- Effective, Superior and High performance.
- Energy saving and Energy efficient.
- Robust car design for heavy duty applications.
- Three Design Types : Hyd, MR and MRL.



It purifies the power grid environment



It improves the machine room temperature



Above 30% of energy-saving

### Application

- Heavy Goods Lifting.
- Car Parking.
- Shopping Malls (For Goods).
- Commercial Complexes (For Goods).
- Industrial Goods Lift.

### Features

- Low Power Consumption.
- Maximum Space usable.
- Cost Effective



Ramachandran - Supermarket & Home



Vasanth & Co.



## Hydraulic Elevator

### ROPE TYPE

**CAPACITY** 06 to 12 Passenger



Absence of the superstructure machine room, allows better utilization of the built space, saving construction cost and making it earthquake proof.

We are one of the leading manufacturers of Hydraulic Lifts and we offer modern technology based Quality Lifts of every type with minimum brake down calls, Shorter waiting time & downtime.

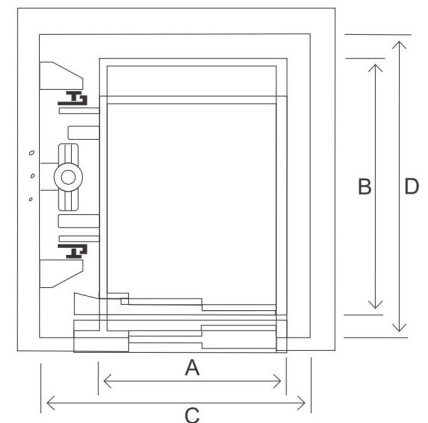
Less power consumption as single time 3 phase power is consumed in upward direction and only Low power in downward direction.

Green Solutions For  
Better Tomorrow

### ROPE TYPE 1

It is single side indirectly piston arrangement with wire ropes having one piston for regular loads and long travels of maximum 12 meters.

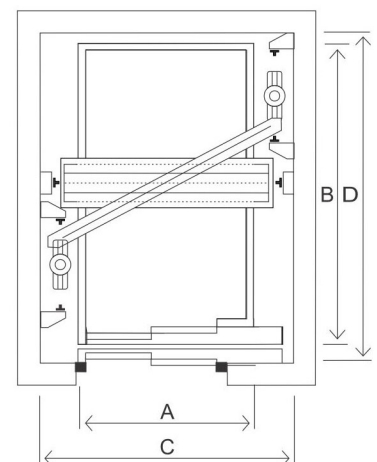
Persons	Capacity Kg	Car-w (A)	Card-d (B)	Shaft-w (C)	Shaft-d (D)
3	225	800	900	1300	1300
4	300	850	1050	1350	1450
5	375	1000	1200	1500	1500
6	450	1100	1250	1600	1600
8	600	1200	1500	1750	1800
10	750	1200	1700	1750	2200
12	900	1300	1800	1850	2100
15	1125	1300	2200	1850	2500
20	1600	1400	2500	1950	2800



### ROPE TYPE 2

It is indirectly suspended with wire ropes having dual piston for heavy loads and long travels of maximum 12 meters.

Persons	Capacity Kg	Car-w (A)	Card-d (B)	Shaft-w (C)	Shaft-d (D)
10	750	1200	1700	1900	2000
12	900	1300	1800	2000	2100
15	1125	1300	2200	2000	2500
18	1350	1350	2350	2050	2700
20	1500	1400	2500	2100	2900
26	2000	1600	2600	2300	3000
30	2300	1700	2700	2400	3100
33	2500	1700	2800	2500	3200







## Hydraulic Elevator HOLE TYPE

**CAPACITY** 06 to 12 Passenger



Hole Type Hydraulic lifts typically consume less space than conventional hydraulic lifts. A bore hole is drilled into the ground to accommodate the piston arrangement. They are best suited for homes and places that have very minimum space.

It is an extremely efficient system with respect to power consumption and maintenance. The design is robust and failure proof. These systems tend to be more silent during operation and aesthetically look better.

### Advantages & Benefits



Machine Room  
Not Required.



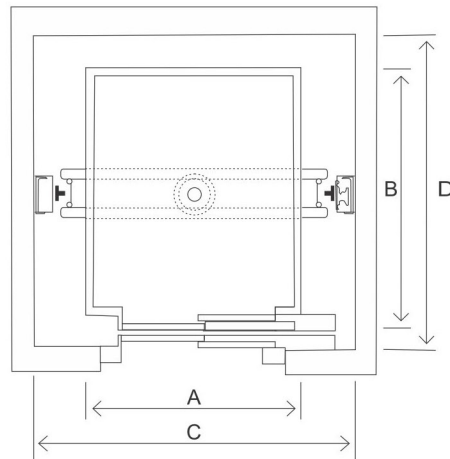
No  
Maintenance.



Electric Power  
Not Required in  
Down Direction.



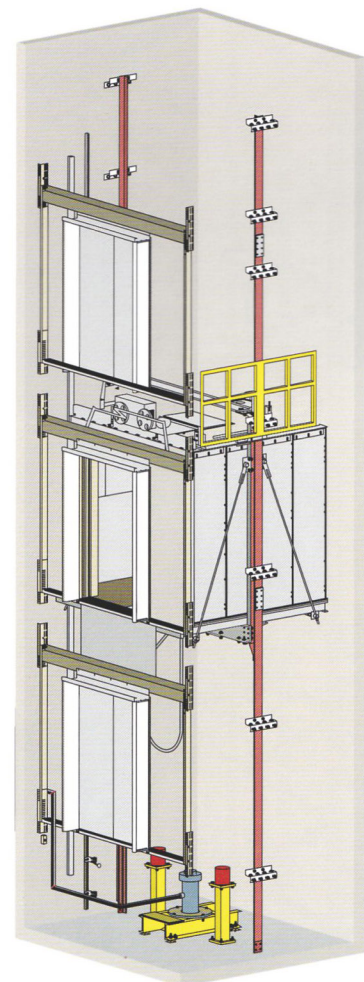
Easy &  
Fast Installation.



### HOLE TYPE

It is directly suspended with simple or split piston. It is the simplest solution of suspension for any load. upto 6 meters travel.

Persons	Capacity Kg	Car-w (A)	Card-d (B)	Shaft-w (C)	Shaft-d (D)
3	225	800	1500	1500	1500
4	300	850	1050	1550	1550
5	375	1000	1200	1600	1600
6	450	1100	1250	1700	1700
8	600	1200	1500	1700	1800
10	750	1200	1700	1700	2000
12	900	1300	1800	1900	2100
15	1125	1300	2200	2000	2500
20	1500	1400	2500	2100	2800
24	1800	1500	2500	2200	2800



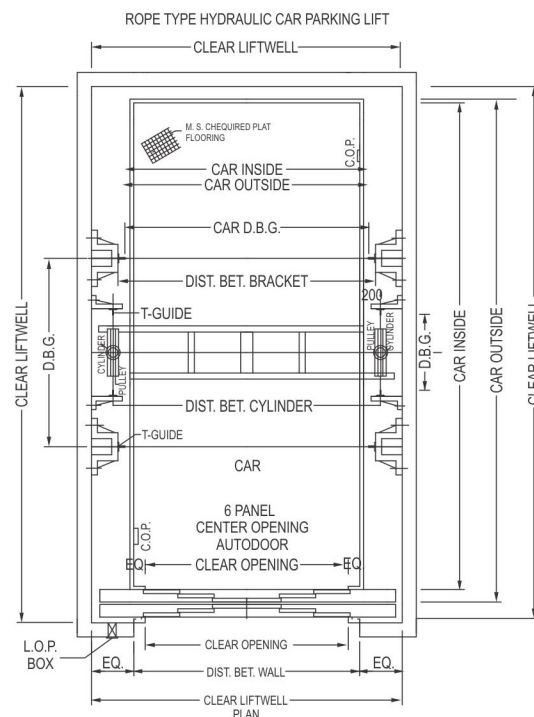
## Hydraulic Car Elevator

**CAPACITY** 3000 kg Load



These lifts are specially designed for the vertical transportation of a loaded vehicle or automobile with their drives making them extremely useful for Private Garages, Apartments, Showrooms, Service Station and Complexes.

These lifts meet the requirements of the current INDIAN LIFT GUIDELINES.



Shaft Inside		W	D	Machine Room					2000W x 2000L x 2500H		
		3300	5500								
Recommended Shaft Dimensions For 2.5 Tones Hydraulic Car Lift-Non Commercial Vehicle											
Type of Lift	Capacity	Car + Car FR.	Total Load	Car Inside			Entrance		Travel	Pitdepth	O.H. Height
		+ ACC. Weight	(Max)	Dimension (mm)			(mm)		(max)	(min)	(min)
	(Kg)	(Kg)	(Kg)	W	D	H	W	H	(mm)	(mm)	(mm)
Direct pistons at side (2 Nos.)	2500	2500	5000	2400	5200	2300	2300	2200	4000	1800	4000
Indirect pistons at side (2 Nos.)									12000	1500	3500
Direct pistons below (2 Nos.)									6200	1500	3500

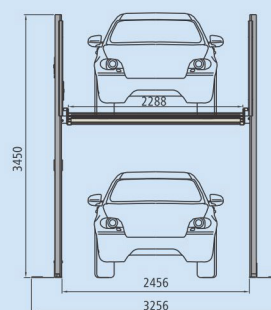
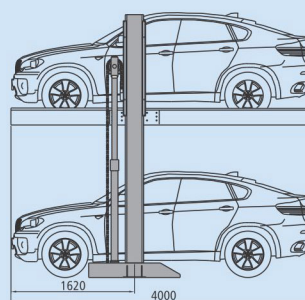
## CAR STACKER PARKING

### Characteristics of the System :

- Saves Land area and take full use of the current space to raise the number of parking cars.
- The structure is simple, united and easy for operation.
- Suitable for Car Models - Sedan for all levels & SUV for only ground level.
- Adapted Places: Apartments, yards & lower height of basements, IT parks, Hotels. It can be used both indoor & outdoor.



Two Car Parking System



Requirements Height Sedan : 3800mm SUV : 4200mm Width : 2700mm



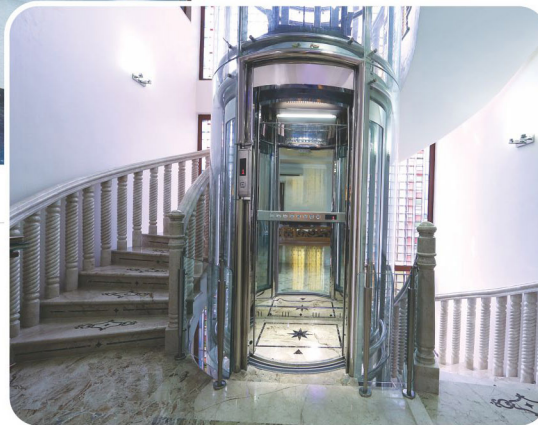


## Home Elevator



The Home Lift is Simply Designed for Greater Convenience in moving around your home as well as it is a Superb Means of installing greater freedom in your floor plan. The option, for example, of constructing your parking space underground, or placing your living room on an upper floor. Expanding the possibilities of raising the caliber of comfort and quality in daily living.

**CAPACITY** 04 to 06 Passenger



Save Energy



Low Noise



Comfortable

Change Your  
Lifestyle with  
Best Home Lift

High Car Ceiling  
Height : 2100mm

Electric Fan (Option)

LED Down Light Type  
(CE-EDB-C30)



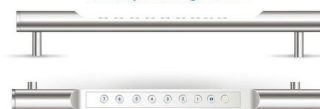
LED Rectangle  
Cover Light type (CE-EDB-A30)

High Entrance  
Height 2000mm



Entrance  
• Doors / Frame : Coated steel plate  
• Windows : Gray smoked plastics

Car Operating Panel



Landing Operating Panel





## MRL Elevator Machine Roomless Elevator

**CAPACITY** 04 to 20 Passenger



It reduces the building expence and saves the construction cost too

Professional's Machine Roomless Lifts gathers together the excellent work Professional Elevators Pvt. Ltd. and the research fruits of architectural adaptability. It has been independently researched into and developed by Professional elevators. It adopts the mature control technology and the advanced design concepts that lead the trend with a combination of superior performance of permanent magnet synchronous gearless drive system. It completely merges with the construction to fully uplift the building aesthetics and values. It has very high cost performance advantages.

### Advantages :

- Latest Technology
- Smooth Operation with Less Noise
- Less Energy Consumption
- Safe and Reliable

It saves 25% of  
Total Elevator  
Equipment Area.  
It Reduces 40% of  
Space Occupation



### Energy Saving

MRL elevator is backed by new age technology of permanent magnet synchronous gearless traction machine that reduces energy consumption and saves up to 40% energy compared to traditional machines.



### Compact Design

Our light-weight MRL elevators are smartly designed to meet the expectation and flexibility of contemporary architecture.



### Construction Cost Saving

With no requirement of machine room, the elevator control system can be fixed at the last stopping or within the elevator shaft without taking additional space. This reduces construction costs and increases space utilization.



### Flexible to building design

MRL elevators open an entire horizon of trendy, flexible building designs. Without a machine room, architects and designers can play around with space using options.





## MRL Elevator

Machine Roomless Elevator



### Over-Mounted Main Engine (Standard Type)

Main engine is installed into the space between the car top and the elevator shaft ceiling. Control cabinet is installed beside the top landing door, so as to minimize the link between the control cabinet and the main engine for easier overall maintenance.



MRL Gearless Machine



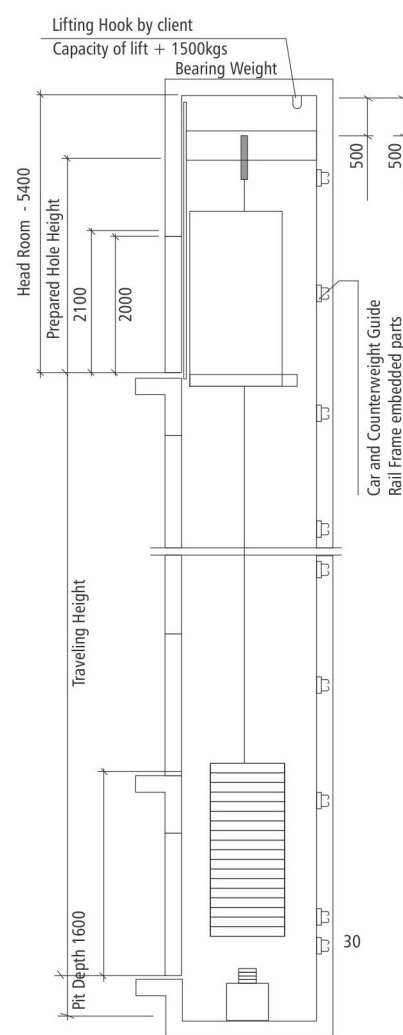
Low noise



Green  
Environmental  
Protection

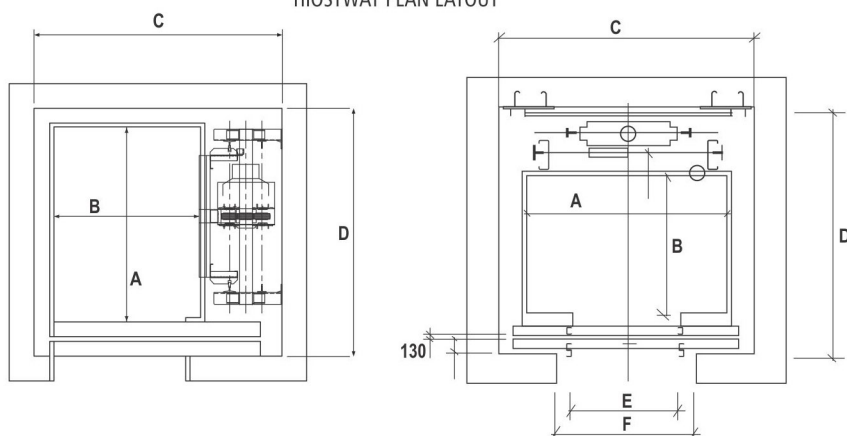


High efficiency  
and energy  
saving



HIOWAY ELEVATION DRAWING

HIOWAY PLAN LAYOUT



Dimensional Details : Machine Roomless Elevator

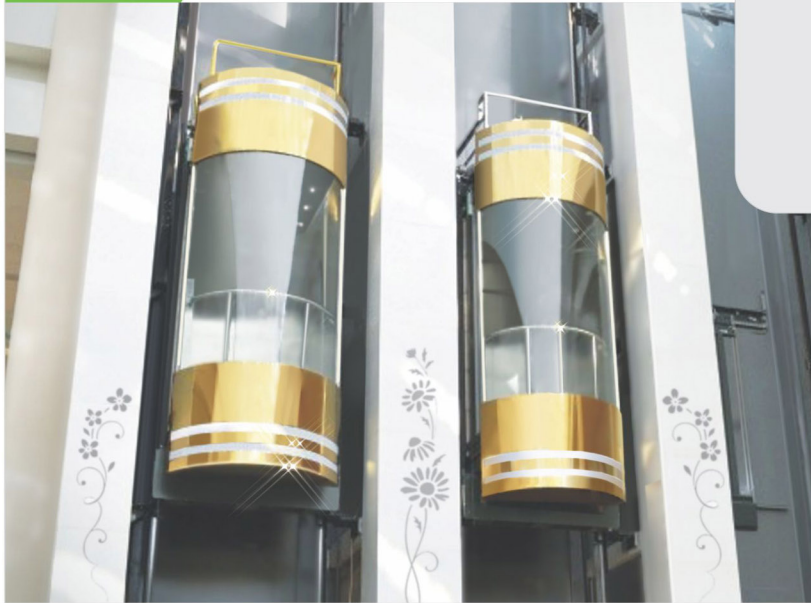
Capacity		Lift Well		Platform		Clear Entrance	Clear Opening at Landing	
Person	KGS	C	D	A	B	E	F Auto Door	F Manual Telescopic
6	408	1800	1400	1300	1000	800	800 / 2000	1000 / 2000
8	544	1900	1600	1500	1200	800	800 / 2000	1050 / 2000
10	680	1900	1800	1600	1400	800	800 / 2000	1050 / 2000
13	884	2200	1900	1800	1600	900	900 / 2000	1250 / 2000

• 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.

## Capsule Elevator Scenic Elevator

### CAPACITY

06 to 20 Passenger



Capsule Elevators act as Architectural highlights in prestigious buildings.

They can be called the ornaments of a building as they enhance its beauty and adds life into it. Their design and feature add to their optimum travel comfort. They have aesthetically attractive interiors with large glass viewing panel. Capsule lifts demand specialized knowledge and we have wide experience required to suit your particular concept in capsule elevator operations.



Hotels



Shopping Malls



Offices



Multiplexes

There is a variety of forms to meet different needs.

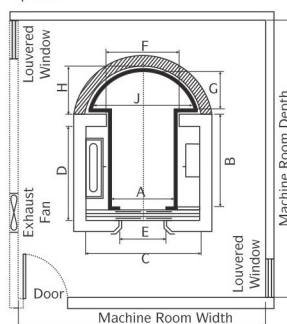


Full Glass Capsule

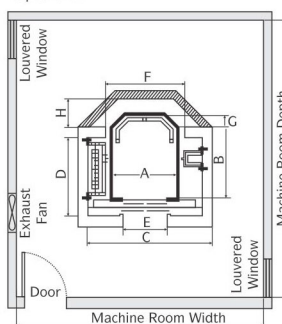


Three Side Glass With  
MS Powder Coated Car

Options - A



Options - B

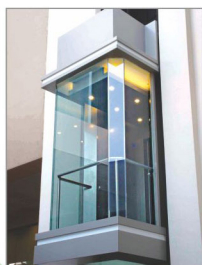
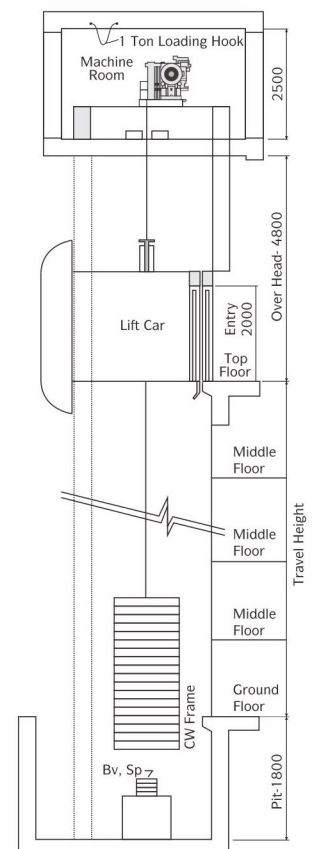


Options - A

Load		Car Inside				Lift Well				Entrance
Person	Kgs.	A	B	J	G	C	D	F	H	E
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

Options - 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



Three Side Square  
Glass Capsule

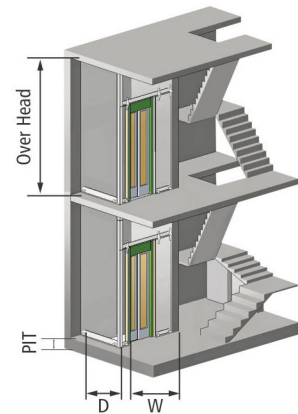
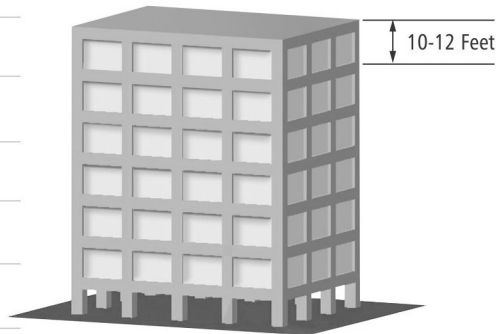


Round Glass Cabin With  
Stainless Steel  
Hair Line Finish Car



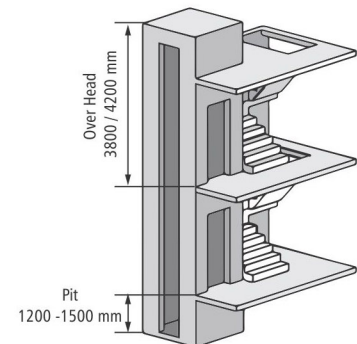
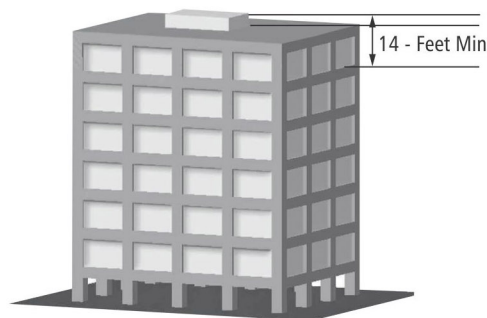
## For Hydraulic Elevator

<b>Capacity</b>	Standard : 404 kgs / 6P
	Special Jobs : 200 kgs / 3P
<b>Shaft</b>	Standard : W 1600 mm X D 1400 mm
	Special Jobs : W 1600 mm X D 1300 mm
<b>Door</b>	Standard : W 1700 mm X H 2000 mm
	Automatic Sliding
<b>Overhead</b>	Standard : 3300 mm
	Special Jobs : 2900 mm
<b>Speed</b>	Standard : 0.5 m/s
	Special Jobs : 0.2 m/s
	Pit Standard : 300 mm
	Special Jobs : 200mm



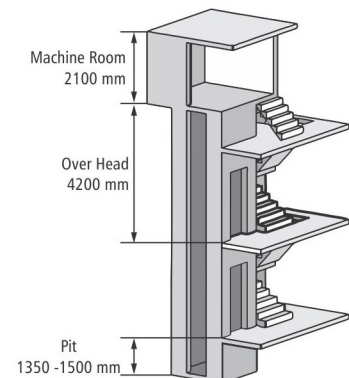
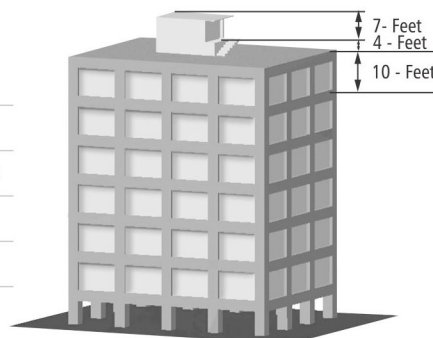
## For MRL Elevator Machine Room Less Lift (MRL)

<b>Capacity</b>	6, 8, 10, 15 Passenger
<b>Speed</b>	Standard : 1.0, 1.5, 1.75 m/s
<b>Max. Floors</b>	30 Floors
<b>Max. Travel</b>	90 mts

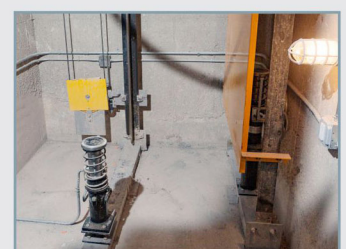
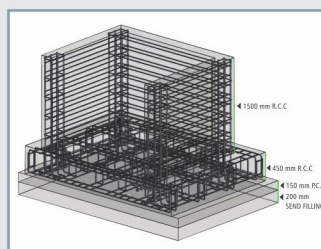
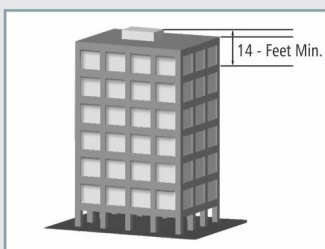


## For Traction Elevator (With Machine Room)

<b>Capacity</b>	4, 6, 8, 10, 15, 20 Passengers
<b>Speed</b>	Standard : 0.67, 1.0, 1.5, 1.75 m/s
<b>Max. Floors</b>	36 Floors
<b>Max. Travel</b>	110 mts



## Optimized Space & Energy a High-quality gearless lift in the lap of luxury designs !



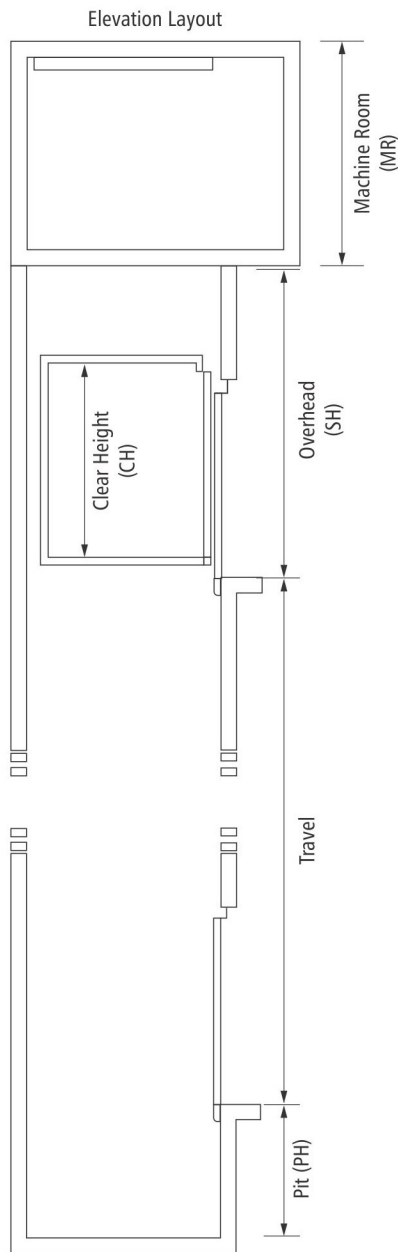
### Lift Pit Derails :

(Re-invented Architectural Engineering Efficiency)  
Depth : 1350 mm - 1500 mm (Depending Upon lift speed)  
Pit must be furnished with waterproof concrete Fit floor design  
must be Static load of 5 tons & Dynamic load of 15 tons

### MRL Lift :

(Machine Roomless Lift Overload)  
Machine room not required. Space saving & good looking Being gearless lift, required no gear oil for motor, Engineered with critical components of global standards.

## Lift with Machine Room (LMR)



Note :  
 Over Head : 4500 mm  
 Machine Room : 2100 mm  
 Pit Height : 1350 mm

## Shaft information for LMR (Lift with Machine Room)

Capacity	Load (KG)	Car Width	Car Depth	Door Opening	For Center Opening Door		For Side Opening Door	
		CW	CD	DO	WW	WD	WW	WD
4P	272	900	850	700	1600	1550	1400	1650
				800	1800	1550	1550	1650
		1100	700	700	1600	1400	1600	1500
				800	1800	1400	1600	1500
5P	340	1100	850	700	1600	1550	1600	1650
				800	1800	1550	1600	1650
		1200	750	700	1700	1450	1700	1550
				800	1800	1450	1700	1550
6P	408	1200	900	700	1850	1550	1850	1650
				800	1900	1500	1850	1650
		1100	1000	700	1750	1600	1750	1700
				800	1850	1600	1750	1700
8P	544	1100	1300	700	1750	1750	1750	1850
				800	1850	1750	1750	1850
		1300	1100	700	1950	1650	1950	1750
				800	1950	1650	1950	1750
9P	612	1100	1400	700	1750	1850	1750	1950
				800	1850	1850	1750	1950
10P	680	1300	1350	800	1950	1800	1950	1950
		1350	1300	800	2000	1750	2000	1850
		1100	1600	700	1750	2050	1750	2150
				800	1850	2050	1750	2150
11P	748	1350	1400	800	2000	2050	2000	2150
13P	884	1600	1350	900	2250	2000	2250	2100
				1000	2300	2000	2250	2100
		1100	2000	800	1850	2450	1750	2550
				900	2000	2450	1800	2550
		1500	1450	900	2150	2050	2150	2250
				1000	2250	2050	2150	2150
		2000	1100	1000	2700	1900	2700	2000
				1100	2700	1900	2700	2000
15P	1020	1600	1500	900	2250	2100	2250	2200
				1000	2300	2100	2250	2200
		1100	2100	800	1850	2550	1750	2650
				900	2000	2550	1800	2650
16P	1088	1800	1450	1000	2500	2050	2500	2150
				1100	2550	2050	2500	2150
		1300	2000	1000	2200	2450	2000	2550
				1000	2300	2150	2250	2250
		1600	1600	1000	2300	2150	2250	2250
				1100	2700	2000	2700	2100
17P	1150	1800	1500	1100	2700	2000	2700	2100
				1000	2500	2100	2500	2200
				1100	2550	2100	2500	2200

## Passenger Elevator Dimensions

Capacity	Load	MMR - Shaft Size		MMRL - Shaft Size		AMR - Shaft Size		AMRL - Shaft Size		Car Size		Entrance
PC	KG	SW	SD	SW	SD	SW	SD	SW	SD	CW	CD	DCO
4	272	1400	1350	1650	1200	1500	1350	1650	1200	1000	800	700
5	340	1500	1400	1750	1200	1500	1400	1400	1200	1100	850	700
6	408	1600	1500	1850	1250	1600	1500	1500	1200	1200	900	700
8	544	1600	1750	1850	1550	1800	1800	1800	1500	1500	1200	800
10	680	1800	1950	2000	1750	1950	1950	1950	1750	1750	1350	800
13	884	1800	2400	1800	2400	2400	2400	2400	2400	2400	2000	800
16	1088	2000	2900	2000	2900	2900	2900	2900	2900	2900	2400	1000

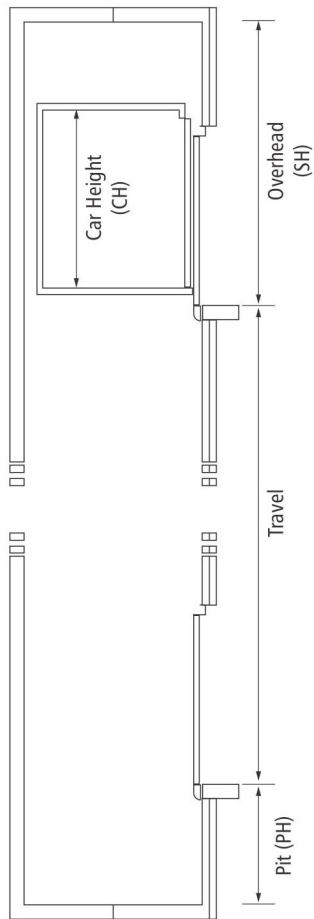
**KG** - Passenger Load  
**DCO** - Door Clear Open  
**PC** - Passenger Capacity  
**SW** - Shaft Width  
**SD** - Shaft Depth  
**CW** - Car Width  
**CD** - Car Depth  
**MMR** - Manual Machine Room  
**AMR** - Automatic Machine Room  
**MMRL** - Manual Machine Room Less  
**AMRL** - Automatic Machine Room Less

• 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.



## Machine Room Less (LMR)

Elevation Layout



### Shaft information for MRL (Machine Room Less)

No. of Persons	Load	Car Width	Car Depth	Door Opening	Shaft Width	Shaft Depth	Overhead
	KGS	CW (mm)	CD (mm)	DO (mm)	WW (mm)	WD (mm)	OH (mm)
5P	340	950	1000	700	1550	1475	4500
6	408	950	1150	700	1550	1525	
	408	1100	1000	700	1650	1475	
7	476	950	1250	700	1550	1575	
8	544	1100	1300	700	1675	1600	
	544	1100	1400	800	1775	1600	
	544	950	1100	700	1575	1700	
	544	1300	1350	800	1875	1500	
10	680	1300	1600	800	1875	1800	
	680	1100	1350	800	1775	1925	
13	884	1600	1650	900	2175	1800	
	884	1600	2000	1000	2175	1800	
	884	1100	2000	800	1775	2300	
	884	1100	2000	900	1950	2300	
15	1020	1600	1500	900	2175	1875	
	1020	1600	1500	1000	2175	1875	
	1020	1100	2150	800	1775	2450	
	1020	1100	2150	900	1950	2450	

**Note :**

All shaft measurements specified are taken over plaster.  
Shaft dimensions are to be maintained to a tolerance of 0, +25 mm.  
For minimum shaft sizes, contact Customers Engineering for details.

**Note :**

Over Head : 4500 mm  
Pit Height : 1500 mm

WW - Well Width CW - Car Width CD - Car Depth  
WD - Well Depth DO - Door Opening

### 4 Passenger (272 Kg) Cabin Size

No	Car Width	Car Depth	Well Width	Well Depth	Door Opening
1	1100	700	1750	1300	700/800
2	950	850	1400	1500	700

### 5 Passenger (340 Kg) Cabin Size

No	Car Width	Car Depth	Well Width	Well Depth	Door Opening
1	1000	1000	1600	1400	700
2	1200	800	2000	1300	700/800
3	800	1200	1500	2000	700
4	1100	900	1800	1500	700/800

### 6 Passenger (408 Kg) Cabin Size

No	Car Width	Car Depth	Well Width	Well Depth	Door Opening
1	1100	1000	1800	1600	700/800
2	1000	1100	1700	1800	700
3	1200	900	1800	1500	700/800
4	900	1200	1600	1800	700

### 8 Passenger (544 Kg) Cabin Size

No	Car Width	Car Depth	Well Width	Well Depth	Door Opening
1	1300	1100	1800	1600	700/800
2	1100	1300	1700	1900	700
3	1200	1200	1800	1800	700/800
4	1400	1000	2000	1600	700/800
5	1000	1400	1750	2000	700

### 10 Passenger (680 Kg) Cabin Size

No	Car Width	Car Depth	Well Width	Well Depth	Door Opening
1	1500	1300	2100	1900	800/900
2	1300	1500	2000	2100	800/900
3	1400	1300	2000	2000	800/900
4	1300	1400	1900	2000	700/800

## Cabin Designs Option

Create the look feel you like. Combine colors, materials, lighting, mirrors, handrails and fixture 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.



Wooden Decorative Cabin



M.S. Powder Coated Cabin

## Freedom of designs



Glass & Stainless Steel Decorative Cabin



Golden Designer Cabin



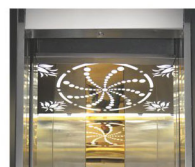
Stainless Steel Center Glass Cabin



Titanium Gold Designed With Stainless Steel Finish Cabin

## Ceiling Designs

## Handrail Designs







## COP / LOP & DISPLAY



PEC-001



PEL-002



PEC-003



PEL-004



PEC-005



PEL-006



PEC-007



PEL-008



PEC-009



PEL-010



PEC-011



PEL-012



Vertical Display Effect



Horizontal Display Effect



BVT 605

## Geared Traction Machine



Vertical Traction Machine



Heavy Duty Traction Geared Machine

## Gearless Traction Machine



Mini Gearless Machine



Gearless Traction Machine

## Contoller System



Integrated Control System



VVVF, ARD  
Microprocessor Control System



MRL Control System



V3F Drive





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