

...  
the limit  
Sky is



Perfect & Safer  
Engineering Technology!

# Lloyd Group Profile

An elevator, by definition is a platform or an enclosure raised and lowered in a vertical shaft to transport people and freight. The shaft contains the operating equipment, motor, cables, and accessories.

## HISTORY OF ELEVATORS

Elevators began as simple rope or chain hoists. In the past elevator drive mechanisms were powered by steam and water hydraulic pistons. In 1823, an "ascending room" made its debut in London. In 1853, Elisha Otis introduced the safety elevator, which prevented the fall of the cab if the cable broke. On March 23, 1857 the first elevator was installed at 488 Broadway in New York City. The first elevator shaft preceded the first elevator by four years. Construction for Peter Cooper's Cooper Union building in New York began in 1853. An elevator shaft was included in the design for Cooper Union, because Cooper was utterly confident that a safe passenger elevator would soon be invented. The first electric elevator was built by Werner Von Siemens in 1880. The safety and speed of electric elevators were significantly enhanced by Frank Sprague. The development of elevators was led by the need for movement of large amounts of raw materials including coal and lumber from hillsides. The technology developed by these industries and the introduction of steel beam construction worked together to provide the need for the passenger and freight elevators we use today.



## PRESENT ELEVATORS

Today, elevators are built under strict supervision of the Building Codes. In addition, other related standards are required to be complied with, as specified by Local Authorities having Jurisdiction. All new elevators are computer controlled, microprocessor and integrated based. This allows the elevator system to place cabs where they are most needed in the interest of smooth running, with behavior based on analysis of building use called the "Traffic Studies." Traffic Studies are done by Professional elevator consultants. We at LINKWEL have a dedicated team of engineers and technical professionals to carry out such analysis and come out with the most pertinent solution for client's vertical motion requirement. LINKWEL is fast emerging as leader, in vertical motion technologies that enable utility & industry customers to improve performance while lowering environmental impact.

With the goal to provide safe, secure, comfortable elevators and to enhance client's satisfaction, LINKWEL ELEVATORS today provides one-stop solutions to all elevator requirements.

LINKWEL ELEVATORS Manufacturers, Installs, Maintains, provide after sales services/supports and modernize elevators for almost every type of building.

Our company specializes in the latest engineering technology. Our elevator is tested for Safety, Comfort, Efficiency and Reliability.

Inspired by the vision of being the best service provider in our industry for customers, LINKWEL ELEVATORS will continue to develop highly innovative and user friendly elevators. Our elevators can be found at Residential Buildings, Offices, Shopping Centres/Retail Establishments, Industries etc.



An ISO 9001:2008  
Certified Company

## OUR VISION

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### CUSTOMER SATISFACTION

The foundation of LINKWEL is with the vision to provide a commitment to exceed customer expectations. Customer's expectations and requirements demands drastic changes periodically, we believe in continuous learning, up-gradation, innovation & passion for perfection. The continuous feed back from different end users has added to our insight in the chosen field. We have a strong team of technical personnel including Electrical, Mechanical and Electronic Engineers.



### QUALITY

Quality had made LINKWEL the most trusted name in the industry. We make sure our elevators give the best performance and unmatched quality than the others. That is why we call it '**Latest Technology with Utmost Safety and Perfection**'.



### SAFETY

Elevators serve as a reliable mode of transportation when there are just too many flights of stairs between us and our destination. They are also critical for handicapped and disabled people and even kids who cannot make their way up and down stairs comfortably. LINKWEL ELEVATORS are quite secure due to an abundance of safety features that should ensure that rider's safety needs are met and given number one priority. Your safety means everything to us. In our plants, at job sites and through promoting safety in the community, we work hard to ensure that every passenger's trip is safe and smooth.



### RELIABILITY

When you walk up to a LINKWEL ELEVATOR, it should come to you at the push/touch of that call button. Our elevators are the most reliable. They are composed of the best materials for performance and dependability.



Choosing the finest steel and electronics are a part of the best elevator we provide.

Following strict protocols of quality and precision engineering, every piece of our elevator is manufactured according to a strict process and is monitored by quality control method.

## Automatic Passenger Elevator (MRL)



### Automatic Passenger Elevators (MRL)

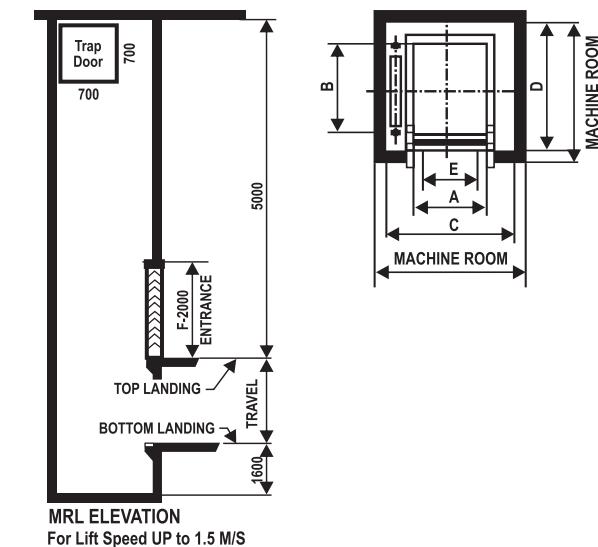
They are designed to suit every construction requirement, with trouble free performance and low maintenance cost. Eco friendly features helps reducing operating costs. It has a smooth operation of traction technology, can fit into the foot print of a hydraulic elevator.

Each lift is fully equipped with the latest safety devices as required by the State Lift Acts prevailing in Gujarat, Maharashtra, West Bengal, Karnataka and New Delhi.

#### General Overview

- Consumes Less Energy
- Uses No Oil
- Less Usable Space
- Ideal Low Rise Solution for New & Existing Buildings

### Civil Dimensions



Sr. No.	LOAD		CAR INSIDE		LIFT WELL		ENTRANCE
	PERSONS	KG	A	B	C	D	E
1	4	272	1100	700	1900	1300	700 / 800
2	5	340	1100	800	1900	1200	700 / 800
3	6	408	1100	1000	1900	1600	700 / 800
4	8	544	1300	1100	1900	1900	800
5	10	680	1350	1300	1900	2100	800
6	13	884	2000	1100	2500	1900	900
7	16	1088	2000	1300	2500	2100	1000

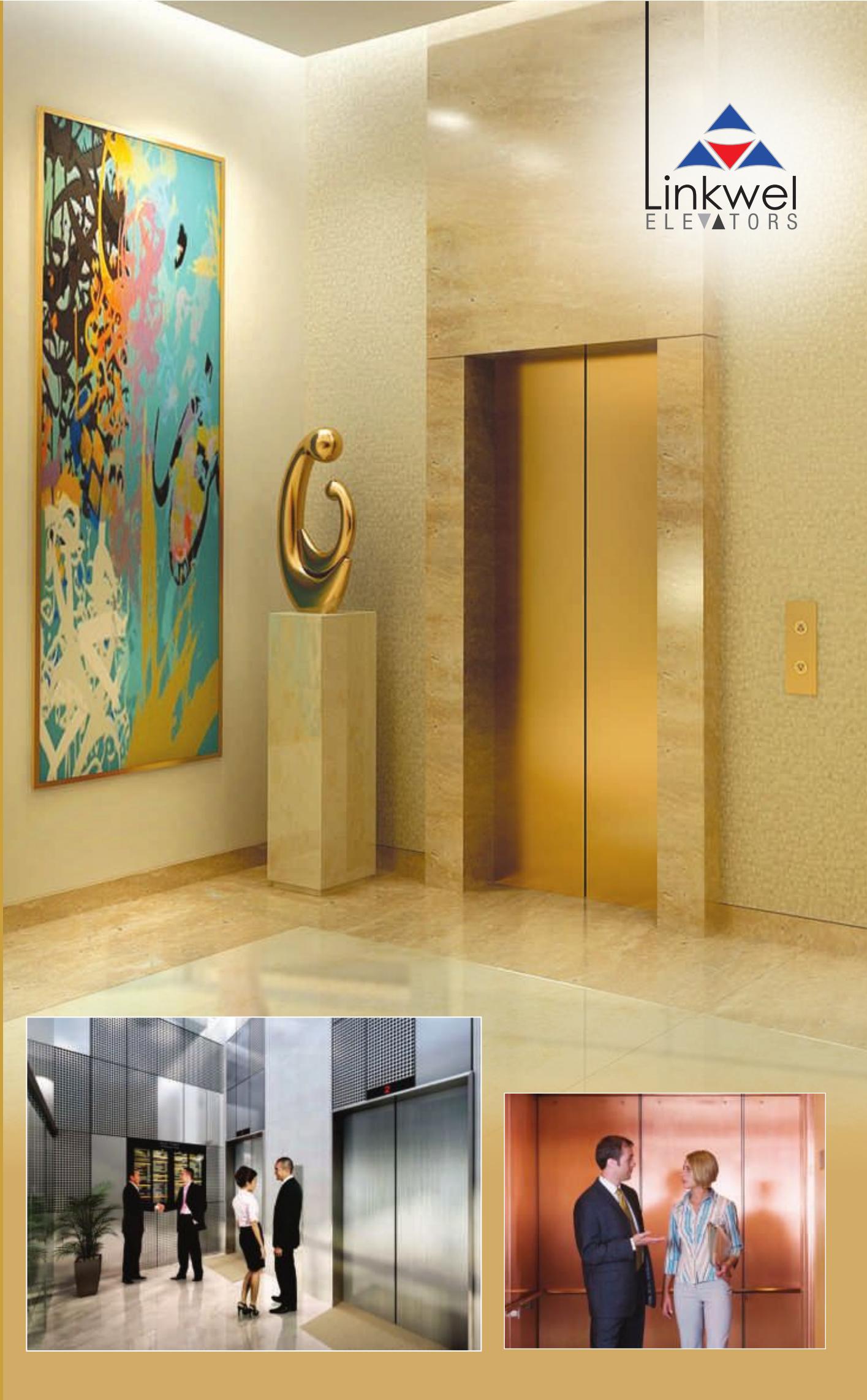
#### NOTES :-

- The total headroom has been calculated on the basis of car height of 2.0 m.
- In case of manually operated doors, clear entrance will be reduced by the amount of projection of handle on the landing door projects
- Four and Six passenger lifts are generally limited to a speed of 1.0 m/s
- This is our standard data, for other special requirement please contact us.



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## Automatic Passenger Elevator (Geared)



### Automatic Passenger Elevators (Geared)

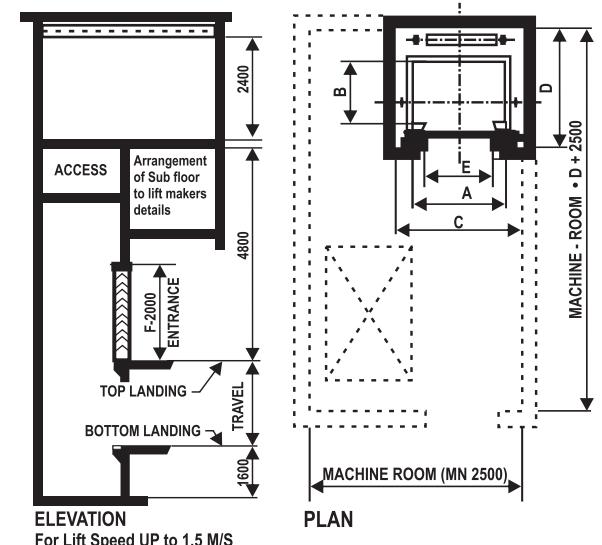
They are designed to suit every construction requirement, with trouble free performance and low maintenance cost.

Single speed lifts operate at a maximum speed of 40 meters(130 ft) per minute powered by specially designed lift duty Single Speed motors. High Speed lifts are manufactured with self leveling devices. Within a given speed range, floor leveling is adequate for normal passenger capacity, as per I.S.

The Lift Control System can be of Car Switch or Automatic Type. The Car switch type is for operation by an attendant, whereas the Automatic type comprises of feather touch buttons at each landing which call the lift car and a series of buttons in the car which correspond to the floors to be served and operated by the passengers using the lift.

Each lift is fully equipped with the latest safety devices as required by the State Lift Acts prevailing in Gujarat, Maharashtra, West Bengal, Karnataka and New Delhi.

### Civil Dimensions



Sr. No.	LOAD		CAR INSIDE		LIFT WELL		ENTRANCE	
	PERSONS	KG	A	B	C	D	E	
1	4	272	1100	700	1900	1300	700 / 800	
2	5	340	1100	800	1900	1200	700 / 800	
3	6	408	1100	1000	1900	1600	700 / 800	
4	8	544	1300	1100	1900	1900	800	
5	10	680	1350	1300	1900	2100	800	
6	13	884	2000	1100	2500	1900	900	
7	16	1088	2000	1300	2500	2100	1000	

#### NOTES :-

- The total headroom has been calculated on the basis of car height of 2.0 m.
- In case of manually operated doors, clear entrance will be reduced by the amount of projection of handle on the landing door projects
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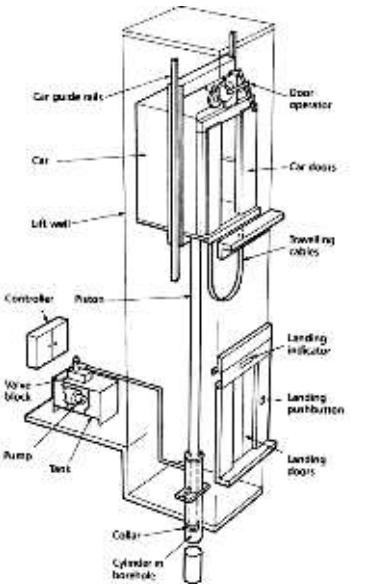
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## Hydraulic Elevator



### Hydraulic Elevators

The Hydraulic elevators are based on the motor mechanism for hydraulic lifts. The system operates on the elevator valves, submersible motors and screw pumps are manufactured by specialized European companies



Size Table for Hydraulic Goods Lift

Load kg.	Car Inside Width x Length	Lift Shaft Size (One side open)	Lift Shaft Size (One side open)	Entrance	Machine Room
				(Two side open)	Width & Length
500	1100x1200	1600 x 1700	1780 X 1560	900	3000 X 3000
750	1300x1500	1800 x 2000	1980 X 1860	1000	3000 X 3000
1000	1400x1800	1990 x 2300	2100 X 2160	1100	3000 X 3000
1500	1700x2000	2500 x 2300	2400 X 2360	1350	3000 X 3000
2000	1700x2500	2500 x 2800	2400 X 2860	1350	3000 X 3000
2500	2000x2500	2800 x 2800	2750 X 2860	1500	3000 X 3000

Size Table for Hydraulic Passenger Lift

Persons No.	Persons Kg.	Car Inside Width x Length	Car Inside	Lift Shaft Size	Entrance	Machine Room
			(Two side open)	Width x Length	Width	Width & Length
4	272	1100 X 700	1100 X 700	1600 X 1300	900	3000 X 3000
6	408	1100 X 1000	1100 X 1000	1600 X 1600	1000	3000 X 3000
8	544	1300 X 1100	1300 X 1100	1800 X 1700	1100	3000 X 3000
10	680	1350 X 1300	1350 X 1300	1850 X 1700	1350	3000 X 3000

NOTES :-

- All Dimensions are in mm. and based on automatic doors requirement.
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## Hospital Elevator



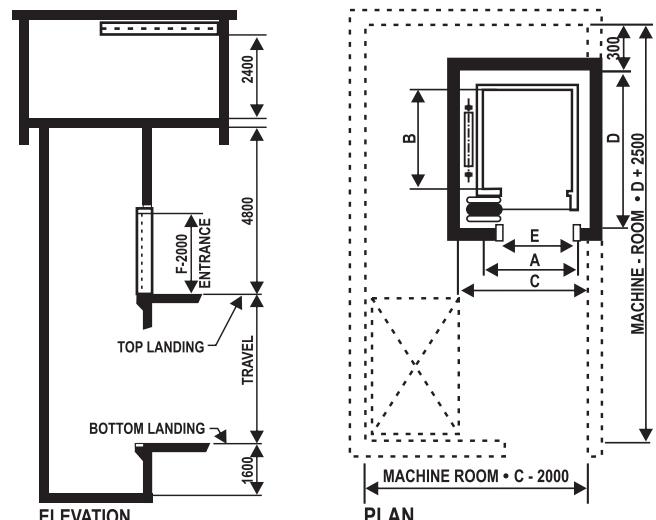
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ELEVATORS

### Hospital/Stretcher Elevators

The Vertical transportation system for modern hospitals have special requirements such as spacious & durable car, smooth comfortable travel, accurate stop with emergency control features and above all, reliability with safety. The car dimensions are as per the Indian Standard requirements for Hospital lifts.

We have proficiency in producing a broad range of stretcher lifts that can be fitted in a stretcher or medical component with no trouble. Main features of these lifts are used for hospital purpose, modified as per client specifications, the best possible performance, and smooth operation. These stretcher lifts are mostly employed in hospitals & nursing homes.

### Civil Dimensions



S. No.	LOAD		CAR INSIDE		LIFT WELL		ENTRANCE
	PERSONS	KG	A	B	C	D	E
1	15	1020	950	2400	1700	3000	800
2	20	1360	1300	2400	2200	3000	1200
3	26	1768	1500	2400	2300	3000	1200

#### NOTES :-

- The total headroom has been calculated on the basis of a car height of 2.0 m.
- In case of manually- operated doors, clear entrance will be reduced by the amount of projection of handle on the landing door.
- Although 15 persons capacity lift is not a standard one, this is included to cover lifts of smaller capacity which can be used in small hospitals.
- This is our standard data, for other special requirement please contact us.

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## Dumbwaiter Elevator

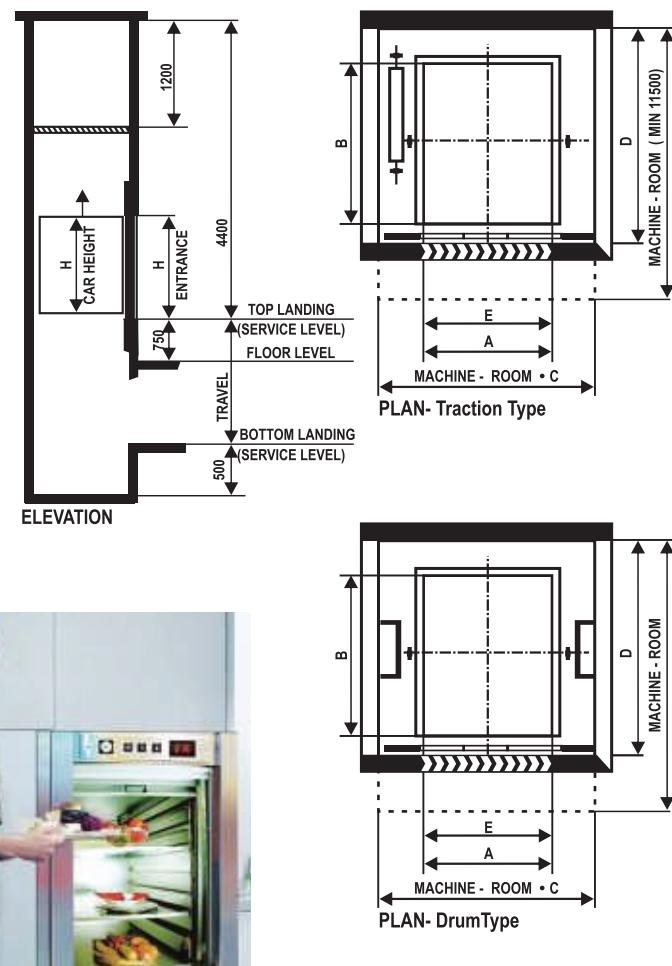


### Dumbwaiter Elevators (Drum Type/ Traction Type)

Dumbwaiters which are definitely a boom to large commercial organizations like hotels, restaurants etc. They can be designed to suit a specific application like carrying, food & other light weight stuff.

A small freight elevator is often called a dumbwaiter, mostly used for the taking of the small items such as dishes in a 2-storey kitchen or books in a multi-storey rack assembly. We have installed dumb waiters at renowned resorts, hotels, restaurants.

### Civil Dimensions



S. No.	LOAD KG	CAR INSIDE			LIFT WELL		ENTRANCE E
		A	B	H	C	D	
1	100	700	700	800	1200	900	700
2	150	800	800	900	1300	1000	800

#### NOTES :-

- Entrance width 'e' is based on assumption of provision of vertical bi-parting doors (no car door is normally provided).
- This is our standard data, for other special requirement please contact us.

## Goods & Freight Elevator



## Goods & Freight Elevators

### Traction Type

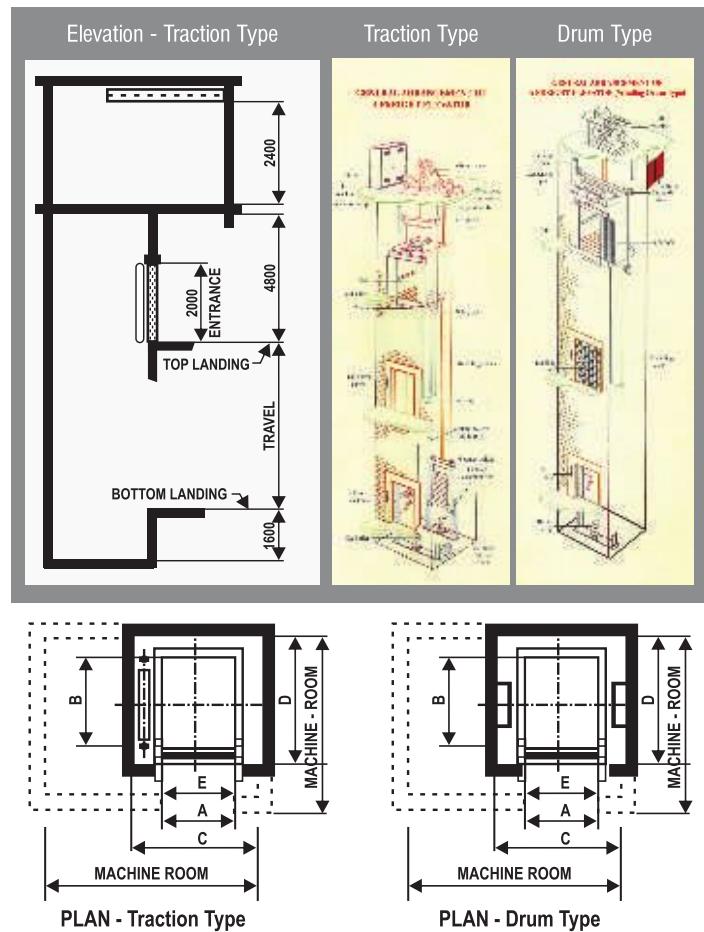
Unlike passenger lifts, these lifts operate at considerably reduced speeds. Higher speeds increase the running costs.

### Drum Type

The control system in these types of lifts is usually of the semi-automatic type, or is fully steering.

The lift-car is designed to withstand the heaviest load traffic, suitable protection at the entrance is given according to requirements. This ranges from Swing door type, M. S. Channeling, Imperforated doors. All safety gears, required under the Indian Factory Act, are provided in the lifts.

## Civil Dimensions



S .No.	LOAD KG	CAR INSIDE		LIFT WELL		ENTRANCE E
		A	B	C	D	
1	500	1100	1200	1900	1500	1100
2	1000	1400	1800	2300	2100	1400
3	1500	1700	2000	2600	2300	1700
4	2000	1700	2500	2600	2800	1700
5	2500	2000	2500	2900	2800	2000
6	3000	2000	3000	2900	3300	2000
7	4000	2500	3000	3400	3300	2500
8	5000	2500	3600	3400	3900	2500

### NOTES :-

- The width of the machine-room shall be equal to the lift well width 'c' subject to a minimum of 2500 m.m.
- The total headroom has been calculated on the basis of a car height of 2.2 m.
- Clear entrance width 'e' is based on vertical lifting car-door and vertical bi- parting landing doors for collapsible mid - bar doors the clear entrance width will be reduced by 200 m.m (maximum 1800 mm).
- This is our standard data, for other special requirement please contact us.

## Capsule Elevator

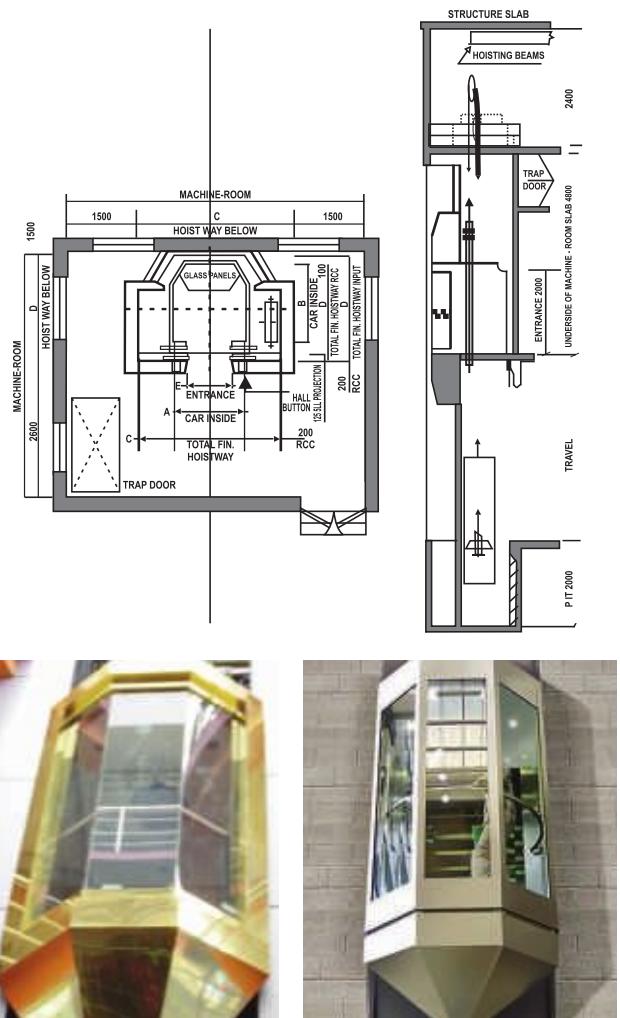


### Capsule Elevators

Capsule Elevators act as Architectural highlights on prestigious buildings. They can be called the ornaments of a building as they enhance its beauty and bring life into it. Their design, features and infinite options add its optimum travel comfort. They have aesthetically attractive interiors with large glass viewing panel. Capsule lifts demand specialized knowledge and we have the wide experience required to suit your particular concept in capsule elevator operations.

We provide all types of capsule lifts having ultramodern design to provide a cosmic zone experience to the passengers. The design provides an extremely silent operation. It is also reliable and economical with minimum maintenance. The VVVF close loop microprocessor controller incorporated with the system makes the whole operation very sophisticated.

### Civil Dimensions



Persons	Load	A	B	C	D	E	F
	PERSONS	KG	A	B	C	D	E
8	544	1150	1200	2000	1280	800	1350
10	680	1350	1400	2600	1300	800	2200
13	884	1350	1700	2600	1600	900	2500
16	1088	1600	1700	2800	1600	1000	2500
20	1360	1600	2000	3050	1900	1000	2800

Persons	Load	A	B	C	D	E	F	G
	PERSONS	KG	A	B	C	D	E	G
13	884	900	2100	2700	1200	800	2800	1600
16	1088	1100	2200	3000	1250	900	3000	1700

#### NOTES :-

- All Dimensions are in mm and based on automatic doors requirement.
- This is our standard data, for other special requirement please contact us.

## Car Elevator

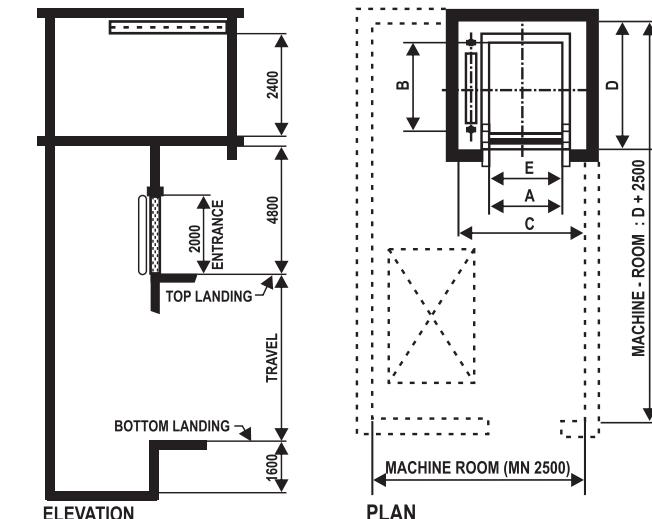


### Car Elevators

Our range of Car Elevator is extensively used for the easy movement of cars and vehicles across the floors of buildings, malls, hotels, hospitals and showrooms. Car Lifts are a significant part of high rise car parking.

Car lifts take care of features such as size, weight of the materials, to be transported and the system of handling. These are suitable for large parking of hundreds of car spaces, such as public parking with timely rates or private parking for big buildings. There are two operation panels in the car lift, which can make driver operate the lift without walking out of the car.

### Civil Dimensions



SR.No.	LOAD KG	CAR INSIDE		LIFT WELL		ENTRANCE E	REMARKS
		A	B	C	D		
1.	2000	1700	2500	2600	2800	1700	
2.	2500	2000	2500	2900	2800	2000	
3.	3000	2000	3000	2900	3300	2000	
4.	4000	2500	3000	3400	3300	2500	
5.	5000	2500	3600	3400	3900	2500	

#### NOTES :-

- The width of the machine-room shall be equal to the lift well width 'c' subject to a minimum of 2500 m.m.
- The total headroom has been calculated on the basis of a car height of 2.0 m.
- Clear entrance width 'e' is based on vertical lifting car-door and vertical bi- parting landing doors for collapsible mid - bar doors the clear entrance width will be reduced by 200 m.m. (maximum 1800 m.m.).
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## Bungalow Elevator



### Bungalow Elevators

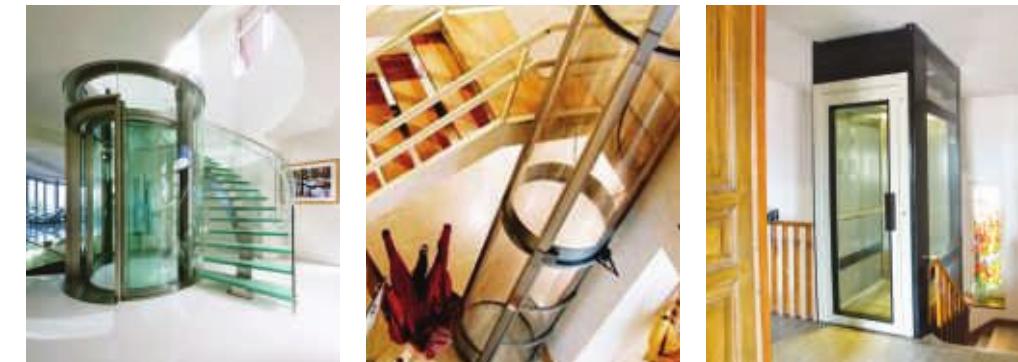
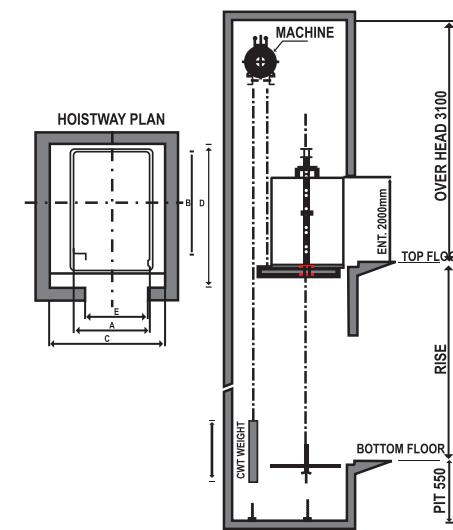
Home Elevators are designed to meet vertical mobility needs in public and private buildings. It is the ideal solution for elderly and impaired mobility persons which can finally move autonomously and free from stairs.

They are modern products, designed and manufactured to meet a wide range of needs : from the garage to the roof, you can move effortless up to 4 floors.

#### Main Features :

- \* Noiseless and easy to install
- \* Requires a small space

### Civil Dimensions



Door Operation	Load		Car-inside		Lift-well		Entrance	Speed(m/s)	PIT-Depth	Overhead
	Persons	KGS	A	B	C	D	E	0.3	550	3100
Manual Door	3	204	810	700	1100	1200	700	0.3	550	3100
Auto Door	3	204	810	700	1250	1250	700	0.3	550	3100

#### NOTES :-

- All Dimensions are in mm. and based on automatic doors requirement.
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## Manual Passenger Elevator



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### Manual Passenger Elevators

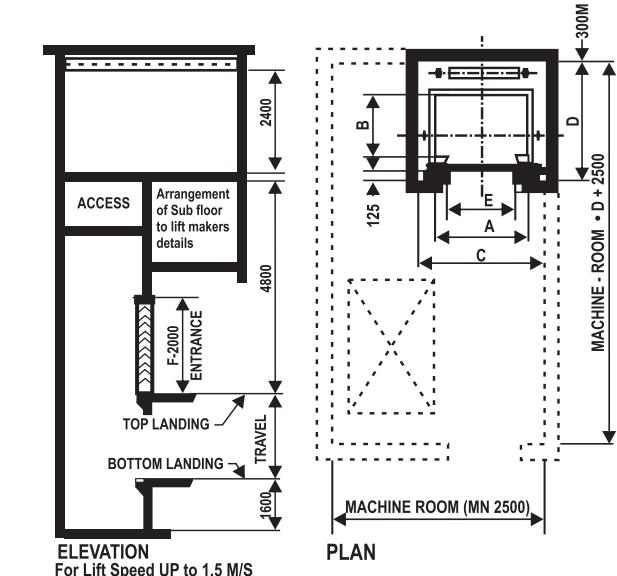
They are designed to suit every construction requirement, with trouble free performance and low maintenance cost.

Single speed lifts operate at a maximum speed of 40 meters (130 ft) per minute powered by specially designed lift duty Single Speed motors. High Speed lifts are manufactured with self leveling devices. Within a given speed range, floor leveling is adequate for normal passenger capacity as per Indian Standards.

The Lift Control System can be of Car Switch or Automatic Type. The Car switch type is for operation by an attendant, whereas the Automatic type comprises of feather touch or touch buttons at each landing which call the lift car and a series of buttons in the car which correspond to the floors to be served and operated by the passengers using the lift.

Each lift is fully equipped with the latest safety devices as required by the State Lift Acts prevailing in Gujarat, Maharashtra, West Bengal, Karnataka and New Delhi.

### Civil Dimensions



SR.No.	LOAD		CAR INSIDE		LIFT WELL		ENTRANCE
	PERSONS	KG	A	B	C	D	E
1	4	272	1100	700	1900	1300	700 / 800
2	5	340	1100	800	1900	1200	700 / 800
3	6	408	1100	1000	1900	1600	700 / 800
4	8	544	1300	1100	1900	1900	800
5	10	680	1350	1300	1900	2100	800
6	13	884	2000	1100	2500	1900	900
7	16	1088	2000	1300	2500	2100	1000

#### NOTES :-

- The total headroom has been calculated on the basis of car height of 2.0 m.
- In case of manually operated doors, clear entrance will be reduced by the amount of projection of handle on the landing door projects
- Four and Six passenger lifts are generally limited to a speed of 1.0 m/s
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## Solar Energy Elevator



### First time in India Solar Energy Lift A New Invention in Elevator.

#### ADVANTAGES OF SOLAR LIFT

- Energy saving up of 60% in comparison to a conventional model.
- Eco friendly/ Environment savvy
- Significantly simple & less costly to install & operate than standard 3 phase connection.
- Saving of Armored Cable / Extra Wiring
- Continuing Power / No Fluctuation

#### Solar Elevators

With a glimpse of innovation, Linkwel Elevators has introduce an elevator that can be powered exclusively by solar energy. Every company is trying to figure out how they can make their product more energy efficient with "GOING GREEN" and leaving a smaller carbon footprint becoming a popular trend, companies are doing what they can to stay with the times. To become more green company, This latest innovation offers energy saving up to 60% over a conventional model.

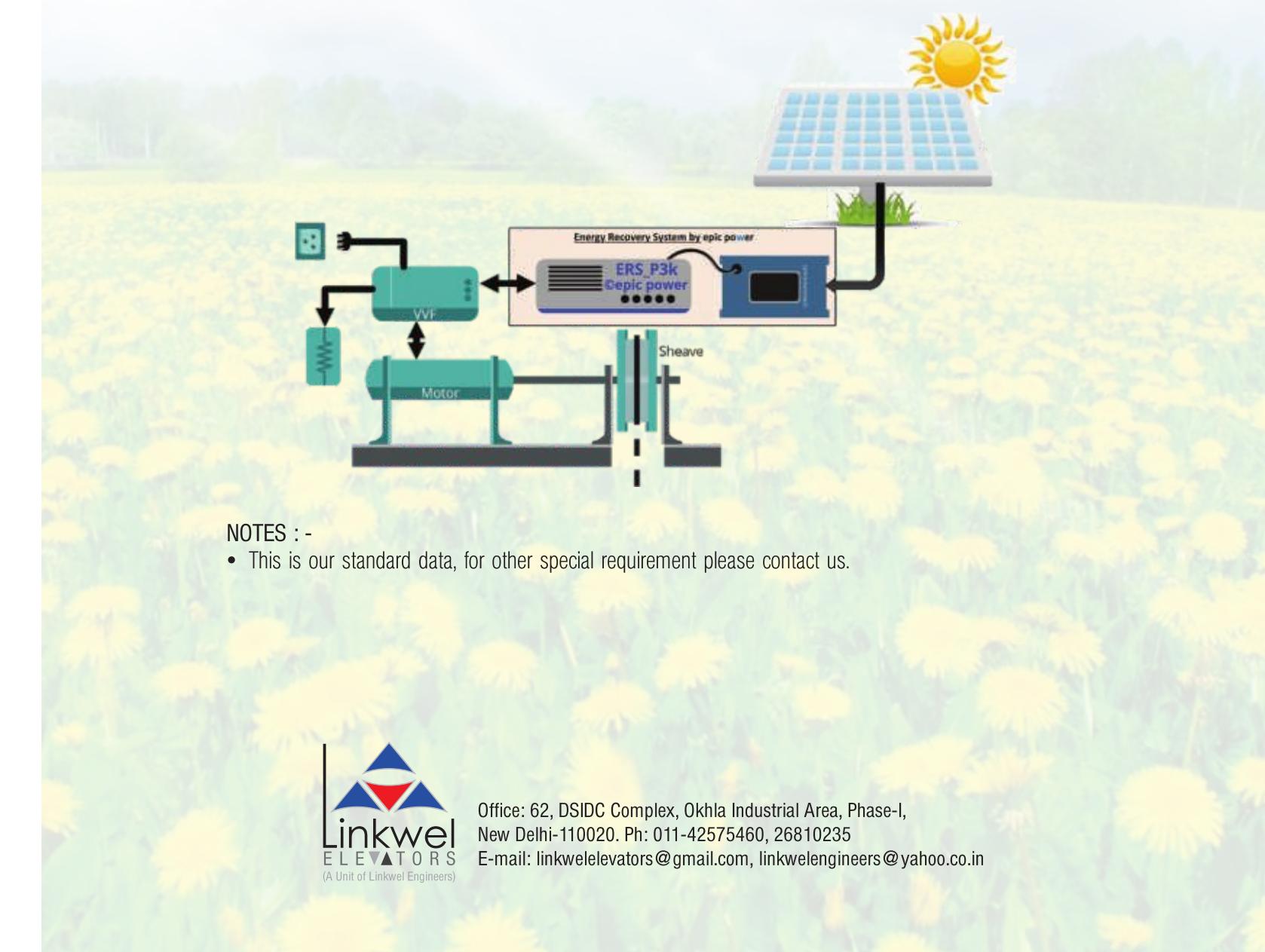
The elevator can be operated with solar energy or a combination of both depending on the configuration and available sunlight even a fully solar operation is feasible.

Solar panel are placed on the rooftop of the building to create the power for the elevator. The panels are sized based on the building's anticipated traffic and how much power would be needed during extended periods of reduced sunlight. The

energy that is captured by the solar panels can be used immediately & stored in batteries.

**STOP-LESS REDUCE DEVICE:** It is an another option of ARD with advanced level features, in general condition ARD functioned when power goes off-lift stops then ARD take few Seconds for functional & land the Passenger at nearest floor level. But with advance feature ARD you will not feel that power is gone, because as soon as the power goes the Lift is start in ARD mode without stop. That is why we can say it's a stop-less Reduce Device.

The solar elevator also offers unique advantages in markets that experience frequent power outages, a common & headache in developing world. Taping into the stored solar energy helps. Ensure continuing of operation & help minimize the risk of entrapments.



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