



ELEGANT



FUNCTIONAL



FLEXIBLE

THE SAFER, SMARTER  
**WAY TO MOVE UP**

# ABOUT US

We “**AERIX ELEVATOR**” proudly introduce ourselves as a Quality Centric Company engaged in Manufacturing, Supply, Installation, Testing, Commissioning, Repair, Modernization & Maintenance of Lifts of all types, be it Passenger, Hospital, Automobile, Goods or Dumbwaiter for Commercial, Industrial or Residential premises.



At the initial stages we were confined to Erection & Commissioning Contractor for renowned manufacturers of Elevator Industry. As we had envisaged a long term vision, all marketing activities were done under the brand ‘**AERIX**’ which fact has really paved the way for establishing a strong and brand-conscious organization in the days to follow.

We are one of the fastest-growing elevator companies, with our own state-of-the-art manufacturing facility located in SECTOR - 57, Faridabad (Haryana). Our products are manufactured using high-grade materials and are supported by the latest manufacturing technology and infrastructure, ensuring the highest reliability of all equipment installed by us.

## Salient Features

“**AERIX ELEVATOR**” offers the following Salient features ingrained in its basic fabric:

- Designed & Engineered to ensure smooth, comfortable & quiet ride
- Variable Frequency Drive Systems to deliver perfectly controlled power to traction machines & door drives
- Economical operations throughout lift life cycle
- Maximum Flexibility in car, door and shaft dimensions. Less space for components, more room for you to use profitably
- Future ready to interface with Next Generation technologies
- Multiple design options to suit building interiors
- Contact-free sensors assure millimeter-precise levelling with the floor for safe, seamless movement of passengers & goods in and out of the lift

## Our Product Range

TYPES	DOORS	MODE OF OPERATIONS
Passenger Lifts	SS Automatic	Micro Processor Controlled
Industrial / Goods Lift	MS Automatic	Full ColleSystemctive
Hospital / Stretcher Lifts	Glass	Down Collective System
Capsule Lifts	Swing	Simplex / Duplex
Car Lifts	Telescopic / Side Opening Auto	Triplex / Quadruplex
Hydraulic Lifts	Collapsible Gates	

# PASSENGER LIFT

“**AERIX ELEVATOR**” are designed to carry persons to its contract capacity between floor levels of a building. These are typically powered by Electric Motors that drive traction cables and counter weight system for its operation. It provides comfortable, elegant, quick & safe UP/DN movement for passengers.

We combine state-of-the art Elevator Technology with Aesthetic Appearance & Safety features for a disruption free user experience. We offer our lifts in various passenger capacities, speeds & an array of functional features and interior layouts to choose from.



# HOSPITAL/STRETCHER LIFT

“**AERIX ELEVATOR**” are designed primarily for moving stretchers with patients up and down in a hospital. These lifts are offered in various carrying capacities of stretchers with patient, related critical care equipment's, accompanying hospital staff & patients relatives.

When designing lifts for the medical environment, the objectives are utmost reliability & safety. Special attention is paid to hygiene and hence materials have been carefully selected to be aesthetically pleasing & easy to clean.



# FREIGHT/GOODS LIFT

“**AERIX ELEVATOR**” are designed to Lift / Transferring Industrial Goods between floor levels of a Factory building / Storage Facilities. These lifts are designed and manufactured as per the set Industrial norms using high- quality material with the aid of modern technology. Its available in various specifications & can be customized as per specific requirements. These are the perfect solutions is multilevel store buildings/warehouses for efficient operation throughout the building.



# CAPSULE LIFT

“ **AERIX ELEVATOR** “ are designed as Architectural highlights for prestigious buildings. It offers high visibility to its passengers and have aesthetically attractive interiors. We have employed great artistry to combine aesthetics with functionality. These lifts can be installed on the exterior face of the building or in lobby. Lifts are available in 3 side glass capsule, 5 side glass capsule as well as round shape.

Widely used in Shopping Malls, Commercial Complexes and Hospitality Industry, these lifts with its plush interiors, soft & silent vertical motion and bird's eye view of the outer world are synonymous with luxury in vertical transportation.



# HOME LIFT

“ **AERIX ELEVATOR** “ Home Lifts are an effective solution for Bungalows, Duplexes, Villas & Penthouse etc. These lifts require less space for pit or headroom than the conventional lifts thus making it more suitable for domestic and private usage. These lifts can operate on single phase as well as three phase power supply.



# CAR LIFT

“ **AERIX ELEVATOR** “ are designed for moving cars in condominiums, car showrooms, garages, homes & more. We provide compact, easy to use basement / rooftop parking solutions for crowded places and high density spaces at a fraction of the cost. Car lifts are an investment with the potential for instant payoff in modern urban development, allowing for significant space savings and design flexibility for building planners & architects.



# HYDRAULIC LIFT

“**AERIX ELEVATOR**” uses hydraulic apparatus to lift objects using the force created when pressure is exerted on oil inside a cylinder which moves a piston upwards. When a valve opens to release the oil, the piston lowers by gravitational force. They have an ultra smooth ride quality & are typically very quiet. These lifts don't require a pit or headroom and operate on single phase power supply.



Person	Capacity	Car-W	Car-F	Shaft	Shaft
	KG	(A)	(B)	(C)	(D)
3	204	800	1500	1500	1500
4	272	850	1050	1550	1550
5	340	1000	1200	1600	1600
6	408	1100	1250	1700	1700
8	544	1200	1500	1700	1800
10	680	1200	1700	1700	2000
12	844	1300	1800	1900	2100
15	1088	1300	2200	2000	2500
20	1428	1400	2500	2100	2800
24	1700	1500	2500	2200	2800

## GEARLESS MACHINE

Gearless traction machine means a traction machine without intermediate gearing, which has the traction sheave and the brake drum mounted directly on the motor shaft. A brake is mounted between the motor and drive sheave to hold the lift stationary at a floor. This brake is usually an external drum type and is actuated by spring force and held open electrically; a power failure will cause the brake to engage and prevent the lift from falling. This invention allows the mechanism to have short length with large diameter and is compact in size and weight which allows installation in a small space. It is less noisy and provides unsurpassed smoothness and ride quality.



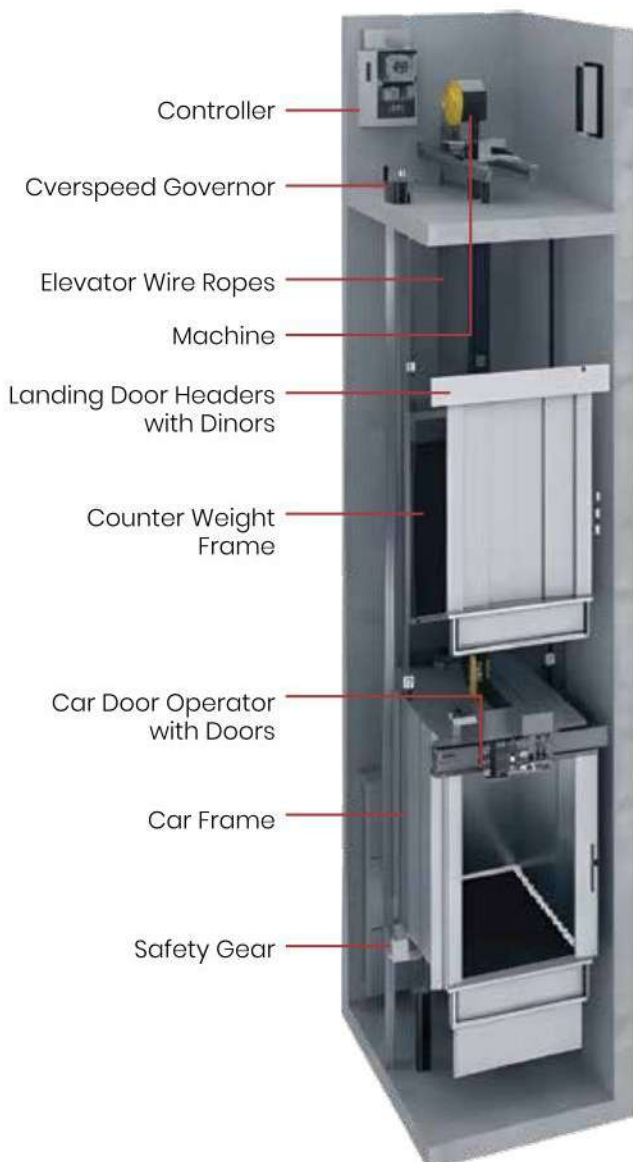
## GEARED MACHINE

Geared traction machines are driven by AC electric motors. Geared machines use worm gears to control mechanical movement of lift cars by "rolling" steel hoist ropes over a drive sheave which is attached to a gearbox driven by a high speed motor. An electrically controlled brake between the motor and the reduction unit stops the lift, holding the car at the desired floor level.

# MACHINE ROOM LESS (MRL)

These lifts do not have a fixed machine room on the top of the Hoistway, and thus saves much building space. These are designed such that most of the components fit within the shaft containing the liftcar and a small cabinet houses the elevator controller. The main controller is installed on the top floor, next to the landing door. Like normal traction lifts we are using conventional steel ropes as hoisting cables. These lifts have low vibrations and are extremely smooth in running.

## WITH MACHINE ROOM



## WITHOUT MACHINE ROOM



- Latest Global Technology
- Smooth Travel Performance
- Versatile Design Compatibility
- Energy-Efficient Operations
- Optimised Construction Cost
- Safe & Reliable

# INTEGRATED SERIAL & PARALLEL CONTROLLER

Intelligent Integrated Panels have the latest highly advanced global technology of Micro Controller based panel with serial & parallel communication system incorporating field proven and field programmable sophisticated software to ensure efficient and reliable service.

These panels are sturdy in construction, durable and have long service life. It uses advanced frequency conversion vector control technology, intelligent lift control technology, network communication technology organically integrating the lift drive & control management into one.

The system can be performed for single speed, two speed or Variable Frequency Drive (VFD) with either manual or auto door operation available for all types of applications. Error message display in LCD/Dot Matrix/7 segment modes included for quick fault diagnosis and speedy debugging of controller.



## USES OF VFD

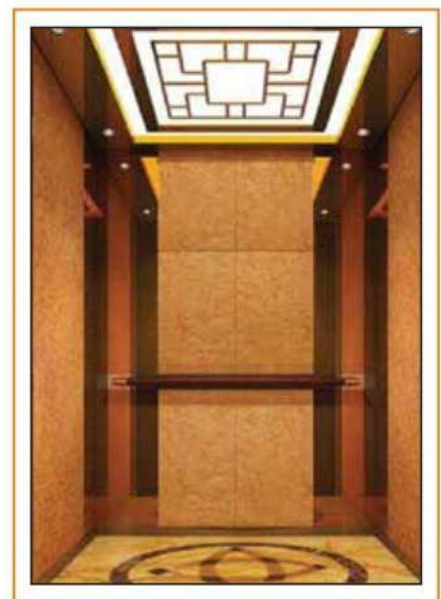
- Helps in setting/altering any parameters at site
- All input signals NO/NC selection can be set on site
- Power on reset run to ground floor is not required
- All inputs and outputs are user programmable
- All parameters can be password protected
- Helps in Providing under voltage, over voltage and earth protection

# LIFT SAFETY FEATURES

“**AERIX ELEVATOR**” is very much concerned about the safety features of lifts being offered. This gives passengers a safe & dependable ride and reduce the chance of accidents. Some of these standard features are:

- Automatic Rescue Device (ARD) - An advanced rescue system for rescuing passengers from lift in case of Power Failure. Manual rescuing is time consuming and prone to heightened anxiety amongst passengers. Attempts to manually rescue may also result in injuries if done by untrained persons. ARD provides required power to move the lift car to its nearest landing and open the door automatically for rescue of passengers.
- Infrared Full Length Door Sensors - It projects a curtain or zigzag and direct beams to detect person/object in path of closing door and opens the same.
- Door Interlocking
- Overspeed Governor
- Emergency Alarm
- Emergency Stop Switch
- Fireman Switch
- DBG Mechanical
- Safety Final Limit Switch

# CABIN DESIGNS



# LANDING DOORS



MS Imperforate Door



MS Swing Door



MS Collapsible Door



Glass Door

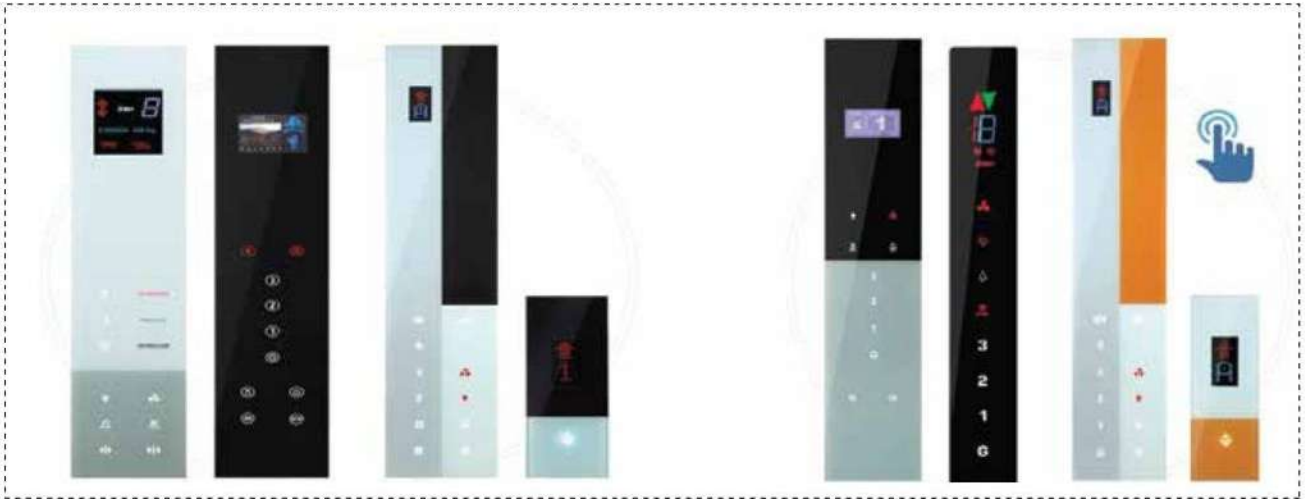


SS Hairline Autodoor



Half Vision Glass Door

# COPs / LOPs



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