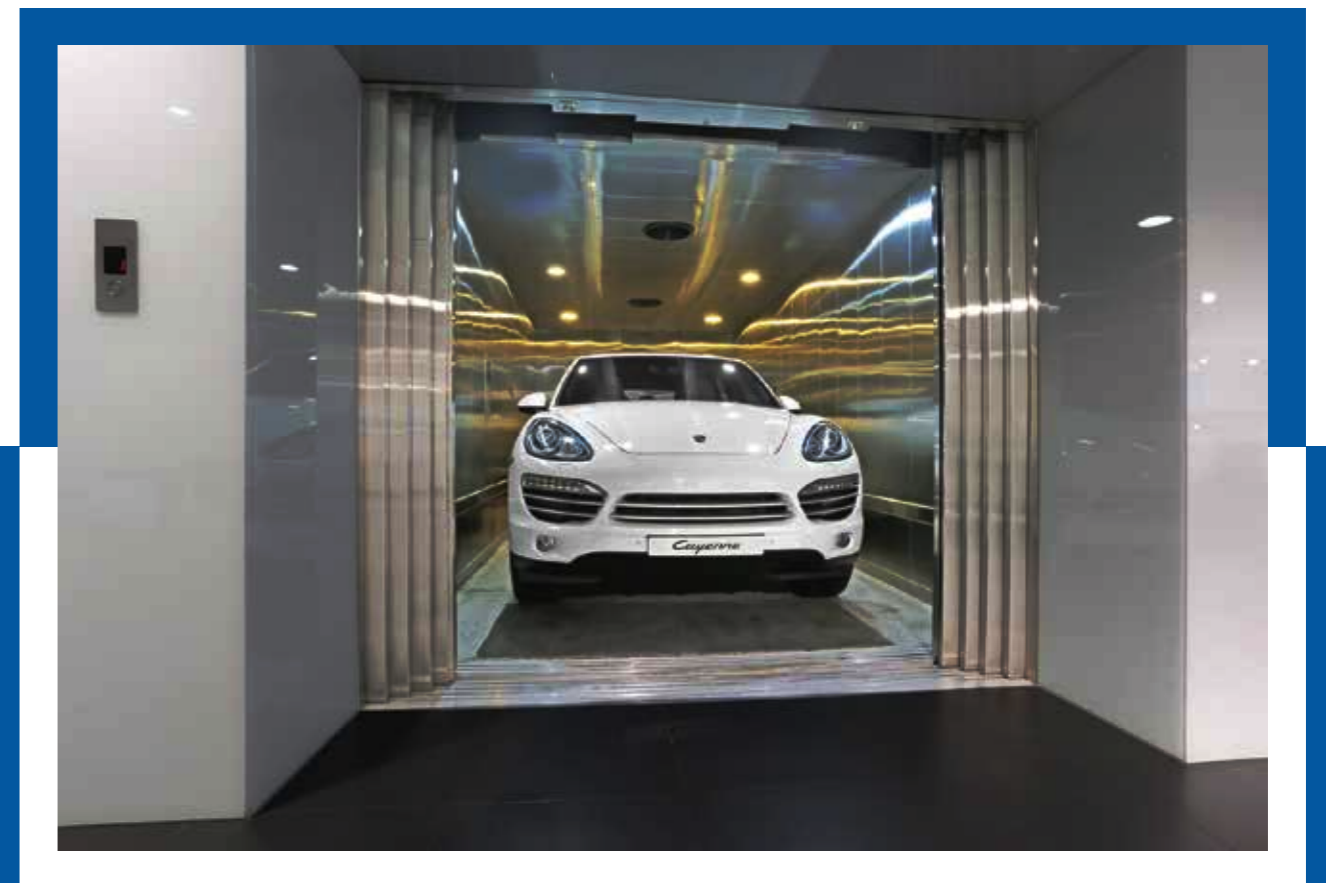


# PRESENTING AUTOMOBILE ELEVATORS



## **EASA Elevators Private Limited**

Head Office: No:2, Aravali Complex, Rajiv Colony, Near Rajiv Chowk, NH-8 Gurgaon-122001, Haryana

### **EXPERIENCE CENTRES**

SCO 32, JLPL Sector 82, Mohali-160082, Punjab

No:3, Aravali Complex, Rajiv Colony, Near Rajiv Chowk, NH-8, Gurgaon-122001, Haryana

### **MANUFACTURING FACILITY**

G-1, 603, 604-605, RIICO Industrial Area, Khuskhera Rajasthan-301707

### **SALES AND SERVICE**

Delhi NCR | Haryana | Uttarakhand | Punjab | Rajasthan | Uttar Pradesh | Himachal Pradesh | Jammu & Kashmir

Email: [info@easa.in](mailto:info@easa.in) | Website: [www.easaelevators.in](http://www.easaelevators.in)

**PRECISE ENGINEERING AND PERFORMANCE**

# ABOUT EASA

## VISION & VALUE



To be your first choice in designing, supplying, installing and maintaining the Automobile Elevators. We are motivated with technological advances and are keen to supply quality material.

We invest in progress and innovation.

EASA believes in health and safety of our Customers, Employees and Users. We motivate, support and participate.

## CUSTOMER COMMITMENT



Thanks to our qualified team, we are able to guarantee world class products and work in terms of "Safety & Ride Quality" today.

EASA caters to individual needs of each customer in terms of Installation, Designs, Cabin Interiors, Type of doors and we also create customised products for each project with the best solutions.

## MARKET LEADERSHIP



With over two decades of experience EASA has established as a leading Company in the design, manufacturing, sales and installation of all type of Passenger Elevators, Panoramic Elevators, Freight Elevators, Automobile Elevators, Dumb Waiters, and Elevators in Steel Structures. EASA has its own manufacturing facility and independent logistic facility at Khushkhera.

## INNOVATION & ECO DESIGN



Constant Innovation in Technology with Environment Criteria has resulted in High speed lifts with Low powered Gearless Machines, hence minimising the environmental impact.

DPC The Innovative "Design Product Concept" for the lift Interiors has added a new dimension of a "Lifestyle Product" for your building. The designs are breathtaking, very sturdy, fire resistant and never seen before.

## SERVICES



A motivated team of engineers, technicians and call centre is pressed into service to ensure a trouble free operation. We have achieved the highest uptime in the industry.

We offer comprehensive Maintenance package at reasonable rates.







## HOW TO CHOOSE AN AUTOMOBILE ELEVATOR

The lift rules demand an Elevator is to be installed as per IS specifications 14665 in force and The Automobile Elevator installed should be safe for the travel of both Automobile & the Driver (Passenger)



### ELEVATOR TRAVEL SPEED

The general speed for Automobile Elevator is 0.5 meters/sec (30mtrs/min) and some elevators are designed for speeds of 0.65 or 1.0 meters/sec.



### LOADING

- Front loading: Only one side loading and unloading on all floors.
- Front & Rear (opposite) side loading/unloading means loading on either front side or rear side from any floors.



### TYPES OF DOORS

**Choice of Automatic Doors or Manual Collapsible Doors.**

- AUTOMATIC DOORS: These are becoming a general international standard. Most common are 6 Panel centre opening doors.
- MANUAL DOORS: Most common Manual doors are Collapsible doors.



### INTERIORS

**STAINLESS STEEL:** Stainless Steel interiors.

**MILD STEEL:** Mild Steel surface coated (Painted or Power coated) sheets are a general standard for the industry.



### SYSTEM

The Elevator has to be of traction type means a counter weight system, the counter weight slides on a separate set of rails.

This facilitates more number of ropes, better safety, increased motor efficiency and lower consumption of power etc.



## HOW TO CHOOSE AN AUTOMOBILE ELEVATOR

### CONTROLLER



The most common type of control system is a Microprocessor controller. Choosing a controller with a certification like CE Certified ensures better safety and assured quality.

### VARIABLE FREQUENCY VARIABLE VOLTAGE (VVVF DRIVES)



VVVF Drives are commonly used for smooth start & stop and more accurate floor leveling facility. You also save 30% energy (Electrical Consumption) and improved mechanical efficiency.

### THE ELEVATOR MACHINE



**The Geared Machine for elevators are designed differently for the following reasons:**

The static load comprising of weight of cabin, counterweight and ropes, this is many times more than the actual payload, hence the gearboxes have bigger worm wheels as the output shafts are larger in diameters to sustain large Static Loads.

There are specialised manufacturers for Elevator Gearboxes. Standard gearboxes are not recommended.

### SAFETY



Over speed Governor along with a Sturdy Safety Brake is mandatory. Over speed Governors along with the Safety Brake stop the free fall of a elevator when the downward movement of the Car is over a speed of 20% of the Elevator rated speed.

Other important safety is of a mechanical interlock on doors to prevent opening of Landing doors when the cabin is not at floor level and an electrical interlock to prevent cabin movement when the door is open.

### AUTOMATIC RESCUE DEVICE (ARD)

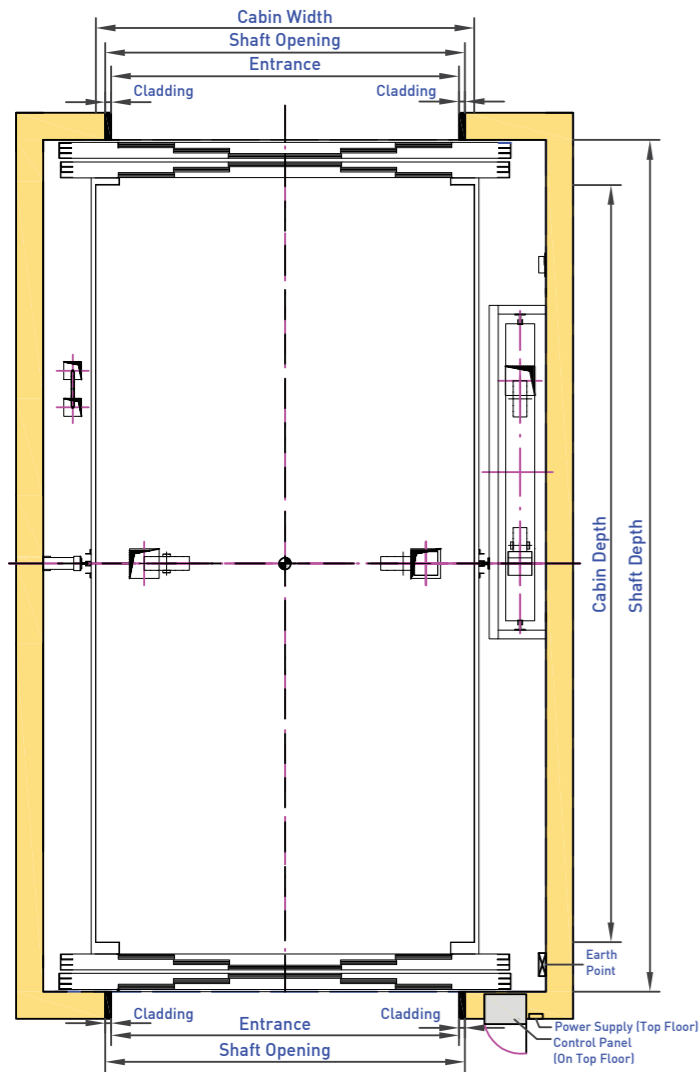


Automatic rescue device is incorporated to rescue people and cars get stuck in the elevator during a Power Loss.

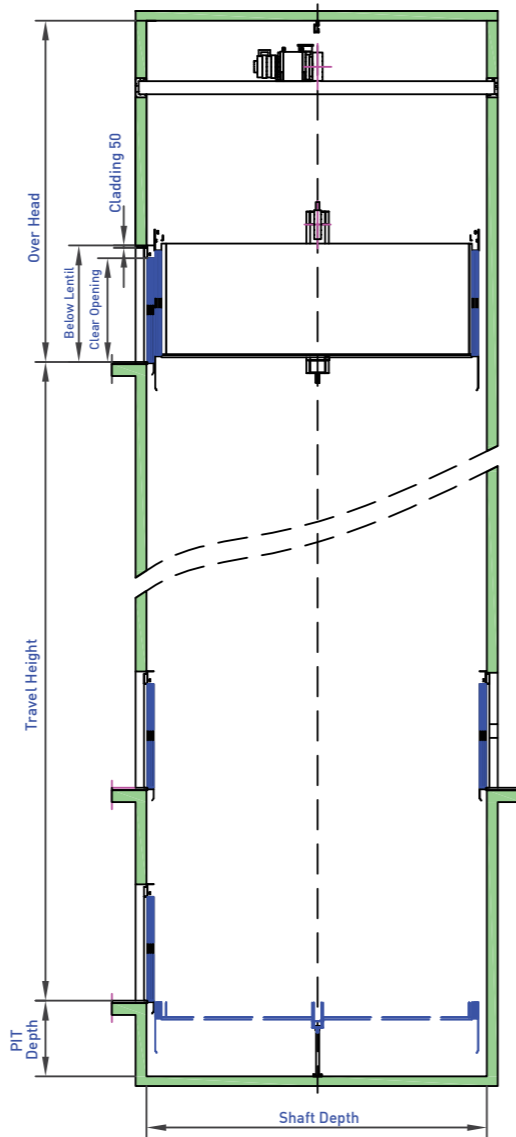


# AUTOMOBILE ELEVATOR MACHINE ROOM LESS

LIFT WELL PLAN



LIFT WELL ELEVATION



## AUTOMATIC DOORS

CAPACITY Kgs.	CAR INSIDE		LIFT WELL		ENTERANCE	
	WIDTH	DEPTH	WIDTH	DEPTH	WIDTH	HEIGHT
2000	2600	5500	3600	6240	2300	2200
2500	2800	5800	3800	6540	2400	2200
3000	3000	6000	4000	6740	2600	2200
4000	3200	6200	4300	6940	2800	2400
5000	3500	6500	4600	7240	3000	2400

CAPACITY	LIFT SPEED METERS/SEC.	PIT DEPTH	OVER HEAD	CLEAR(DOOR) OPENING	BELOW LENTIL FROM	
					Manual	Automatic
2000 TO 3000 Kgs.	0.50 to 1.0	1800	6000	2200	2250	2460
3000 TO 4000 Kgs.	0.50 To 0.75	1800	6200	2200	2250	2460
4000 TO 5000 Kgs.	0.50 To 0.75	1800	6200	2400	2250	2660

NOTE :-

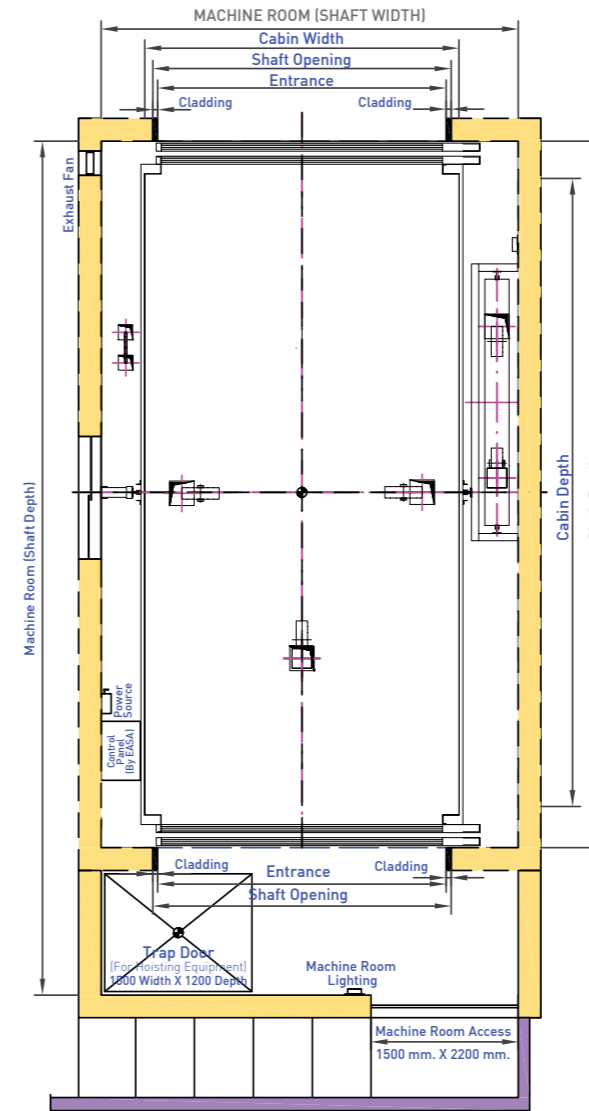
- All dimensions are in millimeters.
- All dimensions are for clear finished lift wells after plastering.
- All walls minimum 150 RCC or 230 brick (hoist way front wall 230 brick preferred).
- Power supply 400 volts, 3 phase, 4 wires, 50Hz and 230 volts 1 phase terminating in a MCCB/ELCB switch to be provided by clients.
- For specific requirements our local representative will be happy to work with you in a preparation of working drawings.

## MANUAL DOORS

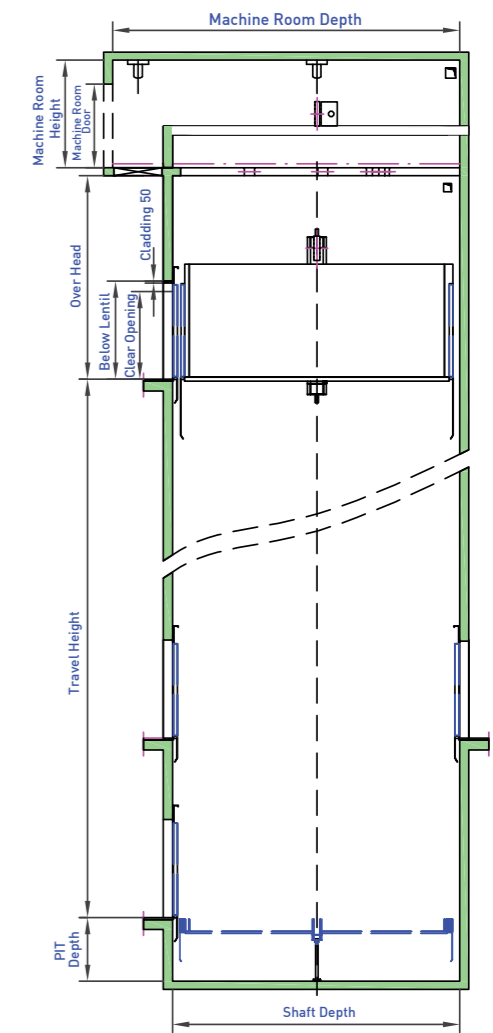
CAPACITY	CAR INSIDE		LIFT WELL		ENTERANCE	
	WIDTH	DEPTH	WIDTH	DEPTH	WIDTH	HEIGHT
2000	2400	5500	3300	5900	2300	2200
2500	2600	5800	3500	6200	2400	2200
3000	2800	6000	3700	6400	2600	2200
4000	3200	6200	4200	6600	2800	2400
5000	3500	6500	4500	6900	3200	2400

# AUTOMOBILE ELEVATOR WITH MACHINE ROOM

LIFT WELL & MACHINE ROOM PLAN



LIFT WELL ELEVATION



## MANUAL DOORS

CAPACITY Kgs.	CAR INSIDE		LIFT WELL		ENTERANCE	
	WIDTH	DEPTH	WIDTH	DEPTH	WIDTH	HEIGHT
2000	2400	5500	3300	5900	2300	2200
2500	2600	5800	3500	6200	2400	2200
3000	2800	6000	3700	6400	2600	2200
4000	3200	6200	4200	6600	2800	2400
5000	3500	6500	4500	6900	3200	2400

## AUTOMATIC DOORS

CAPACITY	CAR INSIDE		LIFT WELL		ENTERANCE	
	WIDTH	DEPTH	WIDTH	DEPTH	WIDTH	HEIGHT
2000	2600	5500	3600	6240	2300	2200
2500	2800	5800	3800	6540	2400	2200
3000	3000	6000	4000	6740	2600	2200
4000	3200	6200	4300	6940	2800	2400
5000	3500	6500	4600	7240	3000	2400

CAPACITY	LIFT SPEED METERS/SEC.	PIT DEPTH	OVER HEAD	CLEAR(DOOR) OPENING	BELOW LENTIL FROM	
					Manual	Automatic
2000 TO 3000 Kgs.	0.25 to 0.32	1800	4800	2200	2250	2460
3000 TO 4000 Kgs.	0.32 To 0.5	1800	5000	2200	2250	2460
4000 TO 5000 Kgs.	0.25 To 0.5	1800	5000	2400	2250	2660

NOTE :-

- All dimensions are in millimeters.
- All dimensions are for clear finished lift wells after plastering.
- All walls minimum 150 RCC or 230 brick (hoist way front wall 230 brick preferred).
- RCC machine room structural floor slab 150 thick designed to sustain minimum 1000 Kg./ M<sup>2</sup>UDL.
- Power supply 400 volts, 3 phase, 4 wires, 50Hz and 230 volts 1 phase terminating in a MCCB/ELCB switch to be provided by clients.
- For specific requirements our local representative will be happy to work with you in a preparation of working drawings.

## AUTOMOBILE ELEVATOR WITH AUTOMATIC DOORS

### WALLS

**STAINLESS STEEL**  
(Hairline Finish)



**MILD STEEL**  
(Grey)



**MILD STEEL**  
(Indian Ivory)



### CHECKERED PLATE FLOORING

**MILD STEEL**



## AUTOMOBILE ELEVATOR WITH MANUAL DOORS

### WALLS

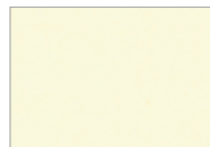
**STAINLESS STEEL**  
(Hairline Finish)



**MILD STEEL**  
(Grey)



**MILD STEEL**  
(Indian Ivory)



### CHECKERED PLATE FLOORING

**MILD STEEL**



## OTHER PRODUCTS



**EASA Passenger Elevators** comprise of a wide range of Machine Room Less and Machine Room type Elevators. We pioneer in Gearless machines and ECO friendly

elevator installations. Standard and custom made elevators are designed as per your specific requirements.



**Freight Elevators** are capable of carrying heavier loads than a passenger elevator, generally from 525 kg to 5000 kg. Freight Elevators have rugged interior finish to prevent damage while loading and unloading, they are intended to carry both passengers as well as freight. They are generally custom designed for weight, volume and speed etc.



**Dumbwaiters** are small service Elevators utilized in Homes, Hotels, Hospitals, Banquet Halls, Libraries, Industrial Kitchens, Departmental Stores & Restaurants etc. These lifts are used for transferring various materials between floor levels.



**Stretcher Elevators** are used in hospitals as part of medical care infrastructure. They have special features such as smooth jerk less travelling, low power consumption, accurate levelling, emergency control features and above all, reliability with safety. The sturdy floors and interiors ensure convenience and longevity.