

# ALL TYPE OF LIFT PARTS AND LIFT KIT INSTALLER



**JAY AMBE  
ENGINEERS**

ISO 9001:2015

*Advance Technology  
Thoughtful Design  
Excellent Flexibility*



Mfg. Lift Duty Reduction Gear Box  
Ele. Motor, FABRICATORS & Other Spare Parts

[www.jayambeengineers.com](http://www.jayambeengineers.com)

## A LITTEL ABOUT US

### “A Whole New World of Elevators & Escalator Products”

Major urban development is made possible due to the ventricle transportation technology. We at JAY AMBE Elevators are determined to play a major role in vertical transportation of all kinds.

Harmonic design with soft colour reflects the protective and friendly atmosphere of living environment. However, functionality is first and fore most. At the sometime, We also place emphasis on important criteria such as high durability, easy service, safety, comfort and spaciousness. A range of Powder coated and Stainless Steel cars with PVC Floors & Optional mirror giver a comfortable atmosphere.

### PRODUCT RANGE

#### Range of Elevators

- Capsule/Panoramic Elevator
- Home/Bungalow Elevator
- Passenger Automatic & Manual Elevator
- MRL High Speed Gearless Elevator
- Goods Cum Passenger Elevator
- Car Elevator
- Hospital Elevator
- Pitiless Elevator
- 2 & 3 Side Opening Elevator
- Hydraulic Elevator
- Machine Room Less (MRL) Elevator

#### Range of Doors

##### AUTOMATIC DOORS

- Full Vision Glass Door
- Half Vision Glass Door
- Semi Vision Glass Door
- Center Opening Door
- Ms-Telescopic Door
- Glass Swing Door

##### MANUAL DOORS

- Collapsible Door
- Imperforated Door
- Swing Door
- Telescopic Manual Door





### **CAPSULE/PANORAMIC ELEVATOR**

Capsule/Panoramic Elevator is backed by advanced control technology applying fully digital vector variable frequency drive technology and a flowing scenery in the urban city. Basically, installed in shopping malls, Complex, Apartments, etc.



### **HOME/BUNGALOW ELEVATOR**

Home/Bungalow Elevator is designed to meet vertical mobility in public and private buildings. A Solution for elderly People living in multi-floor homes. It does not require machine room, which gives the architect option to use that space for other requirements of their clients.



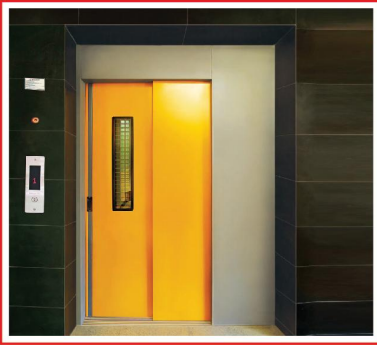
### **AUTO DOOR ELEVATOR**

Auto Door Elevator is durable by design and accurate by technology. To Provide best vertical transportation solutions, with trouble free performance and low maintenance cost, this is a most reliable and designed to suit every construction requirement.



### **MRL HIGH SPEED GEARLESS ELEVATOR**

(Gearless High Speed) lifts are traction Elevator that features a compact motor drive mounted inside the lift shaft. Our conventional High Speed Elevator are available in range of speeds from 1.0 m/sec. to 2.5 m/sec. with dual disk breaks. MRL lifts allow fast, powerful and energy efficient transportation.



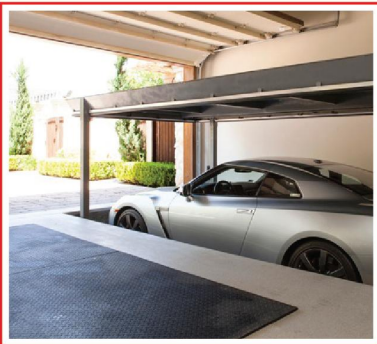
## MANUAL DOOR ELEVATOR

Manual Door Elevator is durable by design and accurate by technology. Several types of manual door elevators manufactured as per customer need have excellent record of customer satisfaction.



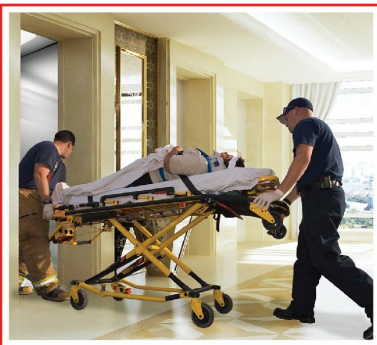
## GOODS CUM PASSENGER ELEVATOR

Goods Cum Passenger Elevator is essentially designed to fulfill material handling requirements of various industries, buildings, hotels, etc. where floor leveling accuracy is of paramount importance and it would be sane idea to install V3F drive in these elevators.



## CAR ELEVATOR

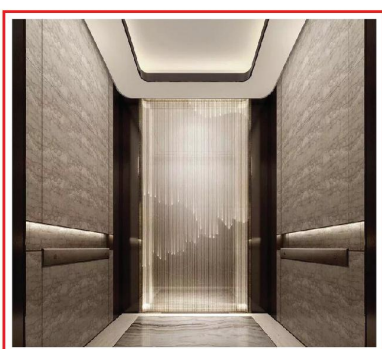
Car Elevator is installed in buildings where ramps are not possible to construct, due to space constraints. These have Auto/Manual Door opening options with two side opening option. These are safe and reliable.



## HOSPITAL ELEVATORS

Hospital Elevator is used for simple transportation of patients on wheel chair to wheeling away a critical patient on stretcher without disturbing his life support system, with Doctors and nurses. These are smooth, silent and swift without jerks and shocks.





## PITLESS ELEVATORS

Pitless Lift is an innovative lift solution designed for use in existing buildings which have limited pit (min. 300mm) and headroom (min. 3900mm) space available covering capacities from 4 to 8 passenger. Its adaptability to the space allocated allows it to take maximum advantage of existing stairwells which can be small and restrictive. Rated speed is available in 0.5m/s to 1 m/s with Side or Center Opening Doors in Single Entry (0 degree), Thru Car (1 80degree) or Adjacent (90degree) entrance arrangements.

## 2&3 SIDE OPENING ELEVATOR

2&3 Side Opening Elevator is unique of its kind which opens on several sides of floor. Automatic Doors are installed in it which opens on different floors as per Customer's need.

## HYDRAULIC ELEVATOR

Looking for a low-maintenance elevator? Hydraulic Lifts provide the advantages of being relatively inexpensive, safe and easy to maintain. They have been rated as the safest option for Home Elevators. They have machine room located at the basement.

## MACHINE ROOMLESS ELEVATORS (MRL)

Elevator brings you a revolutionary concept in the field of elevators to give you absolute freedom in designing MRL- Machine Roomless Elevator. It consumes less electricity and is the latest technology in the world.

## DOORS

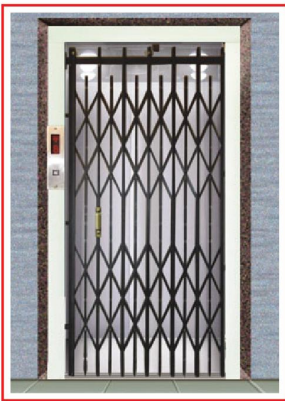
We manufacture Elevators with Manual and automatic doors. Various types of manual doors and automatic doors are available to suit the site conditions and also to suit the needs of various costumers.

## TYPES DOORS

Manual Door  
Power Operated Door (Auto-Door)

### RANGE OF MANUAL DOORS

People continue to erect monumental sky croppers and make small buildings handicap accessible, elevators will become an even more pervasive element in the society. Manual Doors includes Collapsible, Swing, Imperforated and Telescopic Doors.



COLLAPSIBLE



SWING



IMPERFORATED



TELESCOPIC

### RANGE OF AUTO-DOORS

The Automatic Doors at grocery Stores and Office buildings mainly exist for convenience. On the other hand, they are absolutely essential and keep people from falling down an open shaft. We offer Full-Vision, Half-Vision, Centre Opening Doors as well as MS-Telescopic Doors where there is a space constraint.



FULL-VISION



HALF-VISION



CENTER OPENING



MS-TELESCOPIC

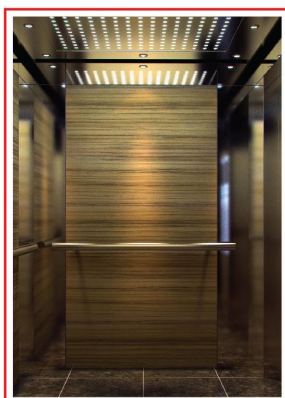


## RANGE OF CABINS

We manufacture Elevator with various types of cabins to suite the Taste of every client. We have a range which starts from basic Mild Steel Powder coated cabins to Premium designer Stainless Steel Cabins.

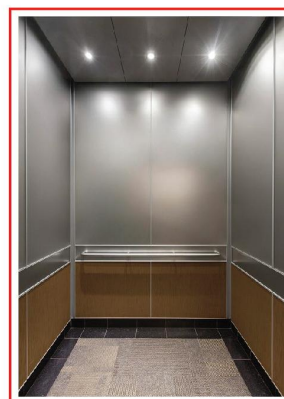
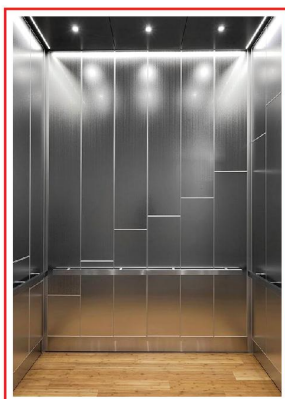
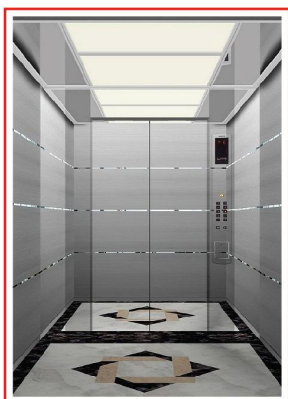
### MILD STEEL POWDER COATED CABINS

The powder coating process is done very carefully seeing to it that each of the panels is perfectly done. This prevents the Mild Steel material from rust



### STAINLESS STEEL CABINS

Stainless Steel Hairline Finish Cabin give a good feel to the cabin, these cabins do not need painting for lifetime. We use Grade-304 Stainless Steel so as to avoid any rust from taking place and lasts throughout life time. The center panel on the rear side of the cabin is made from the stainless steel mirror finish sheets. This adds to the overall feel and is also a better option as compared to using glass mirrors as there will be no breakage or need for replacement.



### FITTINGS

This Series of Elevator is fitted with Flat Panel LED lights in the Cabin, Modern Push Buttons, and Scrolling Dot Matrix Led indicator for direction.

LOP-COP



### SENSOR

To avoid any body from getting stuck in between the elevator doors during the closing, every elevator with power operated doors is equipped with infra-red safety sensors.



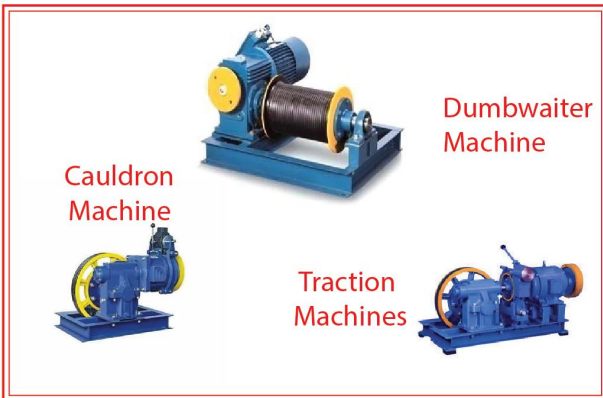
### MICRO PROCESSOR CONTROL & ARDT

The Control System uses logic to collect the passenger while traveling in both up and down directions thereby reducing power consumption and waiting time. The Automatic Rescue Device (ARD) comes into operation within few seconds when the AC mains power is failure or power system got problem in lift itself. If the lift is staying at the floor level, ARD simply open the cabinet door. If the lift is blocked between two floors, ARD turns the motor in the direction that requires the least expenditure of current to bring the cabinet to the nearest floor level or bottom floor level with commanded, and then open the door.



### GEARED & GEARLESS TRACTION MACHINE

We use precious made geared traction machines to serve the lift industry. These machines use the AC induction Motor and Worm Wheel Reduction Gear Box. The High Quality Lubricant is used to increase the Life of the Machines. Whereas we also provide precision made High Torque PMSM gearless traction machines. These machines are highly efficient and consume less power as compared to Geared machines. These machines are Sealed and do not require Oil change.



### COMPONENTS



## SAFETY FEATURES

### • PU BUFFERS

A buffer is a device designed to stop a descending car or counterweight beyond its normal limit and to soften the force with which the elevator runs into the pit during an emergency. They may be of polyurethane or oil type in respect of the rated speed.

### • OVERLOAD SENSOR WITH AUDIO VISUAL INDICATION

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

### • SAFETY IN CASE OF ROPE BREAKAGE

This Series of Elevator is fitted with Flat Panel LED lights in the Cabin, Modern Push Buttons, Scrolling Dot Matrix Led indicator for direction.

### • MICRO-PROCESSOR BASED V3F, VECTOR CONTROLLED DRIVE WITH ENCODER FEEDBACK CLOSED LOOP SYSTEM DOOR OPERATION

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.

### • INFRARED LIGHT CURTAIN CAR EMERGENCY LIGHT & FAN

Full height infra-red curtain with multiple cross-crossing light beams detect the smallest obstruction in the door path and stop doors from closing.

### • EMERGENCY ALARM

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

### • SLOTLESS DOOR SILLS

Stainless Steel lift car is now complimented by matching stainless steel bottom sills. More ever 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 performed ensuring smooth movement of trolleys & struc-

### • ARD(Automatic Rescue device)

In Case of main power supply failure, the lift stopped between two floors is moved to floor level, the automatic door is opened and the passengers are out safely, this is a SAMRT RESCUE DEVICE that relates to a new concept & design and operates the elevator controller at rated voltage to perform the evacuation operation.

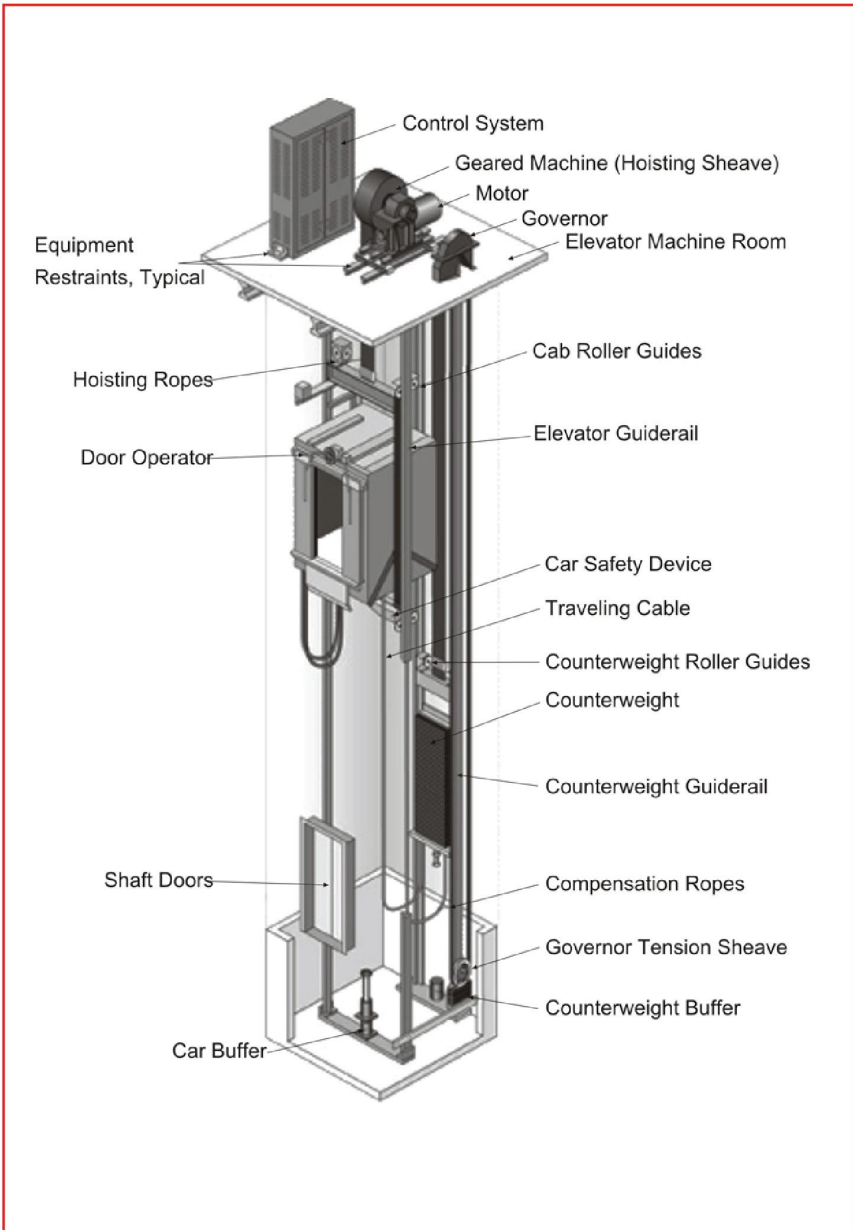
## STANDARD FEATURES

- OVERLOAD NON-START
- DOOR SAFETY EDGE
- EMERGENCY CAR LIGHTING
- FIRE EMERGENCY RETURN
- CAR LIGHT & FAN AUTOMATIC SHUT OFF
- ANTI-NUISSANCE CANCELLATION
- CAR CALL CANCELLATION
- INDEPENDENT OPERATION
- ATTENDANT SERVICE
- CONTINUITY OF SERVICE
- PASSENGER SENSING DOORS (Automatic mode)
- AUXILIARY CAR OPERATING PANEL
- VOICE SYNTHESIZER
- ARRIVAL CHIME
- EMERGENCY POWER OPERATION
- ARD(Automatic Rescue device)\*

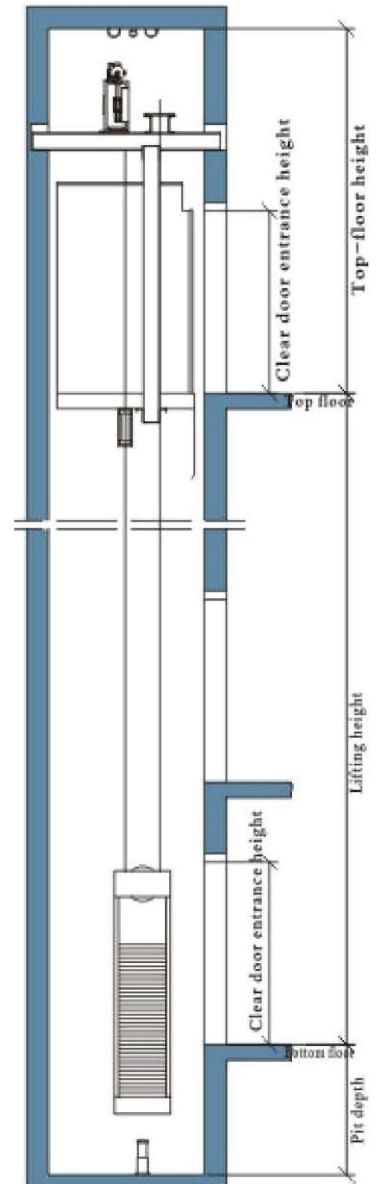
\*Charges will be extra for ARD as per user requirement.



TECHNICAL DETAILS



Hoistway elevation drawing

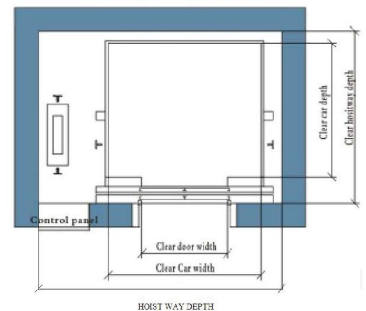


MANUAL ELEVATOR

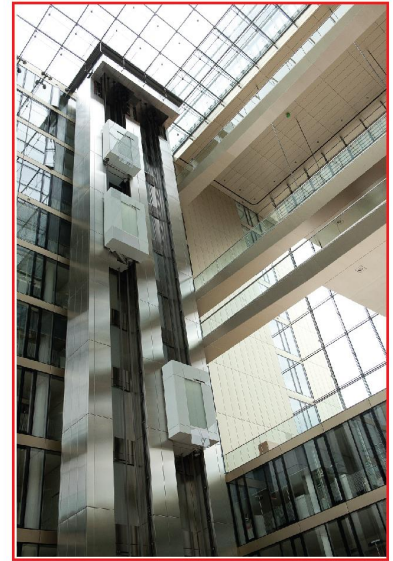
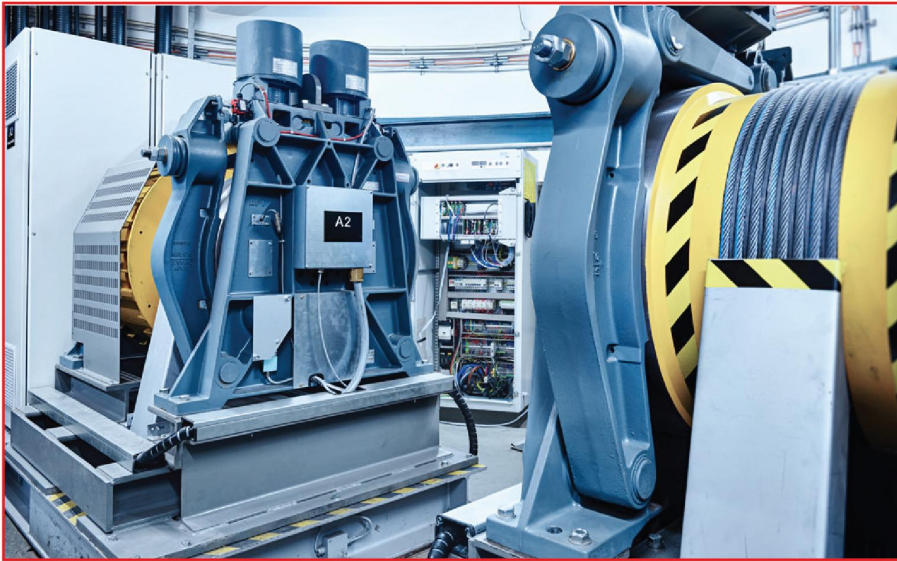
LOAD		CAR SIZE		LIFT WELL		ENT.	MACHINE ROOM		
PERSON	WEIGHT	WIDTH	DEPTH	WIDTH	DEPTH		WIDTH	DEPTH	HEIGHT
	(IN KG)	A	B	C	D	E	F	G	H
4	272	900	800	1200	1200	760	2500	3000	2100
5	340	1000	850	1400	1250	760	2500	3000	2100
6	408	1100	1000	1600	1400	760	2700	3000	2100
8	544	1300	1100	1700	1600	760	3000	3500	2100
10	680	1350	1300	1800	1800	900	3000	3500	2100

\*Note: This is our Standard Data, if other Special Requirement Please Contact us.

Hoistway arrangement plan



## TECHNICAL DETAILS



AUTOMATIC ELEVATOR									
LOAD		CAR SIZE		LIFT WELL		ENT.	MACHINE ROOM		
PERSON	WEIGHT	WIDTH	DEPTH	WIDTH	DEPTH		WIDTH	DEPTH	HEIGHT
	(IN KG)	A	B	C	D	E	F	G	H
4	272	900	800	1500	1200	700	2500	3000	2100
5	340	1000	850	1500	1400	700	2500	3000	2100
6	408	1100	1000	1600	1545	700	2700	3000	2100
8	544	1300	1100	1800	1800	800	3000	3500	2100
10	680	1350	1300	1900	2000	800	3000	3500	2100
13	884	2000	1100	2500	1900	900	3000	3500	2100
16	1088	2000	1300	2500	2100	1000	3500	4200	2100



CAPSULE ELEVATOR						
LOAD		CAR SIZE		LIFT WELL		ENT.
PERSON	WEIGHT	WIDTH	DEPTH	WIDTH	DEPTH	
	(IN KG)	AA	BB	AH	BH	JJ
6	408	1060	1700	2000	1200	800
8	544	1060	1800	2000	1350	800
10	680	1060	1900	2000	1400	1000
13	884	1300	2000	2400	1500	1000

CAR ELEVATOR						
LOAD		CAR SIZE		LIFT WELL		ENT.
WEIGHT	WIDTH	DEPTH	WIDTH	DEPTH		
(IN KG)	A	B	C	D	E	
<b>MANUAL</b>						
3000	2500	5400	3400	6000	2400	
<b>AUTOMATIC</b>						
3000	2500	5400	3700	6000	2400	

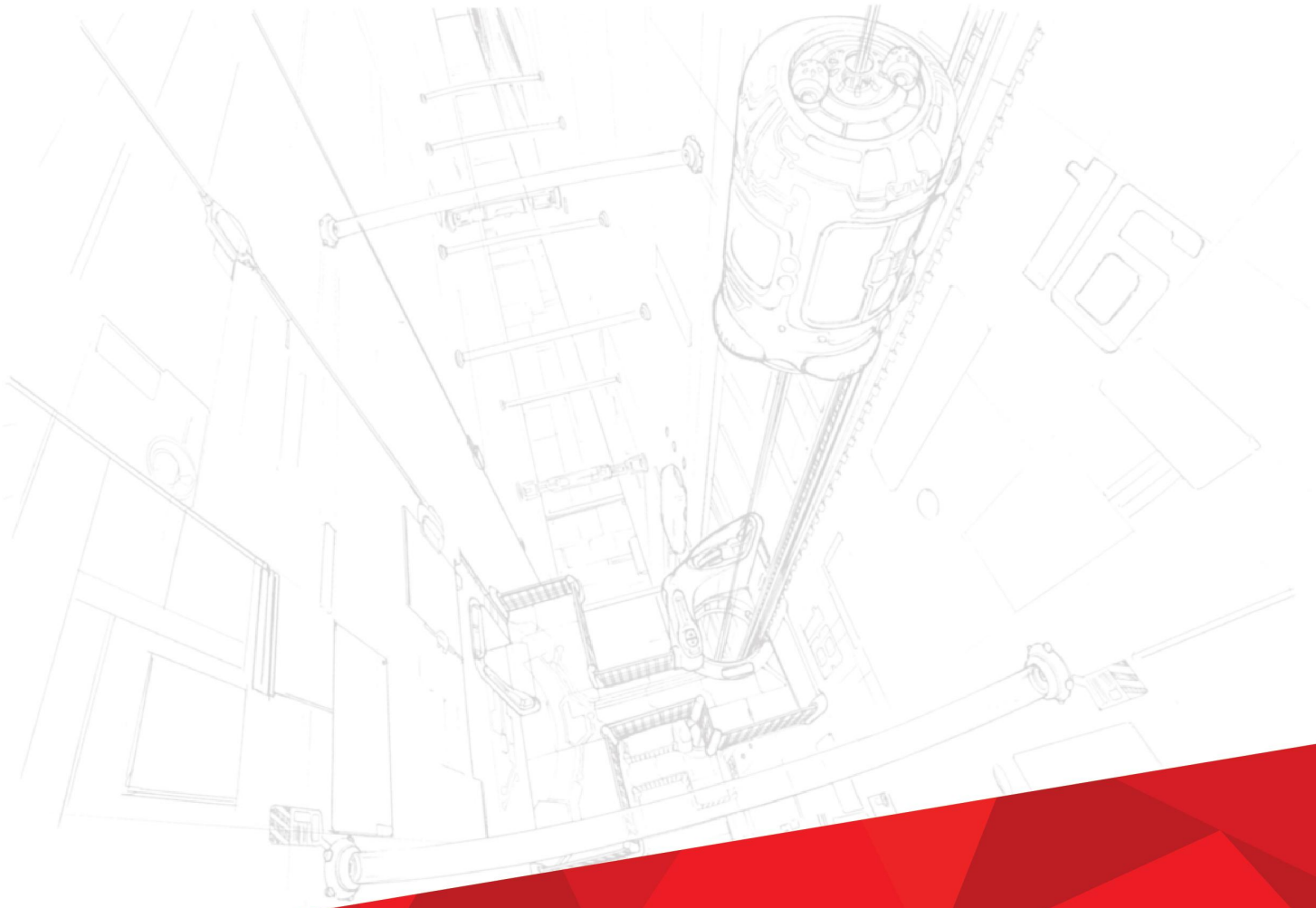
HOSPITAL ELEVATOR						
LOAD		CAR SIZE		LIFT WELL		ENT.
PERSON	WEIGHT	WIDTH	DEPTH	WIDTH	DEPTH	
	(IN KG)	A	B	C	D	E
15	1020	950	2400	1700	3000	800
20	1360	1300	2400	2200	3000	1000
16	1768	1770	2400	2350	3000	1200

GOOD CUM PASSENGER ELEVATOR						
LOAD		CAR SIZE		LIFT WELL		ENT.
WEIGHT	WIDTH	DEPTH	WIDTH	DEPTH		
(IN KG)	A	B	C	D	E	
800	1550	1500	2000	2000	800	
1000	1400	1800	2300	2100	900	
1500	1700	2000	2500	2300	1200	
2000	1700	2500	2600	2800	1500	
3000	2000	3000	2800	3300	1700	

All Dimensions are in mm size.

\*Note: This is our Standard Data, if other Special Requirement Please Contact us.





## JAY AMBE ENGINEERS

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