

ALLIED COMFORT ELEVATORS

Feel The Comfort

WWW.ACELEVATORS.COM

ALLIED COMFORT ELEVATORS

FEEL THE COMFORT

Allied Comfort Elevators is the leading elevator manufacturer in Delhi, India. We provide all types of elevator repair, maintenance, installation and modification services. The elevator installation service which we are providing is widely demanded installing the elevator in different commercial and private establishment without any hassle. We are providing the elevator installation service for the installation of elevators like passenger elevator, home lift, hydraulic elevator, hospital elevator,

goods elevator and freight elevator.

While we maintain all types of lift – different design, different parts, controllers, machines are installed all over India through our own experienced engineers – mechanical, electrical, electronics etc.

We are reckoned for providing on-time elevator installation services to the clients.

WE SITUATED AT C-2 Mahavir Enclave Second Floor Dwarka Sector-2 New Delhi-110059

OUR MISSION AND STRENGTH

- We are on a mission to provide the most technologically advanced custom or standard solutions to the customers by continuously improving our offered we also help our customer to help them with the best lift that will give them a goodwill for their work and it is totally a free consultation. Our main aim is to provide our customers with our best high-quality elevators as per their specifications and requirements with high security and safety.
- To be your first choice in designing, supplying, installing and maintaining the Elevators. We are motivated with technological advances and are keen to supply quality material. We invest in progress and innovation.
- Thanks to our qualified team, we are able to guarantee world class products and work in terms of “Safety & Ride Quality” today. Allied individual needs of each customer in terms of Installation, Designs, Cabin Interiors, Type of doors and we also create customized products for each project with the best solutions.



PRODUCT & SERVICES

- Passenger Lift
- Hydraulic Lift
- Goods Lift
- Goods Cum Passenger
- Dumb Waiter
- Automobile /Car Lift
- Platform Lift
- Machine Room/Machine Room less
- New Lift Installation
- Lift Modification
- Repair & Services.
- AMC & CAMC



HOW TO CHOOSE ELEVATOR

The lift rules demand an Elevator is to be installed as per IS specifications 14665 in force (Elevator has to be of a traction type system) and the elevator should be safe for the travel of both Freight & Passengers.

INTERIORS

- **STAINLESS STEEL:** Stainless Steel interiors are a standard for industries like Food processing, Pharmaceuticals or Industries that require a clean room standard as per WHO.
- **MILD STEEL :** Mild Steel surface coated (Painted or Power coated) sheets are a general standard for the industry.

THE ELEVATOR MACHINE

- a. The static load comprising of weight cabin, counterweight and ropes etc. is many times over than the actual payload, hence the gearboxes have bigger worm wheels as the output shafts are larger in diameters to sustain the large Static Loads.
- b. There are specialized manufacturers for Elevator Gearboxes. Standard gearboxes are not recommended.

VARIABLE FREQUENCY VARIABLE VOLTAGE(V V V F D R I V E S)

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

SAFETY

- Over speed Governors along with the Safety Brake stop the free fall of an elevator when the movement of the Car is over a speed of 20% of the rated speed of the elevator.
- Other important safety is of a mechanical interlock and electrical interlock to prevent cabin movement when the door is open.
- Many other safeties like reduced operational Voltage, limiting the elevator “up or down movement” from bottom most or top most floor. Buffer springs, emergency stop, battery backed alarm and light etc are mandatory.

ARD AUTO M A T I C R E S C U E D E V I C E

Automatic rescue device is incorporated to rescue people stuck in the elevator during a Power Loss. This device is mandatory in the state of Haryana.





PASSENGER LIFT

Passenger Elevators comprise of a wide range of Machine Room Less and Machine Room type of Elevators. Standard and custom made elevators are designed as per your specific requirements. A passenger lift is a type of lift that is designed to take passengers up and down a vertical lift shaft. Cabin and shaft sizes can vary in a passenger lift, but they are usually completely enclosed. Possible lifting mechanisms for a passenger lift include pneumatic, traction and hydraulic lifting methods.

HOME & HYDRAULIC LIFT

We are also engaged in offering a wide range of home & hydraulic elevator including manual and auto door, hydraulic, gear less, which finds extensive application in bungalows, duplex villas, terrace flats, pent houses and showrooms. We provide most efficient and reliable services for elevator installation & it's maintenance under the skilled expertise of our professionals. Our lifts are installed with all facilities to make the lift system a pleasant experience and hence becoming the preferred choice **every home lift or residential elevators is carefully planned, skillfully crafted** and finished one-at-a-time, making customization a well-thought-out process leading to valuable product catering to the needs of the home. Hence, we as a company strives for a dedicated service of safety, speed and stylish lifts that will provide unmatched services of quality, convenience and comfort.

AUTOMOBILE ELEVATORS



Automobile elevators are driven with heavy machines, and Are used in automobile showrooms, workshops, parking Lots, buildings, airports, garages etc. We are highly instrumental in providing best quality range of car elevator which is highly safe and reliable. Our products are appreciated for their smooth performance and easy operations. They are seamless, reliable and are offered to various automotive sectors. These are manufactured by well trained professionals and are provided at the best price range.

DUMBWAITER LIFT



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



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.

GOODS & FREIGHT LIFT



We offer a variety of goods lifts, a freight elevator, or goods elevators that includes hydraulic goods lifts, hydraulic drum lifts, machine lifters and hydraulic pallet trucks which has been designed to carry goods, rather than passengers. Our goods elevator is essentially designed so as to fulfill material handling requirement of industry, building, hotel, car workshop etc. For a properly engineered installation, the choice of freight elevator requires consideration of such factors as volume and weight of material to be transported and the method of handling like manual or trolley driven.

First calculate the amount of material that is to be lifted both in terms of Weight & Volume per day and per hour movement of the material.

Consider the following while calculating the Capacity:-

- i. Time taken to load and time taken to unload the material
- ii. Time taken for elevator travel between the bottom most to top most floor.

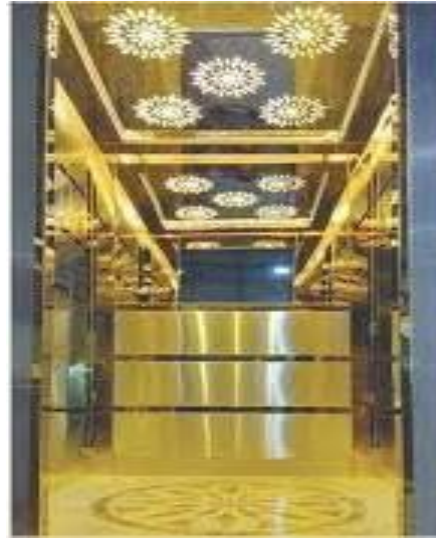
Elevator Travel – The general speed for Freight Elevators is 0.25 Meters/second (15 meters/minute) and other elevators are designed for higher speeds like 0.30, 0.50 & 1.0 Meter/second

Note: Since the loading /unloading time is generally quite high, Freight Elevator are recommended with low speeds to economize the unit price and running costs

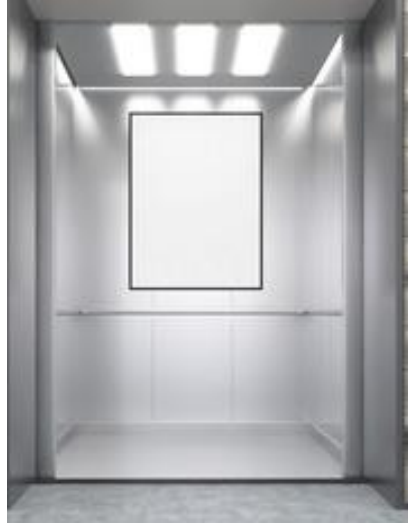
TECHNICAL PARTNERS



CABIN DESIGNS



CABIN DESIGNS



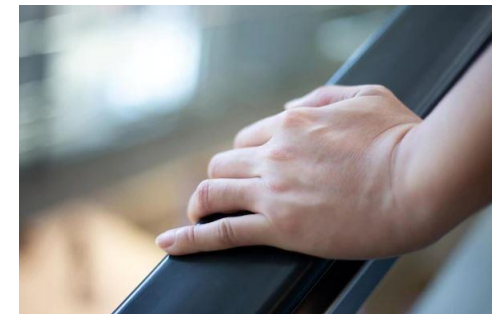
Doors Options



HOME & HYDRAULIC LIFT



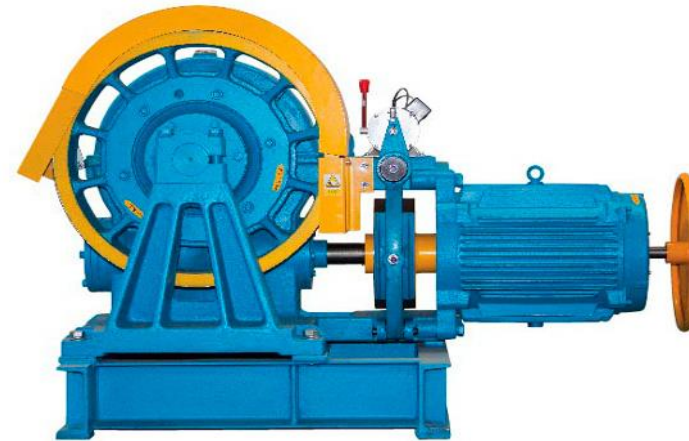
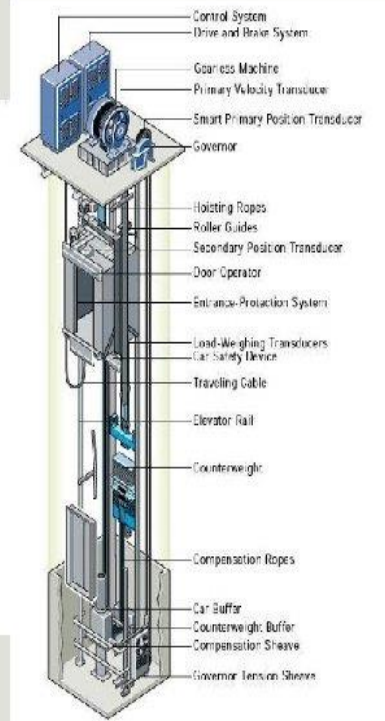
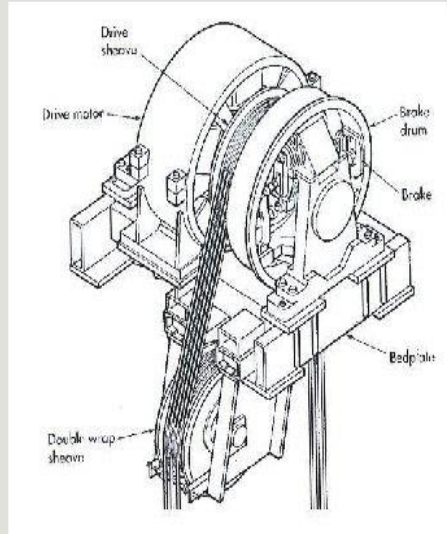
ACCESSORIES



TRACTION MACHINE

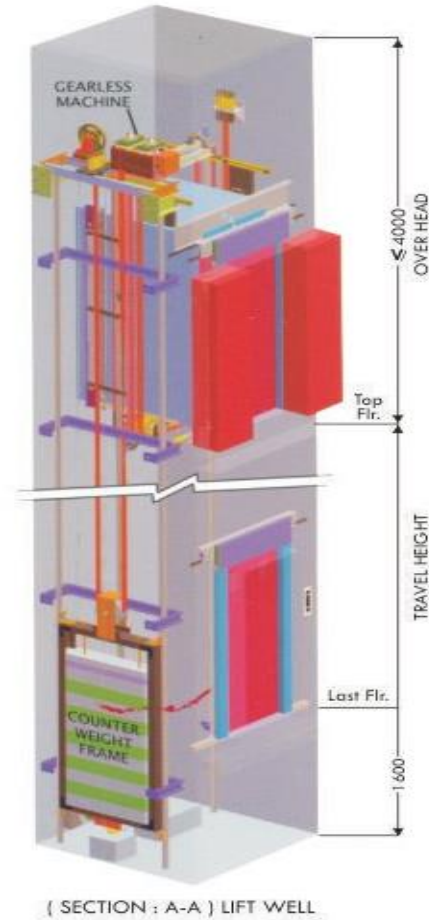
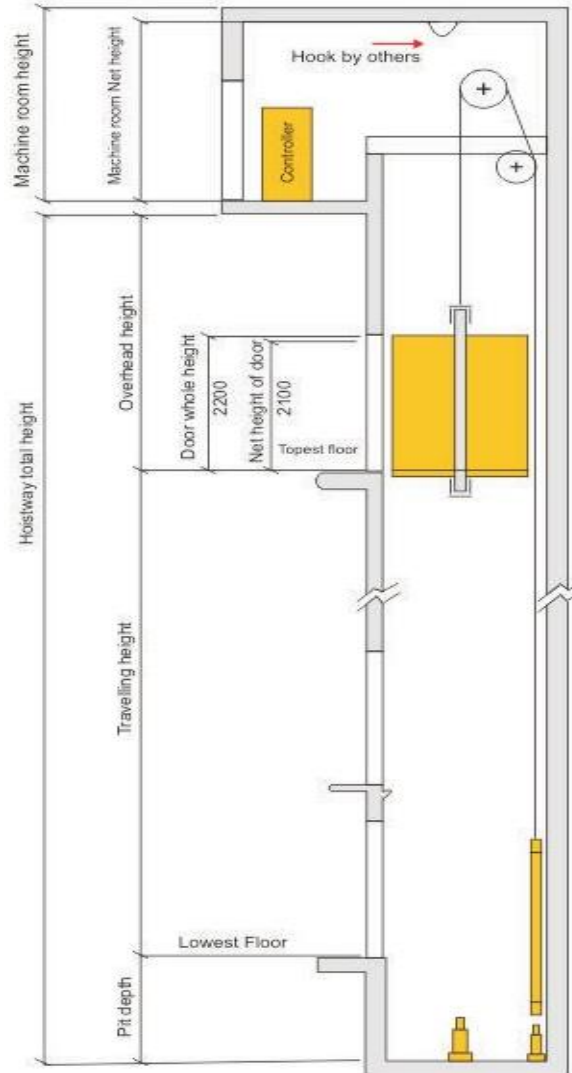
Gearless Traction Elevator.

- ❑ There is a wheel attached to the motor.
- ❑ These elevators typically operate at speeds greater than 500 feet per minute.
- ❑ A brake is mounted between the motor and drive sheave (or gearbox) to hold the elevator stationary at a floor.



Hadiza D.

Recommended Dimensions of MRL Lifts (Machine Room Less)



Automatic Centre Opening / Telescopic Doors-MRL Lifts

No. of Persons	Rated Capacity	Entrance Width	Car Size	Lift Shaft
	KG	E	A X B	C X D
6	408	700	1100 X 1000	1850 X 1400
8	544	800	1100 X 1300	1950 X 1700
10	680	800	1300 X 1350	2050 X 1750
13	884	900	1300 X 1700	2100 X 2100
16	1088	1000	1500 X 1750	2350 X 2150
20	1360	1000	1500 X 2000	2350 X 2400

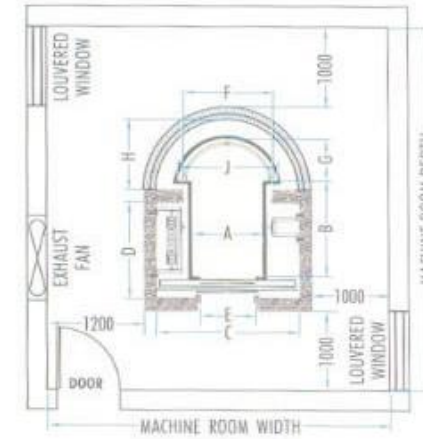
Hydraulic Lifts Civil Dimension

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

Recommended Dimensions of Capsule Autodoor Lifts

Option - A

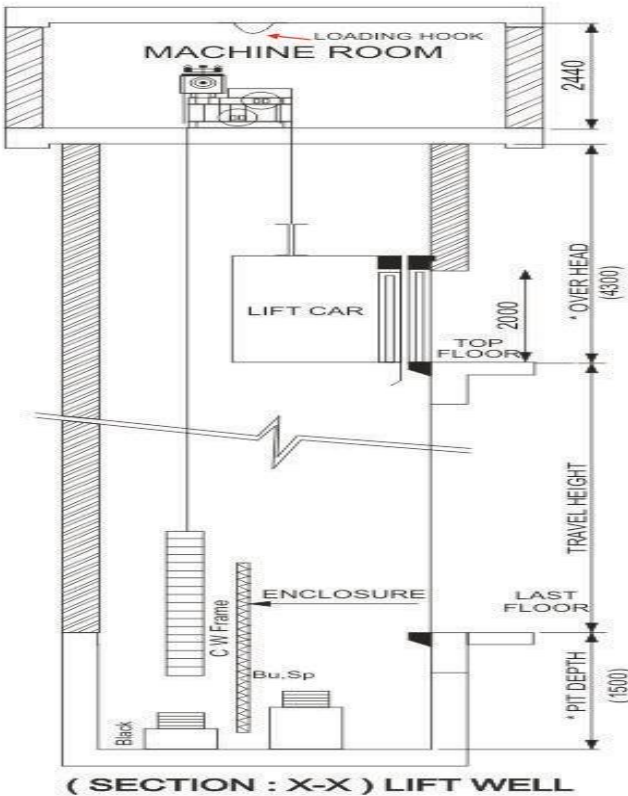
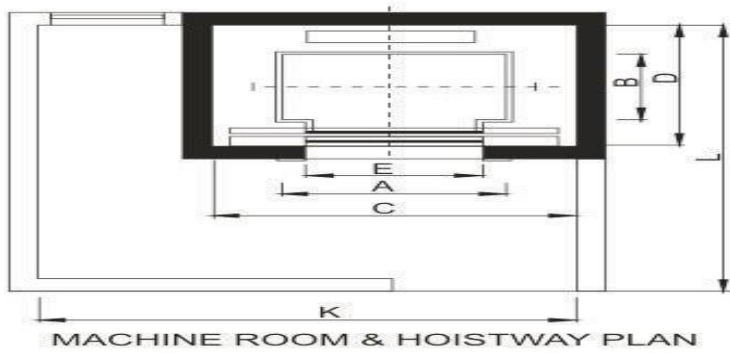
Load		Car Inside				Lift Well				Entrance
Persons	kg	A	B	J	G	C	D	F	H	E
8	544	1000	1200	1250	600	2000	1225	1235	1000	800
10	680	1100	1300	1400	650	2200	1325	1330	1100	900
13	884	1200	1400	1550	700	2400	1425	1430	1100	1000
16	1068	1300	1500	1700	750	2800	1525	1530	1200	1200



Option - B

Load		Car Inside			Lift Well			Entrance
Persons	kg	A	B	G	C	D	H	E
6	408	1000	1100	200	1850	1250	470	800
8	544	1150	1200	200	2050	1350	520	900
10	680	1250	1300	250	2250	1450	590	1000
13	884	1400	1400	300	2400	1550	650	1200
16	1068	1550	1500	350	2800	1650	790	1200





- NOTES**
- Machine room height is as follows
 - For passenger elevators = 2500
 - For Hospital and freight elevators = 2300
 - For Dumbwaiters = 1200
 - All Hoistway wall should be minimum 230 brick or 150 RCC.
 - All dimensions are in millimeters.

PASSENGER ELEVATORS

LOAD		CAR INSIDE		ELEVATOR WELL		ENT	MACHINE ROOM			TYPE OF DOOR
PERSONS	KG	WIDTH A	DEPTH B	WIDTH C	DEPTH D	E	WIDTH K	DEPTH L	HIGHT H	
4	272	1100	700	1600	1100	700	3100	3600	2500	MANUAL
5	340	1100	850	1600	1300	700	3100	3600	2500	
6	408	1100	1000	1600	1400	800	3100	3900	2500	
8	544	1300	1100	1800	1550	800	3300	4050	2500	
4	272	1100	700	1600	1400	700	3490	3600	2500	AUTOMATIC
5	340	1100	850	1600	1500	700	3100	3600	2500	
6	408	1100	1000	1600	1600	700	3400	4100	2500	
8	544	1300	1100	1800	1700	800	3400	4400	2500	
10	680	1350	1300	1900	2000	800	3400	4600	2500	
13	884	2000	1100	2500	1900	900	4000	4400	2500	
16	1088	2000	1300	2500	2100	1000	4000	4600	2500	
20	1360	2000	1550	2500	2400	1000	4000	4900	2500	
24	1632	2150	1650	2650	2500	1100	4150	4950	2500	

HOSPITAL ELEVATORS

LOAD		CAR INSIDE		ELEVATOR WELL		ENT	MACHINE ROOM	
PERSONS	KG	WIDTH A	DEPTH B	WIDTH C	DEPTH D	E	WIDTH K	DEPTH L
15	1020	950	2400	1700	3000	800	3700	5500
20	1360	1300	2400	2200	3000	1200	4200	5500
26	1768	1600	2400	2350	3000	1200	4350	5500

SPEED (MPS)		PIT DEPTH		OVER HEAD	
UPTO-1.50		1600		4800	
OVER 1.50 UP TO 2.5		2600		5700	
OVER 2.5		2600		6700	

DUMB WAITERS

LOAD		CAR SPEED	CAR INSIDE		ELEVATOR WELL		ENT	MACHINE ROOM	
KG	MPS	WIDTH A	DEPTH B	HIEGHT H	WIDTH C	DEPTH D	E	WIDTH K	DEPTH L
100	0.50	700	700	800	1200	1000	700	1400	1500
150	0.50	800	800	900	1300	1200	800	1500	1500
200	0.25	900	900	1000	1400	1200	900	1500	1800
250	0.70	1000	1000	1200	1500	1300	1000	1800	2000

FREIGHT ELEVATORS

LOAD	CAR INSIDE		ELEVATOR WELL		ENTRANCE	MACHINE ROOM	
KG	WIDTH A	DEPTH B	WIDTH C	DEPTH D	E	WIDTH K	DEPTH L
500	1500	1500	2000	2000	900	2500	4500
1000	1400	1800	2300	2100	1400	2500	4600
1500	1700	2000	2600	2300	1700	2600	4800
2000	1700	2500	2600	2800	1700	2600	5300
3000	2000	3000	2900	3300	2000	2900	5800
4000	2500	3000	3400	3300	2500	3400	5800
5000	2500	3600	3400	3900	2500	3400	6400

Clear entrance width 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 2000 mm (max. 1200 mm).

FREIGHT ELEVATOR (MACHINE-ROOM LESS)

AUTOMATIC DOORS:

CAPACITY Kgs.	CAR INSIDE		LIFT WELL		ENTERANCE	
	WIDTH	DEPTH	WIDTH	DEPTH	WIDTH	HEIGHT
525	1100	1200	1875	1750	1000	2000
750	1200	1600	1950	2150	1000	2000
1050	1400	1800	2200	2350	1200	2000
1500	1700	2000	2550	2550	1500	2000
2025	1800	2500	2750	3050	1600	2000
2550	2000	2600	3000	3150	1800	2000
3000	2200	3000	3250	3550	2000	2000
3525	2200	3500	3250	4050	2000	2100
4050	2500	3500	3550	4050	2200	2100
5025	2600	4000	3650	4550	2300	2100

MANUAL OPERATED DOORS:

CAPACITY Kgs.	CAR INSIDE		LIFT WELL		ENTERANCE	
	WIDTH	DEPTH	WIDTH	DEPTH	WIDTH	HEIGHT
525	1100	1200	1800	1600	1000	2000
750	1200	1600	1900	2000	1000	2000
1050	1400	1800	2100	2200	1200	2000
1500	1700	2000	2400	2400	1500	2000
2025	1800	2500	2550	2900	1600	2000
2550	2000	2600	2800	3000	1800	2000
3000	2200	3000	3000	3400	2000	2000
3525	2200	3500	3000	3900	2000	2100
4050	2500	3500	3300	3900	2200	2100
5025	2600	4000	3400	4400	2300	2100

CAPACITY	LIFT SPEED METERS/SEC.	PIT DEPTH	OVER HEAD	CLEAR (DOOR) OPENING	BELOW LENTILE FROM MANUAL	
525 TO 2525 Kgs.	0.50 to 1.0	1600	5800	1000	2250	2460
2525 TO 4000 Kgs.	0.50 To 0.75	1800	6000	2000	2250	2460

NOTE:-

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

FREIGHT ELEVATOR (MACHINE-ROOM)

AUTOMATIC DOORS:

CAPACITY Kgs.	CAR INSIDE		LIFT WELL		ENTERANCE	
	WIDTH	DEPTH	WIDTH	DEPTH	WIDTH	HEIGHT
525	1100	1200	1800	1600	1000	2000
750	1200	1600	1900	2000	1000	2000
1050	1400	1800	2100	2200	1200	2000
1500	1700	2000	2400	2400	1500	2000
2025	1800	2500	2550	2900	1600	2000
2550	2000	2600	2800	3000	1800	2000
3000	2200	3000	3000	3400	2000	2000
3525	2200	3500	3000	3900	2000	2100
4050	2500	3500	3300	3900	2200	2100
5025	2600	4000	3400	4400	2300	2100

MANUAL OPERATED DOORS:

CAPACITY Kgs.	CAR INSIDE		LIFT WELL		ENTERANCE	
	WIDTH	DEPTH	WIDTH	DEPTH	WIDTH	HEIGHT
525	1100	1200	1875	1750	1000	2000
750	1200	1600	1950	2150	1000	2000
1050	1400	1800	2200	2350	1200	2000
1500	1700	2000	2550	2550	1500	2000
2025	1800	2500	2750	3050	1600	2000
2550	2000	2600	3000	3150	1800	2000
3000	2200	3000	3250	3550	2000	2000
3525	2200	3500	3250	4050	2000	2100
4050	2500	3500	3550	4050	2200	2100
5025	2600	4000	3650	4550	2300	2100

CAPACITY	LIFT SPEED METERS/SEC.	PIT DEPTH	OVER HEAD	CLEAR(DOOR) OPENING	BELOW LENTIL FROM	
525 TO 2525 Kgs.	0.25 to 0.50	1600	4600	1000	2250	2460
2525 TO 4000 Kgs.	0.25 To 0.32	1800	4800	2000	2250	2460

NOTE :-

- 1.All dimensions are in millimeters.
- 2.All dimensions are for clear finished lift walls after plastering.
- 3.All walls minimum 150 RCC or 230 brick (hoist way front wall 230 brick preferred).
- 4.RCC machine room structural floor slab 150 thick designed to sustain minimum 1000 Kg./ M²UDL.
- 5.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.
- 6.For specific requirements our local representative will be happy to work with you in a preparation of working drawings.



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THANK YOU !!

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Tel:9910377701/7838757521

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