

ORCHID ELEVATORS

Govt. Reg No.: MLS/LEP(EM)/213



www.orchidelevators.com



info@orchidelevators.com





ABOUT US

We introduce ourselves as Orchid Elevators. Hydraulic / Traction / MRL Passenger and Goods Elevators are being supplied, installed, commissioned and maintained by us. Orchid elevators with its strong technology base and support network today committed to serve the elevator market with a sense of devotion and services. Our servicing facilities are fully geared up, to face any challenges.

Orchid elevators are able to provide prompt after sales support to all our Customers by monitoring on a regular intervals, ensuring total customer satisfaction and peak equipment efficiency.

Orchid elevators assure you of high degree of reliability and quality ultimately leading to your utmost satisfaction. We have been registered as approved vendors for the Design, Supply and Installation of Elevators & Elevator Products.

PROFILE

With technology we make elevators a jerk-free, vibration-free, and smooth ride with minimal break downs.

Ask the experts at Orchid Elevators a brand that stands for outstanding product and quality and innovative technologies for a Better life building. Orchid people are virtually grown up by learning the nuts and bolts of everything that has to do for a superior customer satisfaction for over a period of 5 years.

Orchid Team has experience of more than 5 years in the field of installation, modernization and maintenance of elevators, by utilizing advanced technology.



OUR MISSION

- ✦ To provide safe lift operation and customer friendly Services by continuously improving the operational effectiveness.
- ✦ To build and drive an organization of high values in delivering performance as one of the top priority.

OUR VISION

- ✦ To be the largest selling elevators manufacturing company beyond boundaries by adhering to the world class standards.
- ✦ Ensuring high quality services with integrity, transparency accountability, safely and deliverability as top priority to all those who come along trusting our values.

TECHNICAL COLLABRATION

Associated Partners :



Automatic Imported Designed Glass Doors

Orchid using imported design with scratch proof sheets

Features

- ❖ Smooth & Silent Operation
- ❖ Scratch Proof design sheets
- ❖ Eye-catching transparent Doors to your lift car.
- ❖ Easy Maintenance
- ❖ Door Closing Force Can be Easily Adjustable
- ❖ Variable voltage & Frequency Inverter Gives A Smoother Operation With Variable Acceleration Opening.
- ❖ Infrated Barrier For Safety of the Passengers

Glass Doors



Wooden Glass Door



Gold Glass Door



Rose Gold Design Door



SS Mirror Finish Door

Automatic Import Doors

Orchid using German Technologies door by using the high quality of raw materials.

Features

- ✧ Smooth And Silent Operation
- ✧ Very Few Mechanical Parts, Resulting Minimum Breakdown
- ✧ Easy Maintenance
- ✧ Door Closing Force Can be Easily Adjustable
- ✧ Variable voltage & Frequency Inverter Gives A Smoother Operation With Variable Acceleration Opening.
- ✧ Infrated Barrier For Safety of the Passengers

Door Finishes



SS Centre Opening



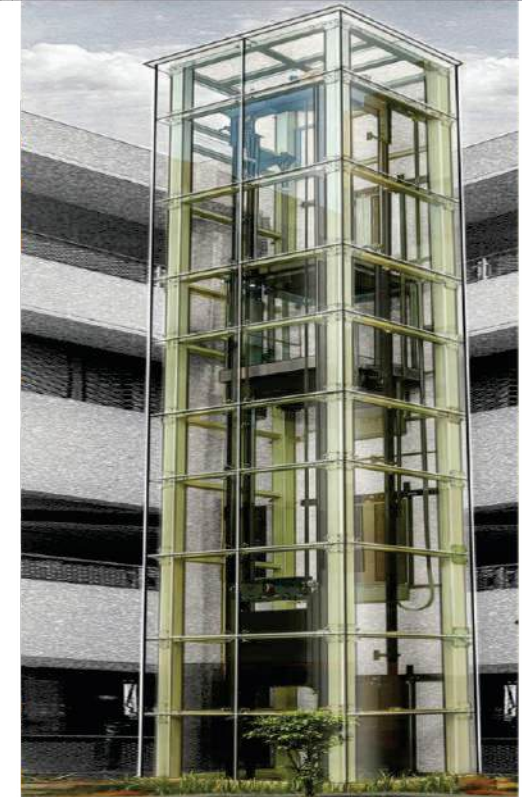
SS Matt finish



MS Telescopic



Gold Design Door



Standard Car Interiors

With our highly specialized knowledge and Vast Experience we provide our clients with the most qualitative range of Stainless Steel Lift Cabins. Our proficient technicians design these cabins in custom-built sizes to meet the specifications and requirements of our clients in an effective manner.

- ✧ CABIN available for application : Passenger Lift, Car Lift, Stretcher Lift, Home Lift & Goods Lift.
- ✧ Variety of False Ceiling Designs are available, and the decoration of elevator cabin is concise and vivid.
- ✧ Designer Flooring (Optional).



OE - 01



OE - 02



OE - 03



OE - 04

Premium Car Interiors

- ✧ Design of the CABIN Frame is made on the basis of finite element analysis, and structural member is made by bending the plate.
- ✧ CABINS available in Standard SS, Designer SS, Mirror SS, Gold Finish SS & Ful Glass Cabin.
- ✧ CABIN available for application : Passenger Lift, Car Lift, Stretcher Lift, Home Lift & Goods Lift.
- ✧ Variety of False Ceiling Designs are available, and the decoration of elevator cabin is concise and vivid.
- ✧ Designer Flooring (Optional).



OE - 05



OE - 06



OE - 07



OE - 08

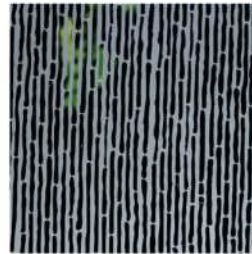
Etching Designs



OE - 001



OE - 002



OE - 003



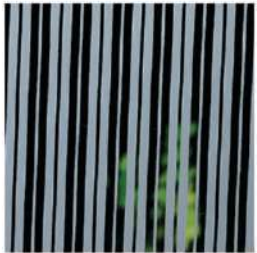
OE - 004



OE - 005



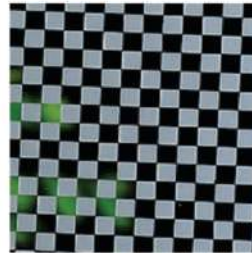
OE - 006



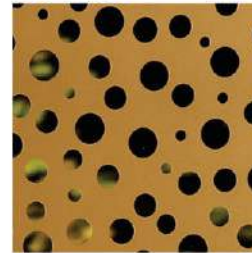
OE - 007



OE - 008



OE - 009



OE - 010



OE - 011



OE - 012

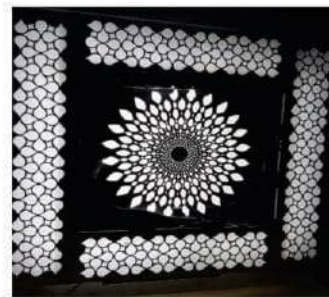
False Ceiling Design



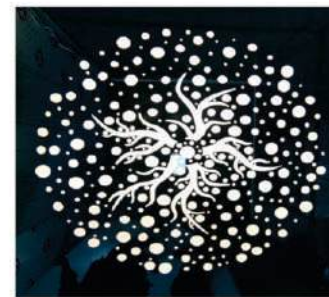
OE - 01



OE - 02



OE - 03



OE - 04

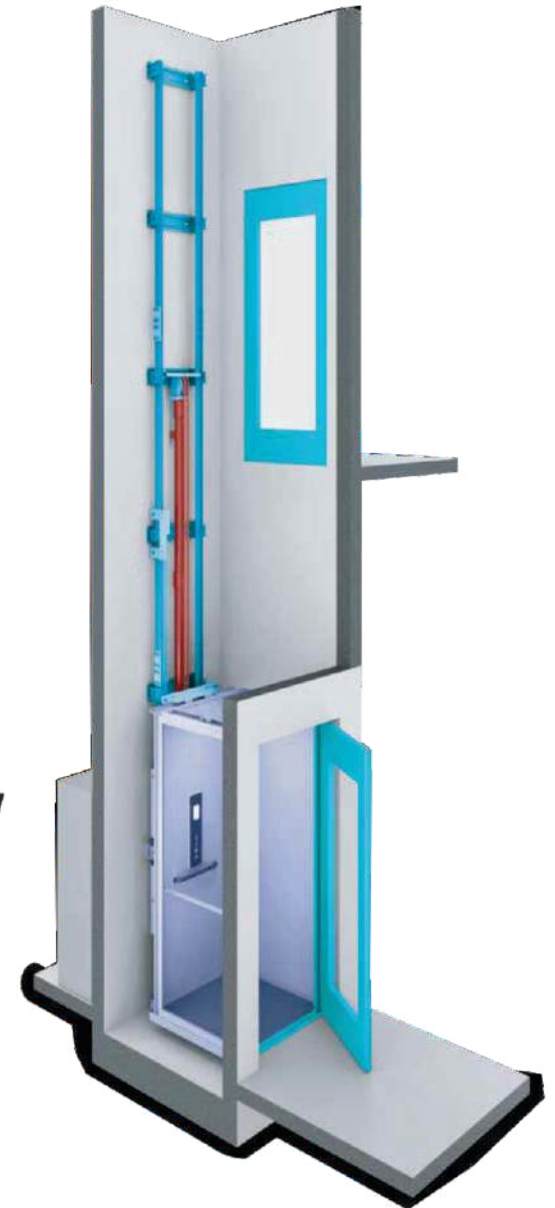


OE - 05

MS Powder Coated Landing Doors & Cabins



Hydraulic Lifts



Powder Coat - Colours



1. Oxford Blue Glossy
2. Classic White
3. Milky White
4. Cherry / Wine Red
5. Golden Yellow
6. Pink Glossy
7. Steel Gray Satin
8. Ivory Glossy
9. Brilliant Green Glossy
10. Orange Glossy
11. PO Red Glossy
12. Rubine Pink Glossy
13. New Moon Glossy
14. Light Blue Glossy
15. Deep Blue Glossy



ORCHID GREENRUN

We take much from nature. Let's give a bit.

The Permanent Magnetic Synchronous Motor (PMSM) technology adapted in manufacturing ORCHID Greenrun is a result of ORCHID foresightedness towards a better tomorrow. This system generates negligible noise, has a compact size and a light weight modular design making it a contemporary choice, while the technology reduces power consumption* by generating high torque at lower RPM.

* as compared to traditional geared traction motors.



**ENERGY SAVING
UPTO 40%**



NO MACHINE ROOM



GEARLESS

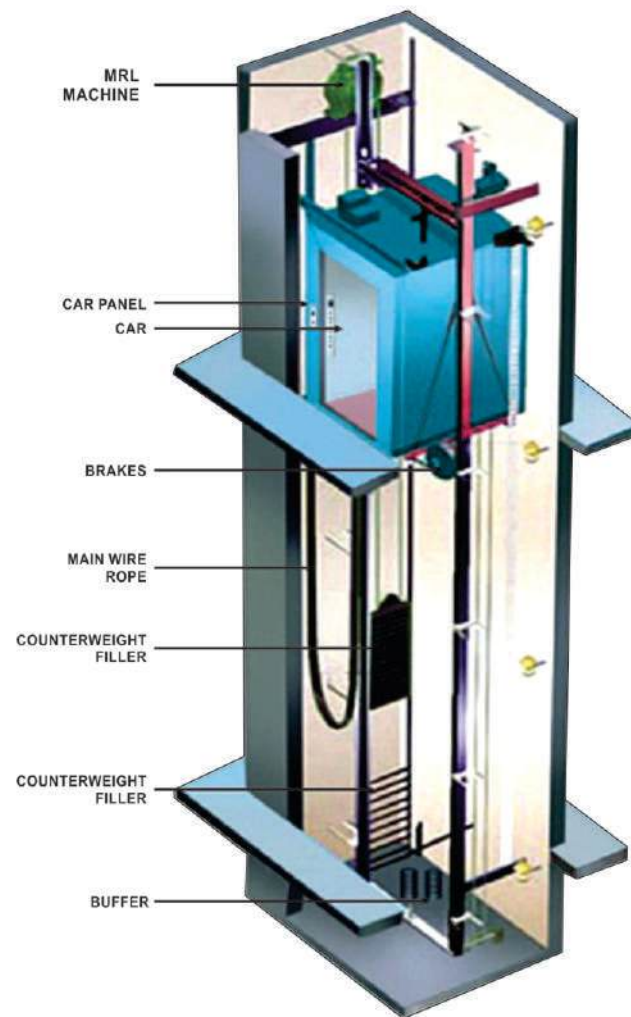


LOW NOISE

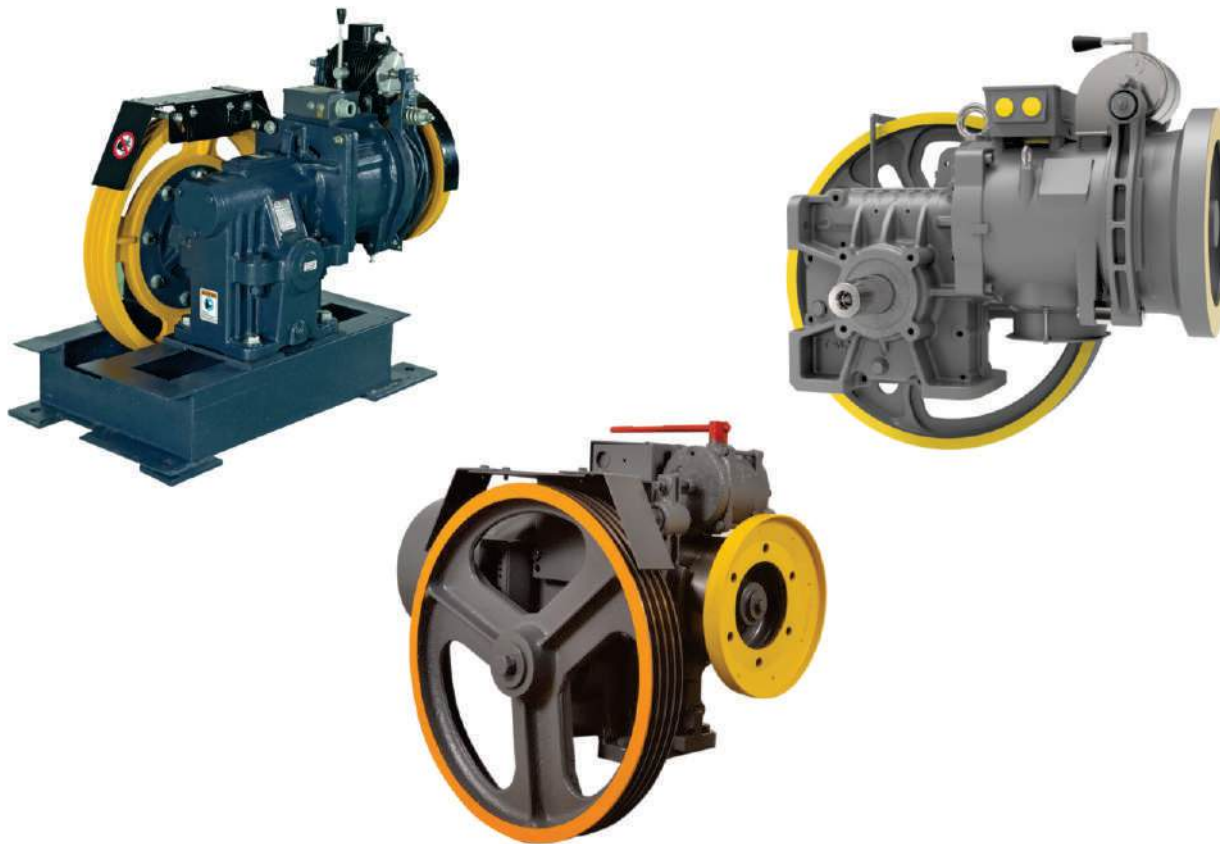


COMPACT DESIGN

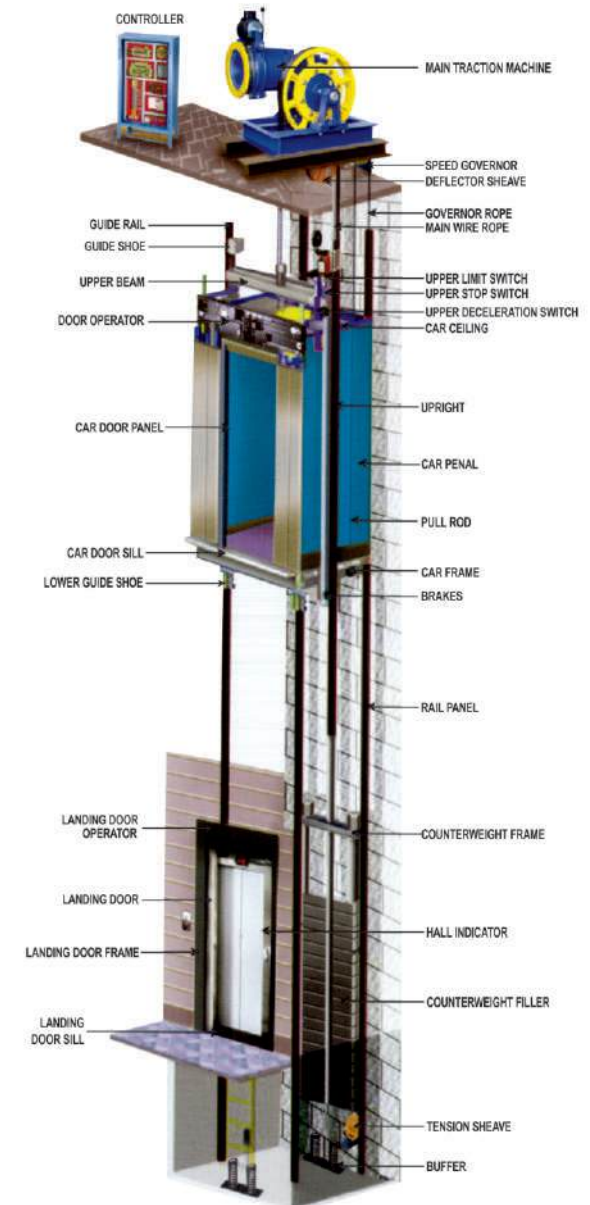
MACHINE ROOMLESS (MRL) LIFT SYSTEM



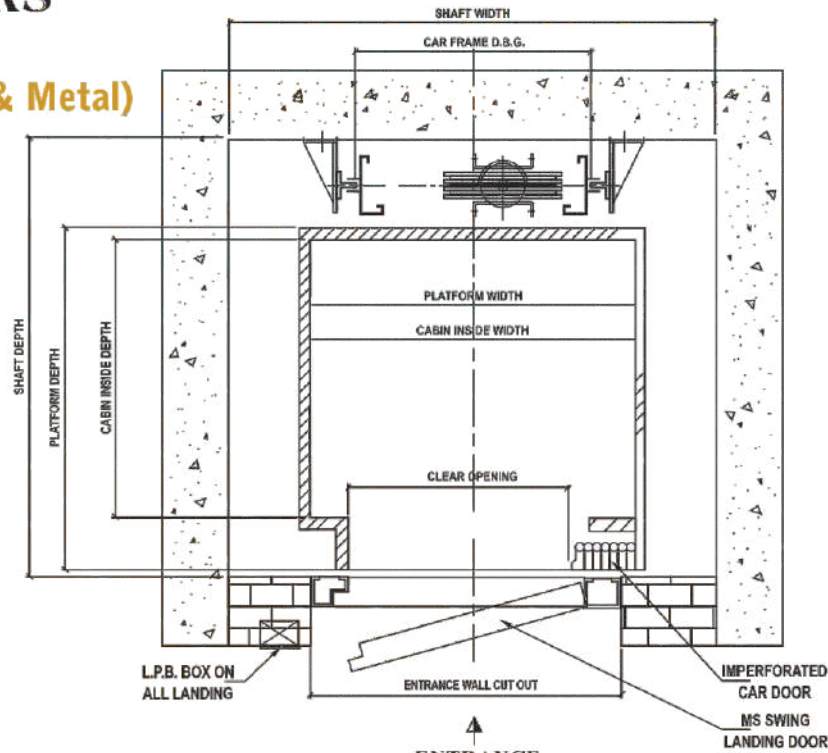
- ✧ Requires Machine Room Above The Shaft.
- ✧ Requires Gear Oil To Be Changed With Time & Usage.
- ✧ Requires Upto 30 More Power.



With Machine Room Plan



Villa Elevators (Glass & Metal)



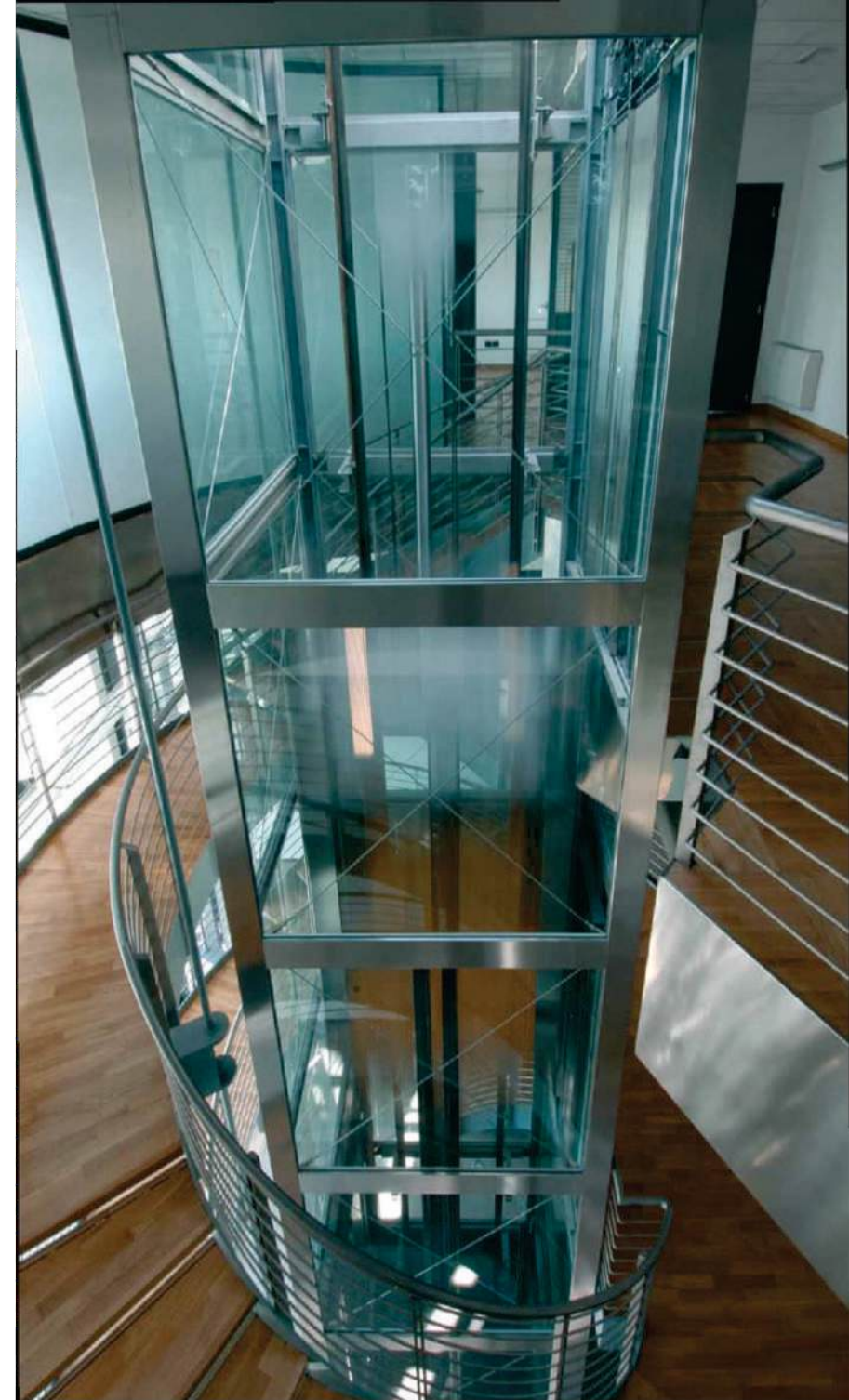
**ENTRANCE
CROSS SECTION PLAN OF ELEVATOR SHAFT**

CIVIL DIMENSIONS FOR HYDRAULIC LIFT

CAPACITY		CAR INSIDE		LIFT WELL		ENTRANCE		MACHINE ROOM SIZE		PIT	OVER HEAD
Pass.	Load in Kg.	Width	Depth	Width	Depth	Width	Height	Width	Depth		
4	272	1100	700	1400	1250	760	2000	2500	2500	1350	3300
5	340	1100	850	1400	1400	760	2000	2500	2500	1350	3300
6	408	1100	1000	1400	1550	760	2000	2500	2500	1350	3300
8	544	1300	1100	1600	1650	800	2000	2500	2500	1350	3300
10	680	1350	1300	1650	1850	800	2000	2500	2500	1350	3300
13	884	2000	1100	2300	1650	900	2000	2500	2500	1350	3300

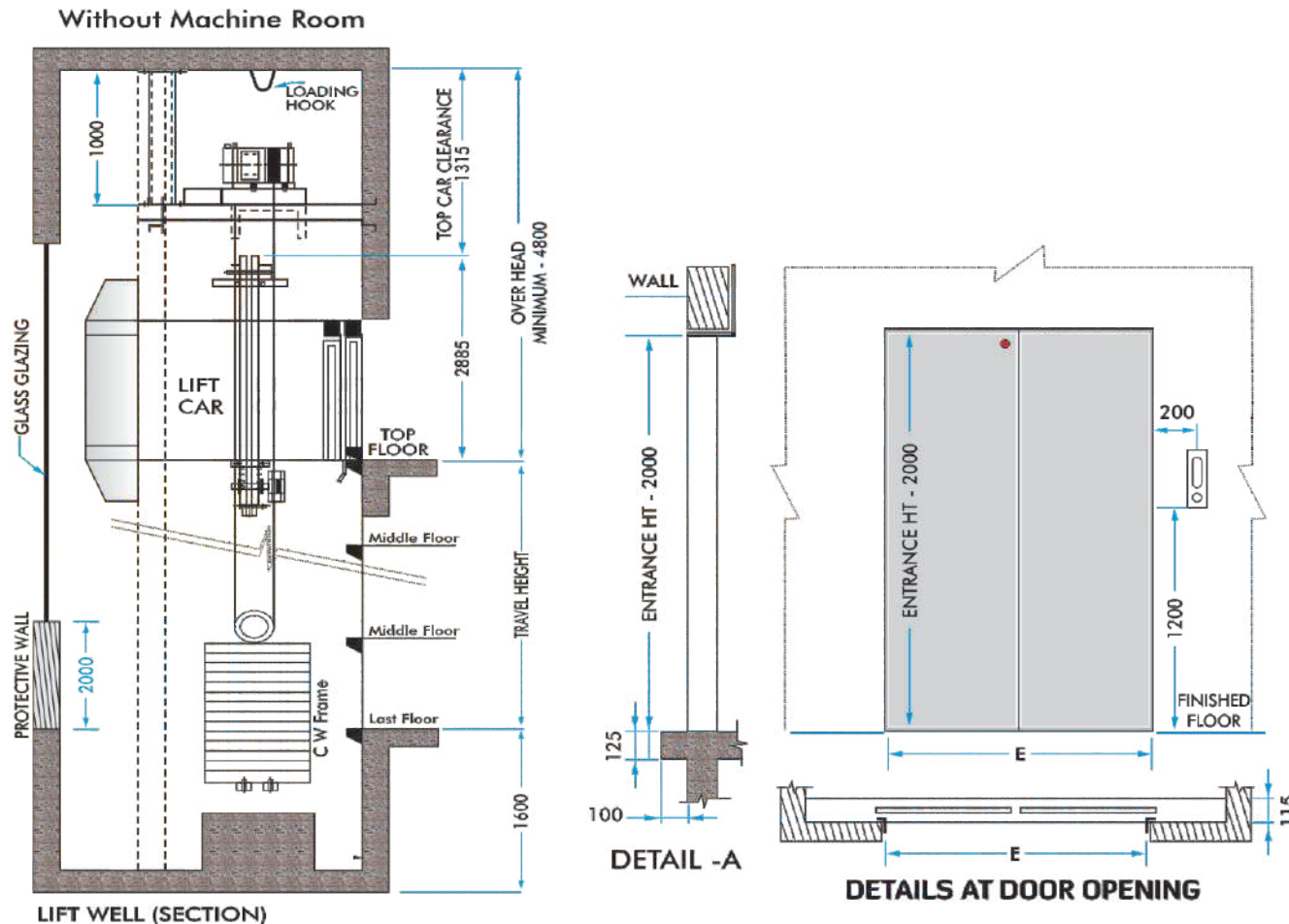
Note:

Pit & Over head dimension subject to change depending on travel height & speed as per I:S 14665 (Part 1) : 2000



Capsule Lift

Orchid Capsule Elevator 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. Its design, features and infinite options add to its optimum travel comfort. It has aesthetically attractive interiors with large glass viewing panel. specialised knowledge and our experience over last five years in executing such projects comes handy. Orchid Elevators are inspired with creative flair to suit your particular idea.



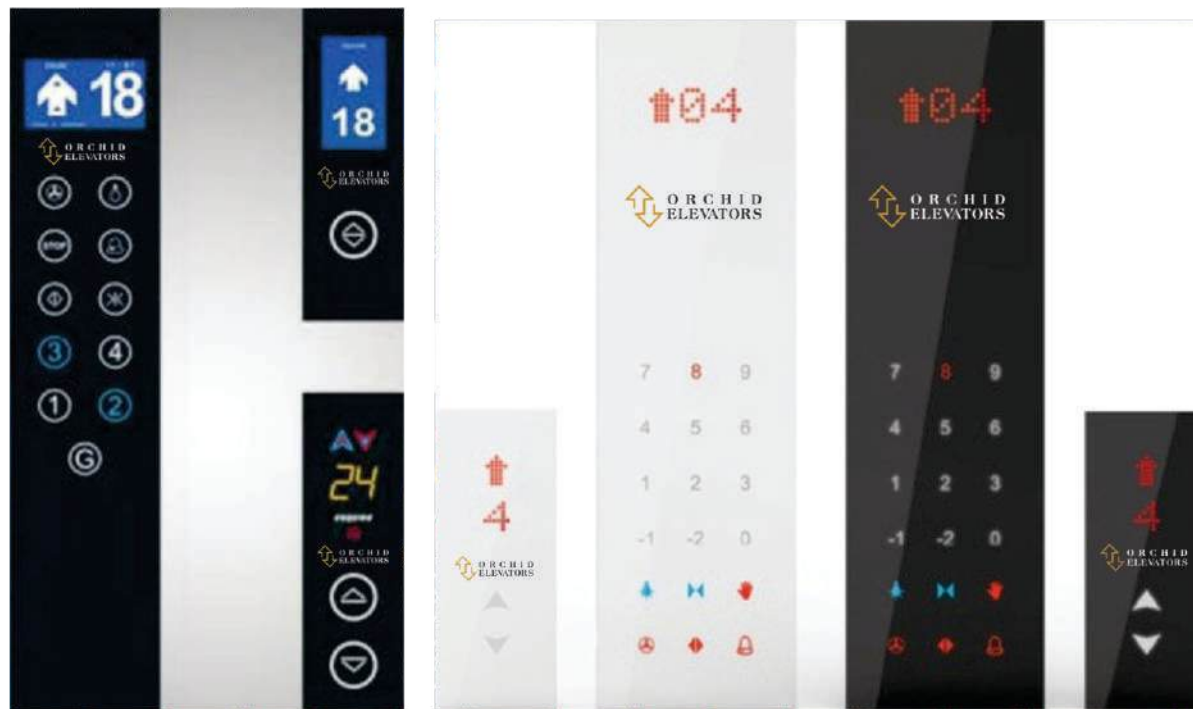
Hospital Stretcher Lift Cabins

We offer Hospital Lifts for Hospitals for easy transportation of bulky equipments as well as patients. These are apt to meet the modern day hospital needs. These have sophisticated looks with high functionality. Hospital Lifts are best to carry gurneys, stretchers as well as wheel chairs. We offer these at attractive prices and in various models.



Human Interface Device

Human interface devices add to the aesthetics of an elevator and we provide you with a class leading options for human interface devices.



SAFETY FEATURES

We at Orchid Elevators use Enhance safety features with German technologies.



UCM DEVICE (UNINTENDED CAR MOVEMENT)

- ✧ Protects against Unintended Car Movement caused by snapping of ropes.
- ✧ Works on a double roller.
- ✧ Over speed governor is a device that activates the Unintended Car Movement device in case of the snapping of the ropes.



OVER SPEED GOVERNOR

- ✧ Centrifugal Over Speed Governor with rope locking system and anti rope slip device used for added safety of the passengers.

LIGHT CURTAIN

- ✧ We at Orchid Elevators adopts the densest infrared light curtain to form a light curtain protection safety net at the entrance of the elevators and can quickly respond to any person or object entering its detection plane.



Multi-Beam Door Sensor (Optional)



ACCESS CONTROL

- ✧ We at Orchid Elevators use German Technology access control for unwanted guests.
- ✧ Unidentified individuals and unknown elements at home and lift by installing premium security systems.
- ✧ Limit the access of people with this smart security system brought to you by Orchid Elevators.

The ARD is a newest generation of emergency rescue device for elevator system to guarantee the return of cabinet to the nearest floor or bottom floor and open the door safely in the event of AC mains power failure, also in the case of power problem with lift itself. The smart CPU-based ARD can be installed with any type of control panel of elevator systems, it functions with sealed batteries and free maintenance. Easy installation and safe landing the cabinet for 100% security to the lift's operation.

AUTOMATIC RESCUE DEVICE(ARD)



ELEVATOR CONTROLLERS

Microprocessor with German Technology

Orchid has specially designed controller for smooth running of the elevator with minimal breakdowns.

- ✧ Controller with safety parameters.
- ✧ It is a Microprocessor based control panel.
- ✧ Easily rectifies the problem by digital display.
- ✧ Advance vector control technology allows the elevator integrated drive and controller to offer superior motor speed regulation performance, enabling the elevator to offer passengers the most comfortable feel.
- ✧ Orchid uses PWM dead time compensation technology and dynamic PWM carrier modulation technology, so that the elevators integrated drive and controller reduce noise and motor loss effectively.
- ✧ The elevator integrated drive and controller is designed with closed loop vector controller for higher performance.
- ✧ Zero-speed torque compensation system without load weighing device helps save cost.



Newly Introducing IOT Technology

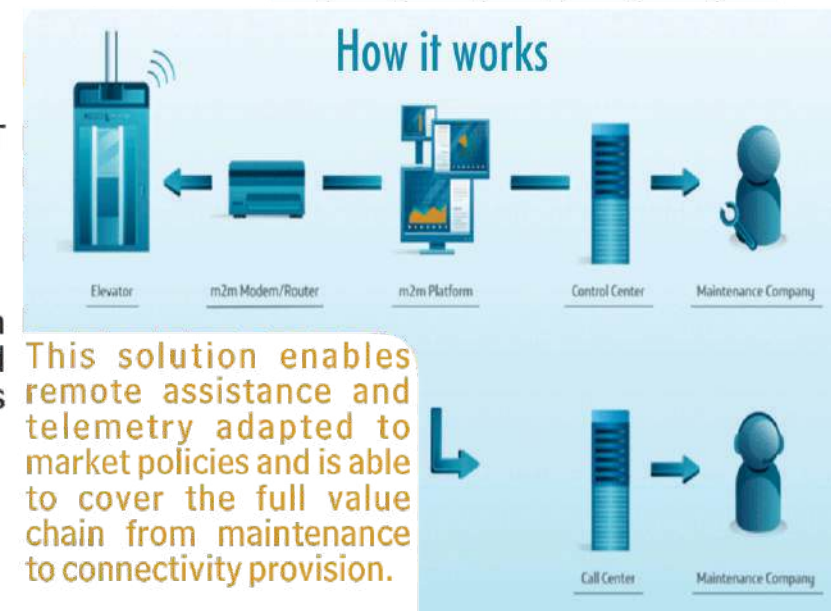
REDUCE - Connectivity costs by moving from traditional fixed lines to IOT communications.

REAL-TIME - Monitoring and assured connectivity availability.

IMPROVE - Operating capabilities and efficiency to obtain real-time accurate information remotely, scheduling of maintenance operations (e.g. based on real working hours) and reduce costs, elevator monitoring, identifying problems and generating alarms proactively.

CHANGE - Business Model to provide a full maintenance service covered by supplier.

OPEN - Platform to create specific industry applications based on collected information.





Conceptualizing Innovation

Villa Elevator fits your home seamlessly always
and yes the original idea was conceptualized by Orchid.

Ever Wondered how would it be if your elevator :

- * Doesn't need a separate machine room.
- * Come with many infill options : safety glass / MS / SS panels
- * No head room!
- * Energy saving
- * ISO 9001 : 2015 certified
- * En81 / 115 german standards!

**Wonder no more.
Call Orchid Elevators and set-up
a meeting to order your solution today!**



SPECIFICATION

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	1900	1400	700	3490	3600	2500	AUTOMATIC
5	340	1100	850	1900	1500	700	3100	3600	2500	
6	408	1100	1000	1900	1700	800	3400	4100	2500	
8	544	1300	1100	1900	1800	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	

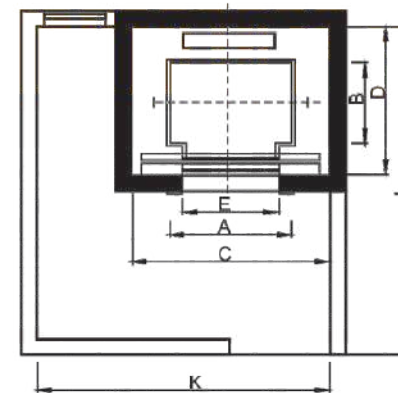
HOSPITAL ELEVATORS									
LOAD		CAR INSIDE		ELEVATOR WELL		ENT	MACHINE ROOM		
PERSONS	KG	WIDTH A	DEPTH B	WIDTH C	DEPTH D	E	WIDTH K	DEPTH L	
15	1020	950	2400	1700	3000	800	3700	5500	
20	1360	1300	2400	2200	3000	1200	4200	5500	
26	1768	1600	2400	2350	3000	1200	4350	5500	

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

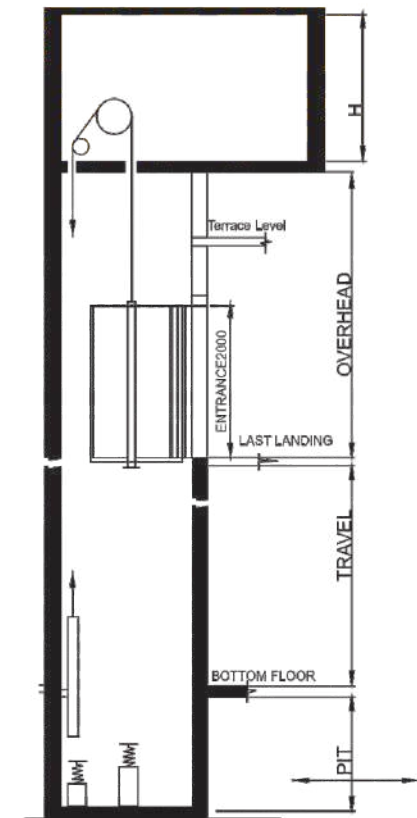
Clear entrance width is based on vertical lifting car door and vertical bi-parting landing doors.
For collapsible mid bar doors the clear entrance width will be reduced by 2000 mm (max. 1200 mm)

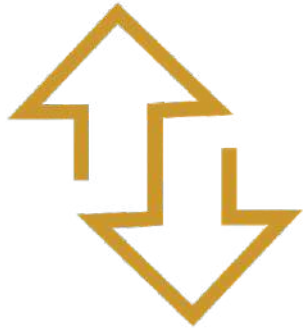
FREIGHT ELEVATORS							
LOAD	CAR INSIDE		ELEVATOR WELL		ENTRANCE	MACHINE ROOM	
KG	WIDTH A	DEPTH B	WIDTH C	DEPTH D	E	WIDTH K	DEPTH L
500	1500	1500	2000	2000	900	2500	4500
1000	1400	1800	2300	2100	1400	2500	4600
1500	1700	2000	2600	2300	1700	2600	4800
2000	1700	2500	2600	2800	1700	2600	5300
3000	2000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



MACHINE ROOM & HOISWAY PLAN

- 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.








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