



Elevating You to the  
*Next Level*



LIFTS &  
ESCALATORS  
PVT. LTD








# Welcome to the Future of VERTICAL MOTION

## Company Introduction

We VTC Lifts & Escalators Private Limited are a well-known name in the industry engaged in Manufacturing and Supplying of Elevators & Escalators which are assembled as per client's requirements. Incepted the year 2006, we have a decade of experience in providing complete and reliable elevator & escalator solution for commercial as well as residential sector. Our deft engineers assemble these elevator using premium quality components and accessories, sourced from affluent market vendors. The offered products can be easily installed and are highly acclaimed for their long service life, jerk-free movements, efficient speed control and highly reliable braking mechanism. We focus on the specific requirements of our clients and hence provide them customized solutions for ensuring their utmost satisfaction.

We also provide the installation, repairing and AMC service of the elevator and escalator for ensuring their proper functioning and safety of the customers, at all times. We have appointed a team of highly experienced professionals who render these services, at client's end, in both prompt and hassle-free manner. We maintain transparency in all our business dealings and follow business ethics, which ensures our clients' trust on us. We have gained vast client base in the national market owing to the excellent quality maintained in these elevator and escalators. After being stringently tested on several parameters set by the industry, we make these products available in numerous specifications for our clients!

### VTC offers following type of elevator

-  Traction Machine Room Elevator
-  Home Elevator
-  Goods Elevator
-  Capsule Elevator
-  MRL Gearless Elevator
-  Hospital Elevator
-  Escalator
-  Hydraulic Elevator

The essentials for safe, stylish and smooth comfortable vertical mobility

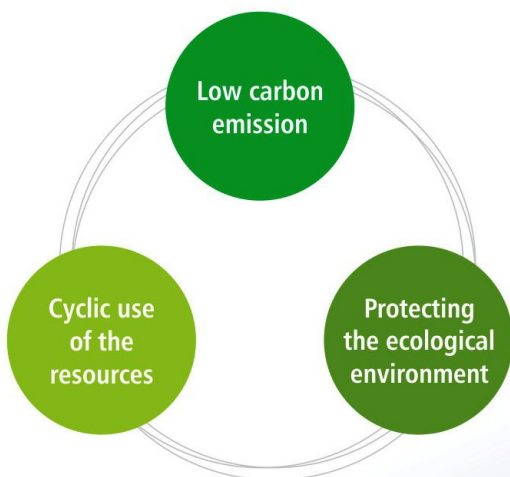
- Performance
- Service
- Choice of design
- Safety
- Space Logic
- Standards

# Energy-Saving and Environment Protection

Low carbon discharge for a sustainable development society.



VTC Elevator is based upon 'low carbon discharge', 'cyclic use of the resources', protecting the ecological environment'. It positively pushes forward low environmental load manufacture, repair and maintenance all over the world within whole life cycle of the products so as to fulfill the sustainable development of our society.

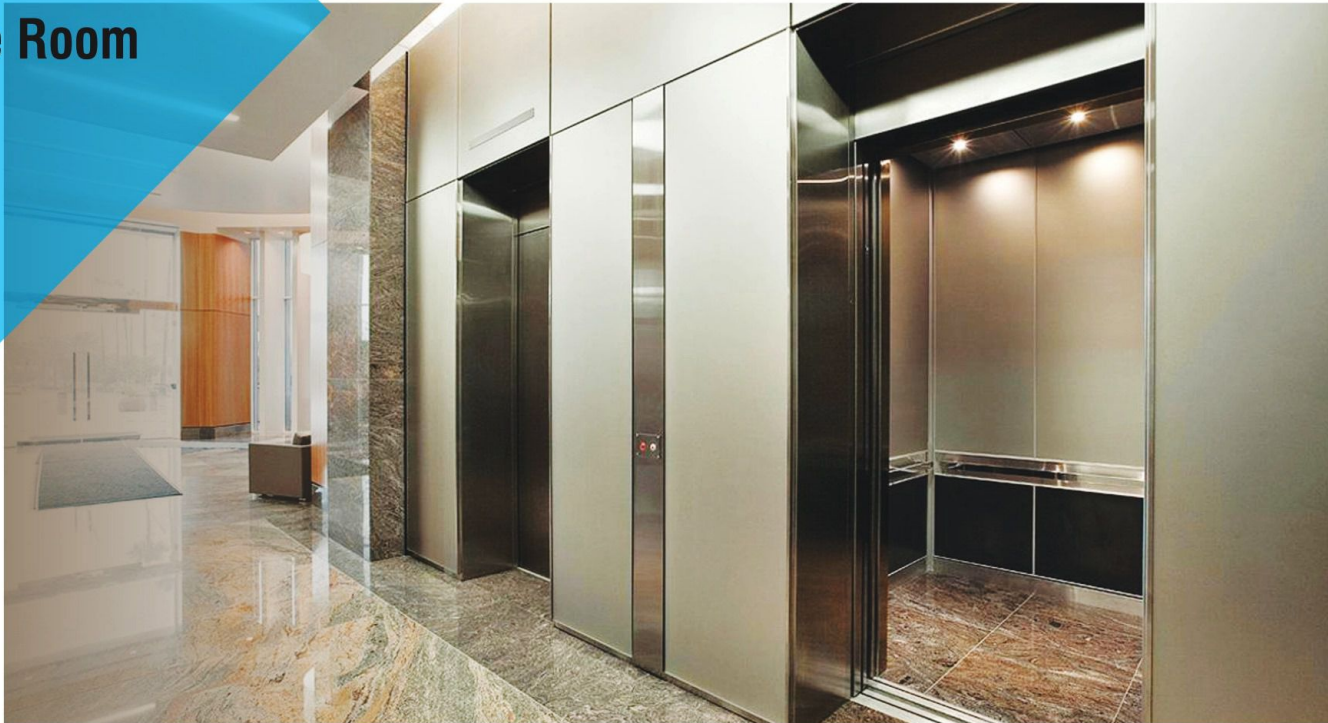


## New generation permanent magnet synchronous gearless traction machine

Permanent magnet synchronous gearless traction technology is the core technology which has been successfully developed by VTC Elevator with reliance of environmental protection ideas. It represents the future lift developing orientation. The saving of energy and space, reduction of building cost and decrease of lift running cost are the most characteristics of this core technology which leads this industry in the world. It throughly solves the environmental pollution problems which have been caused by the oil leakage from the traditional traction machines. It fulfills the maintenance-free and environmental protection requirements of the motors.

# Small Machine Room

## Passenger Elevator



### It greatly saves the space

Machine room is only extension of the well. It is convenient in the construction and low in cost. Regarding application of compact and gearless traction machine. It leave a larger space for machine room.

### Greatness in trivialness intellectual and outstanding

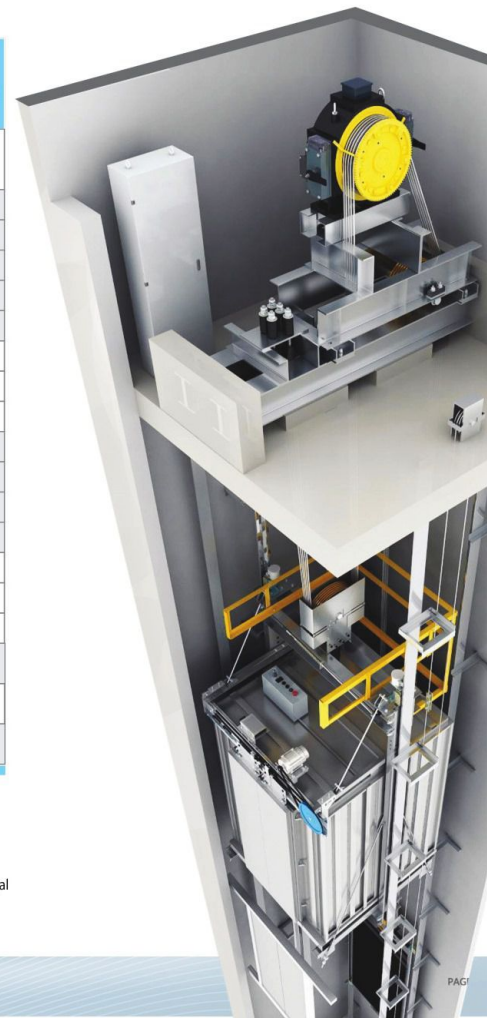
Apart from the effective and intellectual control system, VTC small machine room elevator also applies small traction machine and thin control cabinet design. It bring about the smaller lift machine room with the more compact layout. New generation small machine room serial goods of VTC truly fulfill energy-saving purpose of the enterprise.

Technical Data and Civil dimension for Machine Room Elevator

S No	Capacity of Elevator	Type of Elevator	Capacity in KG	Shaft Size		Cabin Size		Entrance Rough Wall		Door Type	Door Opening
				Width	Depth	Width	Depth	Width	Height		
1	13person	MR	884Kg	2400	1750	2000	1100	1240X2250		ACO	900
2	13person	MR	884Kg	1750	2400	1100	2000			ATO	900
3	13person	MR	884Kg	2100	1800	1700	1250			ACO	900
4	13person	MR	884Kg	1650	2300	1250	1700			ATO	900
5	13person	MR	884Kg	1950	2400	1100	2000			ACO	900
1	15person	MR	1020Kg	2400	1800	2000	1200	1340X2250		ACO	1000
2	15person	MR	1020Kg	1850	2400	1200	2000			ATO	1000
3	15person	MR	1020Kg	1700	2800	1000	2400			ATO	1000
1	16person	MR	1088Kg	2300	1950	1600	1600	1340X2250		ACO	1000
2	16person	MR	1088Kg	2500	1800	2000	1300			ACO	1000
3	16person	MR	1088Kg	1900	2500	1200	2100			ATO	1000
4	16person	MR	1088Kg	1800	2800	1050	2400			ATO	1000
1	20person	MR	1360Kg	2450	2150	2000	1550	1340X2250		ACO	1000
2	20person	MR	1360Kg	2300	2300	1800	1700			ACO	1000
3	20person	MR	1360Kg	2050	2900	1250	2500			ATO	1000
Speed		0.5 mps, 0.75mps, 1.0mps, 1.25mps, 1.5 mps, & 1.75mps.									
Pit Depth		(1500mm-1 mps and below,) (1600mm-1.25mps and 1.5 mps,) (1700mm-1.75mps)									
Over Head		(4500mm-1 mps and below speed,) (4550mm-1.25mps,) (4550mm-1.5mps & 1.75mps)									

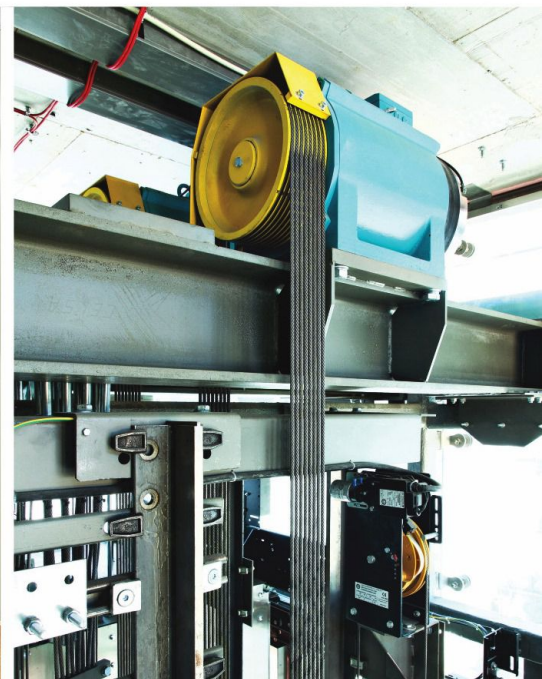
General note:-

- 1 All Dimensions are in millimeters. All dimensions are clear finished lift well after plastering. Plumbness of the shaft must be upto maximum +50mm.
- 2 Dimensions in the machine room depend on number and orientation of lift shafts. Lifting hook is required in machine room slab. All walls minimum 150 (RCC) or 230 (Brick).
- 3 Hoistway front wall 230 brick preferred. Door lintel height to be minimum 2250mm.
- 4 "RCC machine room structural slab minimum 150 mm thick, designed to sustain minimum 1000kg/m2 UDL. Plus reaction load shown in GAD for specific requirements our local representative will be happy to work with you in preparation of the drawings."
- 5 Machine room height as minimum 2500mm below lintel.
- 6 2400mm minimum opening below lintel height required at lowest and ground floor levels for entry of assembled equipment in shaft.



# MRL Machine Roomless

## Passenger Elevator



Technical Data and Civil dimension for Machine Roomless Elevator

S No	Capacity of Elevator	Type of Elevator	Capacity in KG	Shaft Size		Cabin Size		Entrance Rough Wall		Speed	Door Type	Door Opening	Pit Depth	Over Head	
				Width	Depth	Width	Depth	Width	Height						
1	4person	MRL	272Kg	1300	1300	750	1000	1000 X 2250		0.5 mps, 0.75mps, 1.0mps, 1.25mps, 1.5 mps, & 1.75mps.	Auto/Manual				
1	5person	MRL	340Kg	1550	1400	850	1000	1040 X 2250			ATO	700			
2	5person	MRL	340Kg	1450	1300	850	1000	1040 X 2250			ACO	700			
1	6person	MRL	408Kg	1600	1450	1000	1100				ATO	700			
2	6person	MRL	408Kg	1725	1400	1000	1100				ACO	800			
3	6person	MRL	408Kg	1650	1350	1050	1050				ACO	700			
4	6person	MRL	408Kg	1450	1450	850	1200	1140 X 2250			ATO	700			
1	8person	MRL	544Kg	1700	1600	1050	1300				ACO	800			
2	8person	MRL	544Kg	1900	1400	1300	1100				ACO	800			
3	8person	MRL	544Kg	1600	1600	1000	1350				ACO	700			
4	8person	MRL	544Kg	1550	1700	950	1400	1140 X 2250			ATO	800			
1	10person	MRL	680Kg	2000	1800	1350	1300				ACO	800			
2	10person	MRL	680Kg	2000	1700	1350	1300				ACO	800			
3	10person	MRL	680Kg	1900	1800	1200	1400				ACO	800			
4	10person	MRL	680Kg	1800	1700	1150	1450	1240 X 2250			ACO	800	(1500mm -	(4500mm -	
5	10person	MRL	680Kg	1800	1800	1150	1450				1 mps		and	below	speed,)
1	13person	MRL	884Kg	1900	2100	1200	1800				ACO	800			
2	13person	MRL	884Kg	1700	2350	1050	2100				ACO	900			
3	13person	MRL	884Kg	1900	2250	1050	2000	1240 X 2250			ACO	800	(1600mm -	(4550mm -	
4	13person	MRL	884Kg	2100	1750	1450	1450				1.25mps		and	1.25mps,)	
5	13person	MRL	884Kg	2650	1600	2000	1100				ACO	900			
6	13person	MRL	884Kg	1700	2350	1050	2000				ATO	900			
7	13person	MRL	884Kg	1700	2450	1050	2100	1340 X 2250			ATO	900	1.5 mps,)	(4500mm -	
1	15person	MRL	1020Kg	2100	2050	1400	1750				ACO	1000			1.5mps
2	15person	MRL	1020Kg	2100	1950	1450	1650			ACO	900			&	
3	15person	MRL	1020Kg	2150	1900	1500	1600			ACO	900			1.75mps)	
4	15person	MRL	1020Kg	1650	2700	1000	2400	1340 X 2250		ACO	900				
5	15person	MRL	1020Kg	1900	2250	1200	2000			ACO	900				
6	15person	MRL	1020Kg	1850	2300	1200	2000			ATO	1000				
1	16person	MRL	1088Kg	2100	2100	1400	1800			1340 X 2250		ACO	1000		
2	16person	MRL	1088Kg	2650	1700	2000	1300	ACO	1000						
3	16person	MRL	1088Kg	2250	1900	1600	1600	ACO	1000						
4	16person	MRL	1088Kg	2150	2000	1500	1700	ACO	1000						
5	16person	MRL	1088Kg	1900	2350	1200	2100	1340 X 2250		ACO	900				
6	16person	MRL	1088Kg	1850	2400	1200	2100			ATO	1000				
1	20person	MRL	1360Kg	2500	2250	1600	1900			ACO	1000				
2	20person	MRL	1360Kg	2600	2200	1700	1800			ATO	1000				
3	20person	MRL	1360Kg	2100	2900	1250	2500			ATO	1000				

General Note:-

1All Dimensions are in millimeters. All dimensions are clear finished lift well after plastering. Plumbness of the shaft must be upto maximum +50mm.

2Smoke Window sq 700X700 of removable type with louvers.

3Hoistway front wall 230 brick preferred. Door lintel height to be minimum 2250mm.

42400mm minimum opening below lintel height required at lowest and ground floor levels for entry of assembled equipment in shaft.

Traction with MR Machine

Passenger Elevator



Auto Door Passenger Elevators for Residential, Commercial Buildings, Hotel, Clubs, & Bungalows depending upon the shaft size with speed / amenities up to choice of owners.

Technical Data and Civil dimension for Machine Room Elevator

S No	Capacity of Elevator	Type of Elevator	Capacity in KG	Shaft Size		Cabin Size		Entrance Rough Wall		Door Type	Door Opening
				Width	Depth	Width	Depth	Width	Height		
1	4 person	MR	272 Kg	1300	1300	1000	900	1000X2250		ACO	600
2	4person	MR	272Kg	1300	1300	1000	830			MOD	700
3	4person	MR	272Kg	1300	1300	1000	830			ATO	700
1	5person	MR	340Kg	1500	1350	1100	850	1240X2250		ACO	700
2	5person	MR	340Kg	1400	1500	1000	850			ATO	700
1	6person	MR	408Kg	1500	1500	1100	1000	1040X2250		ACO	700
2	6person	MR	408Kg	1600	1400	1200	900			ACO	700
3	6person	MR	408Kg	1700	1500	1100	1000			ACO	800
4	6person	MR	408Kg	1400	1600	1100	1000			ATO	700
1	8person	MR	544Kg	1750	1650	1300	1100	1140X2250		ACO	800
2	8person	MR	544Kg	1500	1900	1100	1300			ATO	800
3	8person	MR	544Kg	1600	1800	1200	1200			ATO	800
1	10person	MR	680Kg	1800	1800	1350	1300	1140X2250		ACO	800
2	10person	MR	680Kg	1700	1950	1300	1350			ATO	800
3	10person	MR	680Kg	1700	1950	1200	1400			ACO	800
4	10person	MR	680Kg	1600	2000	1200	1400			ATO	800
Speed		0.5 mps, 0.75mps, 1.0mps, 1.25mps, 1.5 mps, & 1.75mps.									
Pit Depth		(1500mm-1 mps and below,) (1600mm-1.25mps and 1.5 mps,) (1700mm-1.75mps)									
Over Head		(4500mm-1 mps and below speed,) (4550mm-1.25mps,) (4550mm-1.5mps & 1.75mps)									



VTC-01

General note:-

- 1 All Dimensions are in millimeters. All dimensions are clear finished lift well after plastering. Plumbness of the shaft must be upto maximum +50mm.
- 2 Dimensions in the machine room depend on number and orientation of lift shafts. Lifting hook is required in machine room slab. All walls minimum 150 (RCC) or 230 (Brick).
- 3 Hoistway front wall 230 brick preferred. Door lintel height to be minimum 2250mm.
- 4 \*RCC machine room structural slab minimum 150 mm thick, designed to sustain minimum 1000kg/m2 UDL. Plus reaction load shown in GAD for specific requirements our local representative will be happy to work with you in preparation of the drawings."
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- 6 2400mm minimum opening below lintel height required at lowest and ground floor levels for entry of assembled equipment in shaft.

# Hospital

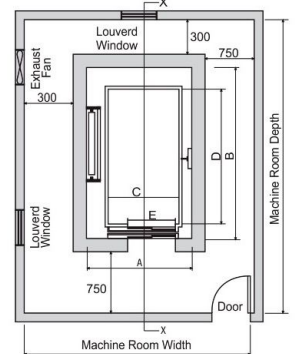
## Stretcher Elevator



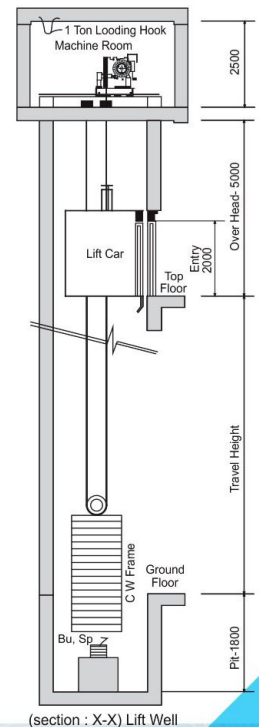
Hospital Stretcher Elevators for Nursing Home & Hospital Buildings depending upon the shaft size with speed / amenities up to choice of owners.



HOISTWAY ELEVATION PLAN



HOISTWAY ELEVATION DRAWING



Various options are available :

Speed	0.32 to 1.00 mt/ps
Capacity	15 to 30 passenger
Doors Finish	M.S. Collapsible Door. / M.S. Imperforated Door. / M.S. / S.S. Telescopic Manual Door. / M.S. / S.S. Telescopic Automatic Door. / M.S. / S.S. Center Opening Automatic Door.

AUTOMATIC CENTRE OPENING DOOR

AUTOMATIC TELESCOPIC DOOR

PERSON	CAPACITY KG.	SHAFT		CAR		SHAFT		CAR		ENTRANCE
		W	D	W	D	W	D			
		A	B	C	D	A	B	C	D	E
15	1020	1900	3000	1000	2400	1700	3000	1000	2400	800
20	1360	2300	3000	1300	2400	1950	3000	1300	2400	900
26	1768	2600	3000	1600	2400	2100	3000	1600	2400	1000

All Dimension are in mm. This is General Data, it may be changed without notice. All hoist way walls should be minimum 230 mm brick or 150 mm R. C. C.

(section : X-X) Lift Well

Goods

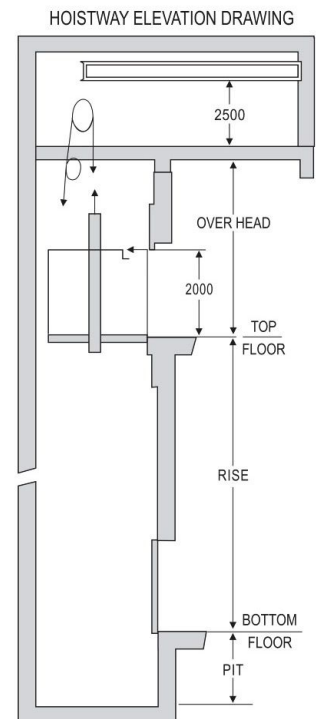
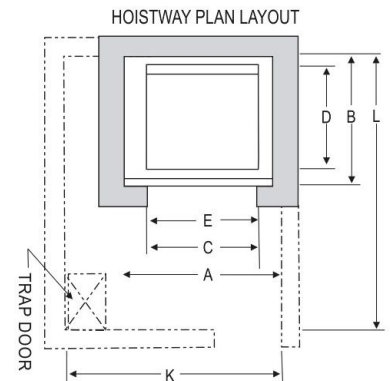
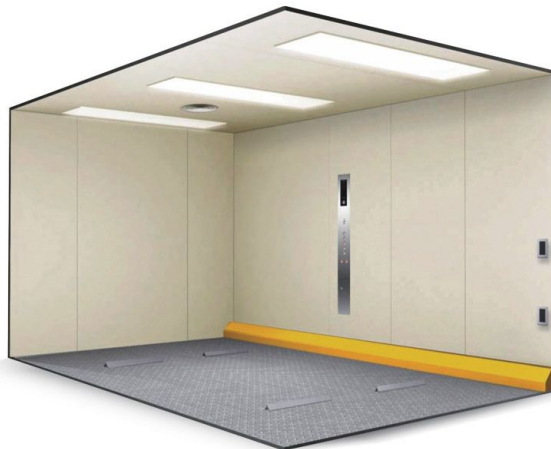
Freight Elevator



Goods Elevators for Commercial & Industrial Buildings depending upon the shaft size with speed / amenities up to choice of owners.

Various options are available :

Speed	0.32 mt / ps
Capacity	500 kg to 5000 kg
Doors Finish	M.S. Collapsible Door. / M.S. Imperforated Door. / M.S. / S.S. Telescopic Door.



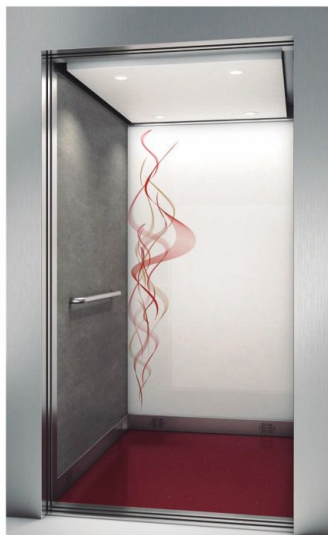
GOODS ELEVATOR

LOAD	LIFT WELL		CAR INSIDE		ENT.	MACHINE ROOM			UP TO 0.7 M/Sec.	
WEIGHT	WIDTH		DEPTH	WIDTH	DEPTH	WIDTH	DEPTH	HEIGHT	PIT	O.H.
IN KG.	A	B	C	D	E	F	G	H	K	M
500	1900	1500	1100	1200	750	3000	3800	2500	1600	4800
1000	2300	2100	1400	1800	1000	3000	4000	2500	1600	4800
1500	2600	2300	1700	2000	1250	3200	4200	2500	1600	4800
2000	2600	2800	1700	2500	1500	3200	4200	2500	1600	4800
2500	2900	2800	2000	2500	1500	3500	4400	2500	1600	4800
3000	2900	3300	2000	3000	2000	3500	4500	2500	1600	4800
4000	3400	3300	2500	3000	2000	4000	4600	2500	1600	4800

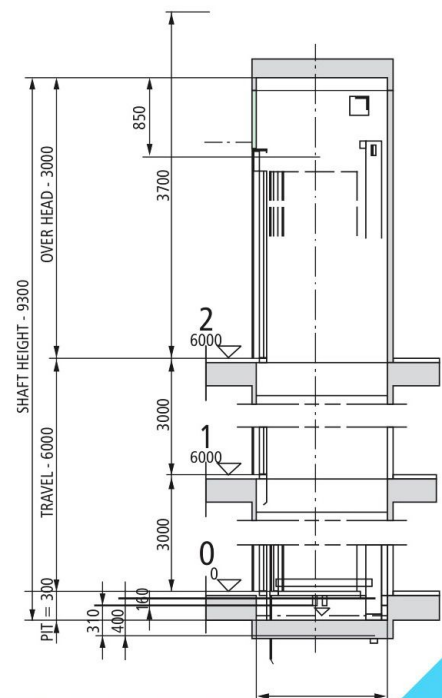
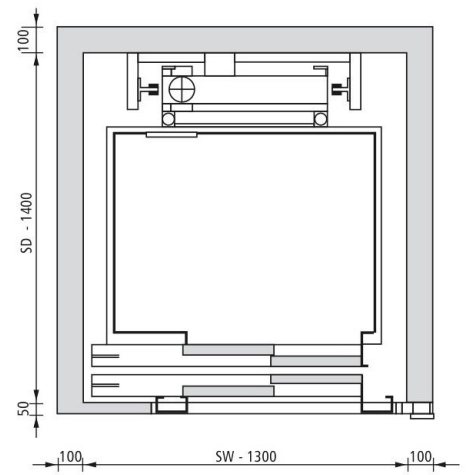
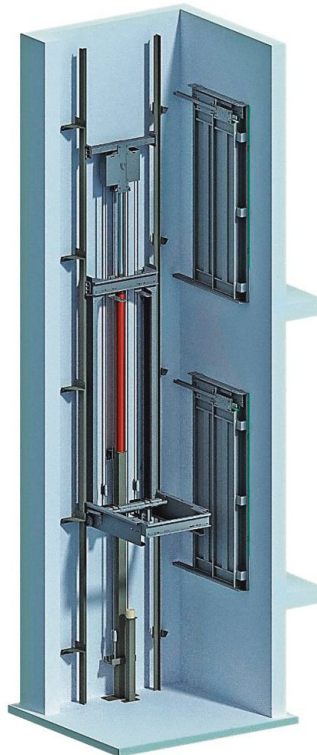
All Dimension are in mm.  
This is General Data, it may be changed without notice.



Hydraulic Elevator



VTC-06



Civil Dimensions of Home lift

Sr. No	Capacity of Elevator	Door Size	Shaft Width	Shaft Depth	Cabin Size Width	Cabin Depth	Pit
1	2	700	1300	1200	1100	590	300
2	4	700	1300	1400	1100	790	300
3	6	700	1500	1500	1200	890	300

# Cabins



VTC-03



VTC-05

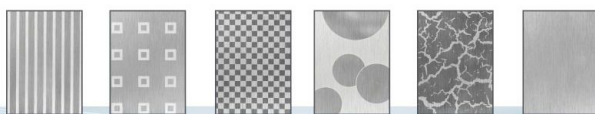


VTC-02



VTC-08

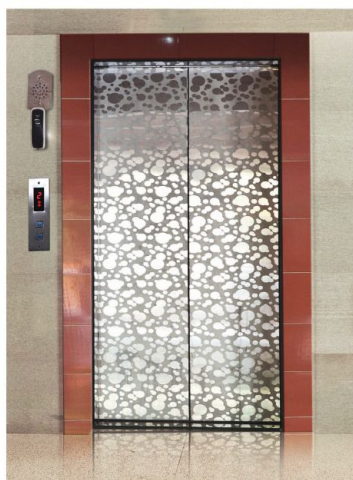
## ETCHING S.S. FINISH



## ETCHING GOLD FINISH



# Doors



S.S. Center Opening Designer Autodoor



S.S. Telescopic Autodoor



Half Vision Glass Autodoor

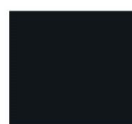


Imperforated Manual Door



Collapsible Manual Door

## Powder Coted Shads



STR. BLACK  
KEP 800/11/40



GL AZURE BLUE  
KEP 813/12



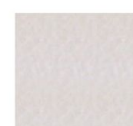
MATT KRIP BROWN  
KEP 8462/20



STR. IVORY  
KEP 8340/12/40



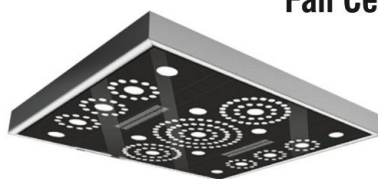
GL JASMIN YELLOW  
KEP 837/12



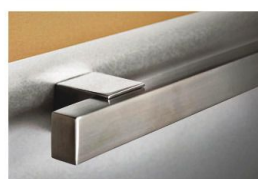
STR. RAL GREY  
RAL 7035/40

## Accessories

### Fall Ceiling



### Handrail



# COP & LOP

Tower Type COP



Height - 1170 mm Approx.

Width  
195 mm Approx.

**Grand**



SC-003C



SC-004L



SC-004C



SC-003L

**Eco**



SC-005SC



SC-006GC



Glass Touch COP



Glass Touch COP



Glass Touch LOP



240 X 128 GLCD Monochrome



TFT Color Display 4.3"



16 X 16 Two Digit Dot Matrix Display



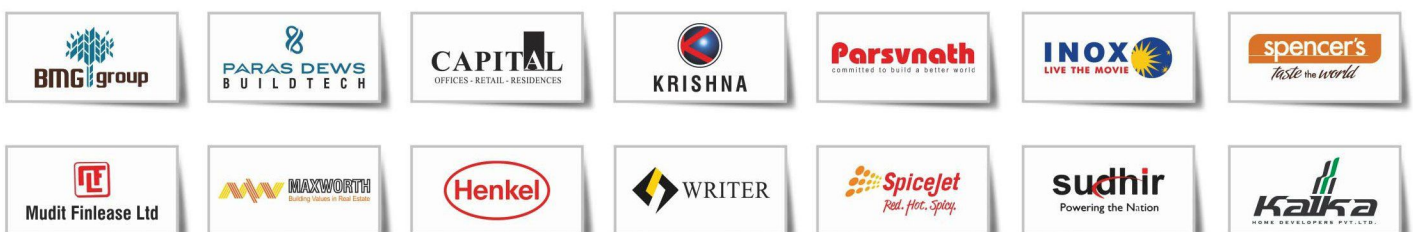
## Stranded Function

- VVVF Drive
- VVVF Door operator
- Independent running
- Automatically pass without stop
- Re-Open with hall call
- Express door closing
- Car stop and door open
- Command register cancel
- Direct stopping
- Photocell protection
- Over load holding stop
- Anti-stall timer protection
- Main supply Monitoring
- Inspection operation
- Fault Self -Diagnosis
- Break detection function
- Repeated door closing
- UP/Down Over run and final limit protection
- Down Over-speed protection
- Upward over-speed protection
- Emergency car lighting
- EAB
- Break releasing device
- Fire emergency return
- Parking floor
- MOHP Motor over heating protection device.
- Car ventilation,Light automatic close off
- Door pressure switch
- Shaft Learning
- Landing Call Button At Each Floor
- Door-open Time Set
- Nudging Run
- Level Fine Adjustment
- Inverted Running Protection
- Power Overvoltage Protection
- Motor Overload Protection
- Encoder Failure Protection
- Door Lock short Circuit Protection
- Motor Overheating Protection
- Run Time Recorder
- Down-collective Operation
- Security Floor Nighttime
- Floor position update at near by floor
- Handrail in car cabin
- Half portion mirror in lift cabin
- Full lenth Landing toe guard
- Car faciya Guard
- Self lubrication
- Screen Guard
- Tention weight safety
- Rope Jumping Guard
- Oil tray for storing extra oil
- Car top railing
- Fly wheel
- Cross flow fan
- LED Light
- Floor position indicater
- LED glowing Raund push button
- Break protection device
- Semi cumunication control system
- Encoder Guard

## Optional Function

- Axis Card Control
- Voice Announcement
- Duplex Control
- Brille button
- Physical Disabilities Care (Standard function for hospital elevator)
- Group Automatic Operation
- Auxiliary COP (Standard function for hospital elevator)
- Earthquake Protection
- Pre-opening
- Steaming Media Display Board
- Car Inside Camera
- Duplex Control
- Smart Call Service
- Remote Control
- Traffic Peak
- Full lenth COP
- Disgital Over load protection
- Full vision Glass door
- Desginable Cabin
- 3D sensor for door protection
- Camera cable
- Five way Intercome
- VFD/LCD/TFT/Dot matrix display
- Over Load Anuncment
- ARD Anouncement
- Floor Arrival Chem
- Cabin Fan
- Cabin AC
- Wire less camera system
- Hot calling intercom system
- Bio-matrix system
- Touch LOP And COP with Tuffen Glass
- Trap door
- BMS System
- Voltage Protection Device
- Roller Guide Shoe
- CWT Safety Gear System
- Rope Griper
- Bio directional OSG
- Machine sheav Guard

## Our Reputed Client



# Escalator



## Advantageous performances of escalator

VTC Elevator & Escalator products have been produced according to the current international standard and Indian standard. It fully applies the novel materials and advanced technology both at home and abroad to design and manufacture the lifts. It has the features such as smooth running, low noise, fine durability, convenient repair, fine and exquisite structure, consummate lift-way, remarkable belt-way, attractive outline model, magnification design style with gentle modern flavor. A safe, cozy and beautiful escalator can let you enjoy the pleasant and comfortable moment everyday.

VTC Elevator & Escalato is exceeding your expectations! It is widely applicable for the shopping center, supermarket, subway, airport etc. with large volume of passenger traffic. It adds one flow and bright scene to your construction.

- The truss utilizes first class rectangle steel with unique structure, high strength and nice anti-corruption durable features.
- The overall design is concise, smooth and compatible.
- The advanced international craftsmanship ensures the accuracy of steps.
- The large size diameter of step roller operates minimizes the noise and prolongs the product life.
- The human-oriented handrail entrance is secured by brush.
- The skirt together with interior and outside deck uses deluxe stainless steel.
- Etched stainless steel front panels are available with various varieties.
- The super CPU main board monitors the operation in real time.
- If any abnormal situation occurs, It automatically brakes and records the malfunctions code.
- Customer can choose VVVF control to control running speed, the energy saving performance is obvious.
- It can prolong product life and reduce the operation cost.

### Escalator Handrail



Black



Black with white demarcation inserts



Red



Blue



Green



Brown



Beige

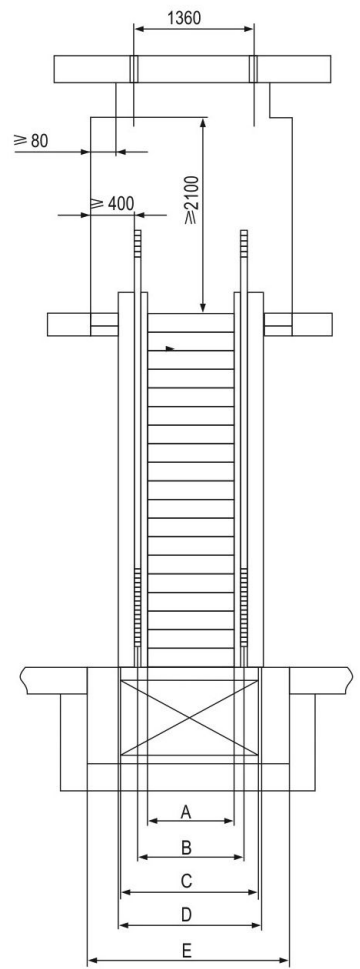
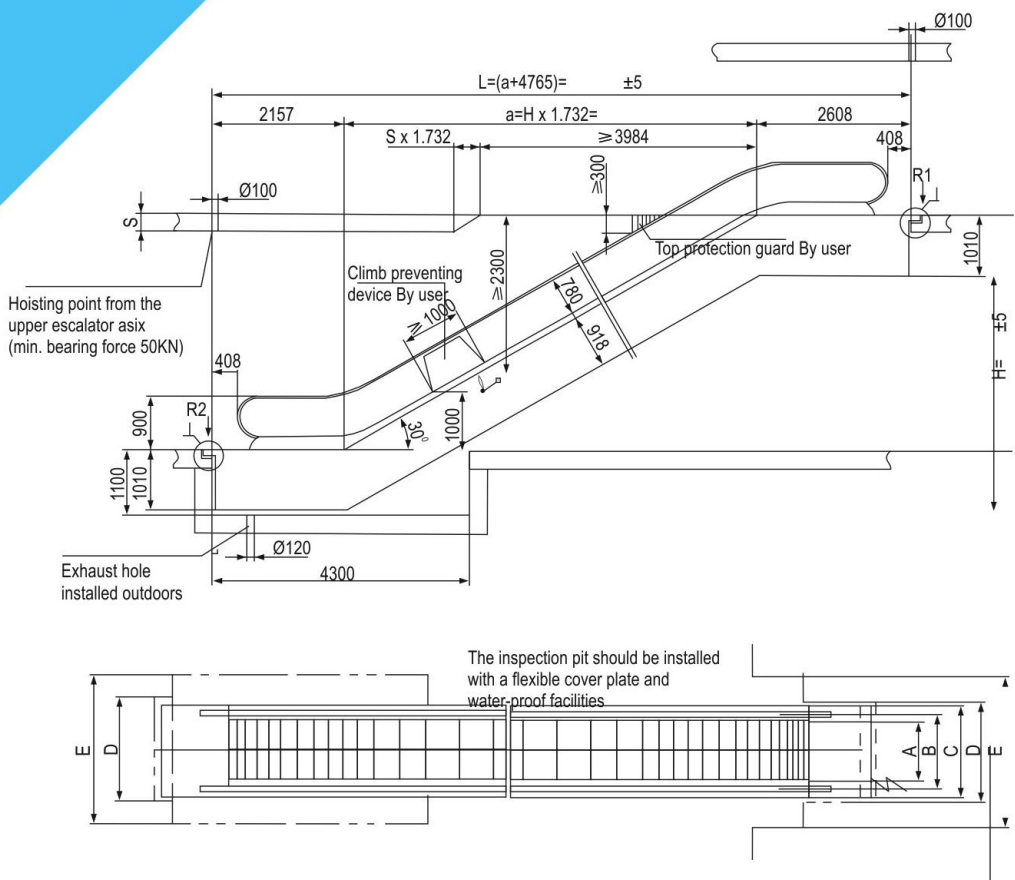


Grey

### The Glass Wainscot Color



# Technical Drawing



Model	Travelling height (mm)	Net weight KN	Supporting		Motor Power	Transport size	
			R1 KN	R2 KN		H	L
SME(600)-35 (4500/h) speed 0.5m/s	3000	57	46	41	8	2750	10900
	3500	60	49	44		2780	11890
	4000	64	52	47		2910	12880
	4500	68	56	50	11	2830	13870
	5000	71	59	53		2840	14860
	5500	75	62	56		2860	15860
SME(800)-35 (6750/H) speed 0.5m/s	3000	59	52	47	8	2750	10900
	3500	63	56	50		2780	11890
	4000	67	60	54		2810	12880
	4500	71	64	57	11	2830	13870
	5000	74	68	60		2840	14860
	5500	82	74	66		2860	15860
SME(1000)-30 (9000/H) speed 0.5m/s	3000	63	59	53	8	2750	10900
	3500	67	64	57		2780	11890
	4000	71	68	61		2810	12880
	4500	75	73	65	11	2830	13870
	5000	83	79	71		2840	13610
	5500	87	84	75		2860	15860
6000	92	88	79	2870	16860		

Step width (mm)	A	B	C	D	E
1000	1000	1238	1600	1660	2310
800	800	1038	1400	1460	2110
600	600	838	1200	1260	1910

