



Product Planning Guide





ACCORD ELEVATORS INDIA PRIVATE LIMITED was established in November 2012 with its Corporate office at Chennai and branches at Bengaluru, Hyderabad, Mumbai and Kerala. Accord Elevators is managed by its founder H.N.Sadaqathullah and other professionals who have served in the elevator industry for decades. The team having worked for several years with multinational companies are highly 'quality and safety' conscious and dedicated in providing the best products and services to their customers.

ACCORD spare no effort in providing the most 'safe and comfortable elevators' manufactured in compliance with Bureau of Indian Standards and other International codes like EN81. The portfolio includes passenger and service elevators, home lifts, car elevators and dumb waiters as well as customized products.

ACCORD is dedicated to continuous upgrading and promotion, achieving the maximization of customer values. Adhering to business ethics and internal control principles, the company creates trustworthy, respectable business environment. Staffs are provided with pleasant working platforms and career development opportunities and the 'business partners' with fair competition and mutual beneficial cooperation.

Regular 'elevator maintenance' is essential in order to provide a 'safe and reliable operation' of the equipment. Our experienced team of elevator specialists are committed to provide the service customers require for all their elevator needs. ACCORD offers flexible elevator service contracts to suit clients particular needs and requirements. Our routine service includes 'regular inspection' and 'planned preventive maintenance' that ensure safety and long life of the equipments.

Driven by the unwavering passion and commitment, ACCORD has been growing steadily and has become one of the preferred brands in the Indian elevator market for the 'premium segment'.

# Cabin & Entrance Design

You have a picture in your mind of the car you want, and you'll find that Accord provides the options you need to fill your vision.. You can design different elevator interiors with the options we make available. Or, if you prefer, you can challenge our custom design staff to assist you in designing a cab that is uniquely yours.

A-CE01



Lighting : Down Lights with LED  
Ceiling : Aluminum Composite panel  
Side walls : M.S Powder Coated  
Back wall : M.S with Full Height Mirror in Center Panel  
Handrail : Pipe Type  
Flooring : PVC Flooring

A-CE02



Lighting : Direct Lightning with LED  
Ceiling : Aluminum Composite panel  
Side walls : SS Hairline  
Back wall : SS with full height Mirror in center panel  
Handrail : Pipe Type  
Flooring : Granite (by others)

A-CE03



Lighting : Indirect Lighting  
Ceiling : Aluminum Composite panel  
Side walls : SS Hairline  
Back wall : SS Mirror finish  
Handrail : Pipe Type  
Flooring : Granite (by others)

Automatic Doors



Jamb : Ms Painted Finish (Standard)  
Door Finish : Ms Painted (Standard)  
Door type : Side opening (Telescopic)



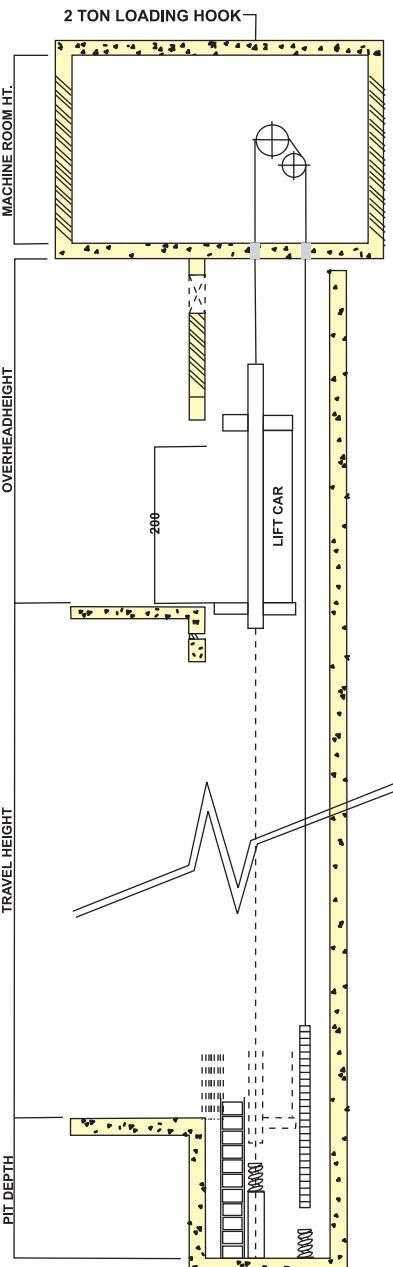
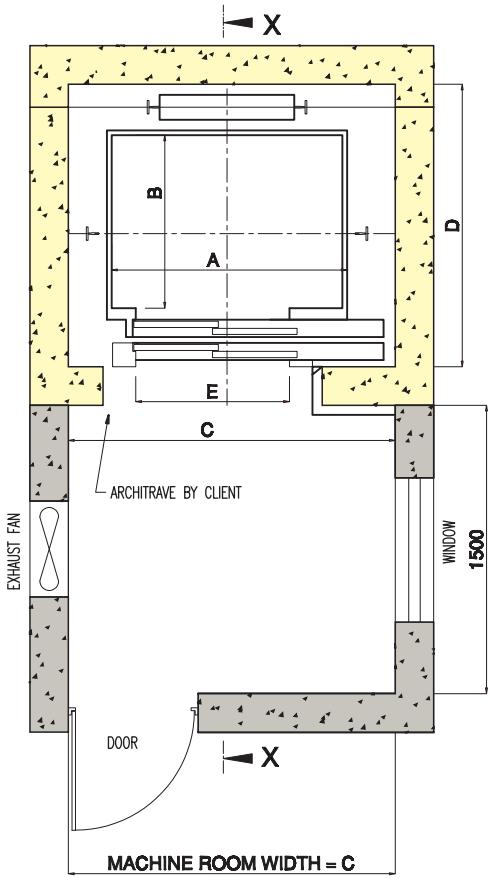
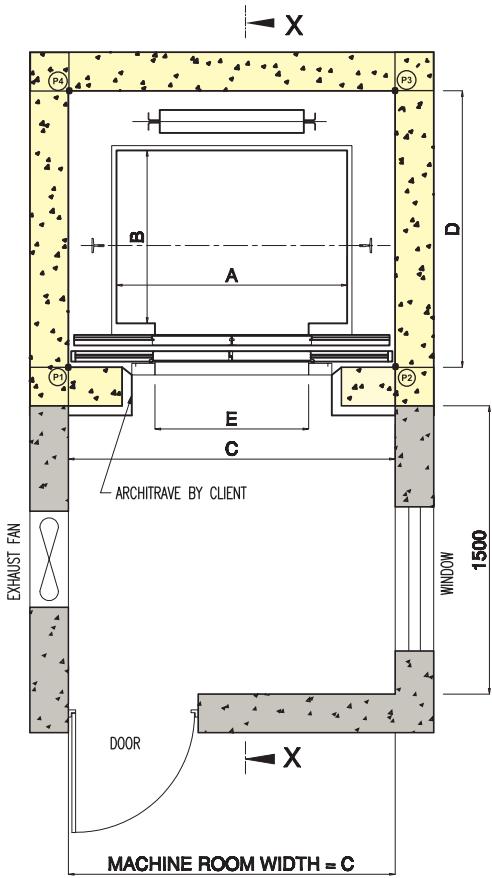
Jamb : Stainless Steel Hairline finish  
Door finish : Stainless Steel Hairline finish  
Door type : Center opening



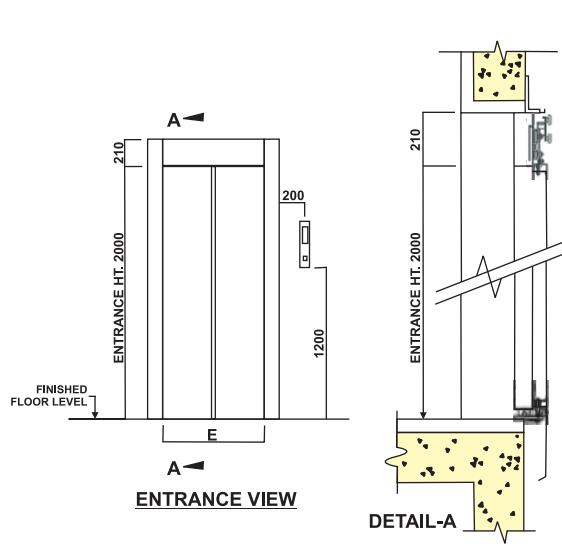
Jamb : Stainless steel Hairline finish  
Door finish : Big vision Glass doors  
Door type : Center opening

# Layout (OH Traction)

Center Opening



LIFT WELL (SECTION: X-X)



# Basic Specification (OH Traction)

## Horizontal Dimension

### Geared

Accord is proud to offer a complete line of Geared Traction Elevators. The unique design of our traction elevators makes them ideal for buildings with up to 80m of travel. Known for their smooth ride and quick acceleration, they are designed to travel at speeds up to 1.5m/s. Geared elevators are used in low-to-mid-rise residential & commercial buildings and for freight applications.

Passenger	Capacity (kg)	Speed (m/sec)	Door Type	Car Size (mm)		Elevator Well (mm)	
				A x B	E		
4	272	0.63	CO	1100 X 700	700	1500 X 1300	
			2S	900 x 850	700	1400 x 1500	
6	408	0.7 1.0 1.5	CO	1100 x 1000	700	1500 x 1600	
			CO	1200 x 900	700	1600 x 1500	
			2S	1200 x 900	800	1650 x 1650	
8	544		CO	1300 x 1100	800	1700 x 1700	
			CO	1400 x 1000	800	1800 x 1600	
			2S	1300 x 1100	800	1700 x 1750	
10	680	1.0 1.5	CO	1300 x 1350	800	1700 x 1950	
			CO	1400 x 1250	800	1800 X 1850	
			2S	1300 x 1350	800	1800 x 2000	

\* Higher capacity available in geared elevators, please check with our sales engineer

### Gearless

Gearless elevators are the correct selection wherever building height or higher capacity (due to high population density) dictates the highest level of elevator performance. Sophisticated motor controls ensure high operating speeds and minimum floor-to-floor flight times, without sacrificing passenger comfort and safety.

Passenger	Capacity (kg)	Speed (m/sec)	Door Type	Car Size (mm)		Elevator Well (mm)	
				A x B	E		
13	884	1.0 1.5 1.75	CO	2000 x 1100	900	2500 x 1750	
			2S	1100 x 2000		1900 x 2500	
			2S	2000 x 1100		2500 x 1850	
15	1020		CO	1600 x 1500	900	2050 x 2150	
			2S	1100 x 2100		1900 x 2600	
16	1088		CO	2000 x 1300	1000	2500 x 1950	
			2S	1000 x 2400		2000 x 3000	
17	1156		CO	1800 x 1500	1000	2300 x 2150	
			2S	1800 x 1500		2300 x 2200	
20	1360		CO	2000 x 1500	1000	2500 x 2150	

\* Smaller capacity available in gearless elevators, please check with our sales engineer

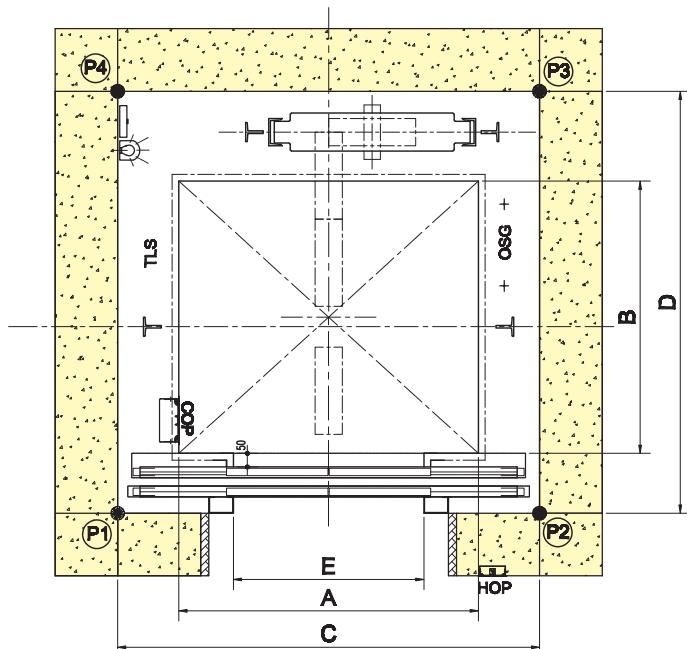
## Vertical Dimension

Speed (m/sec)	0.7	1.0	1.5	1.75
Standard car inside height (CH) mm	2200	2200	2300	2300
Standard door height (HH) mm	2000	2000	2100	2100
Maximum travel (TR) in m	30	60	80	80
Standard pit depth (PD)	1500	1500	1650	2000
Standard Over head height (OH)	4200	4200	4600	4800
Standard Machine Room Clear Height (MH) in mm	2600	2600	2600	2600
Minimum Floor to Floor Height in mm	2600	2600	2600	2600

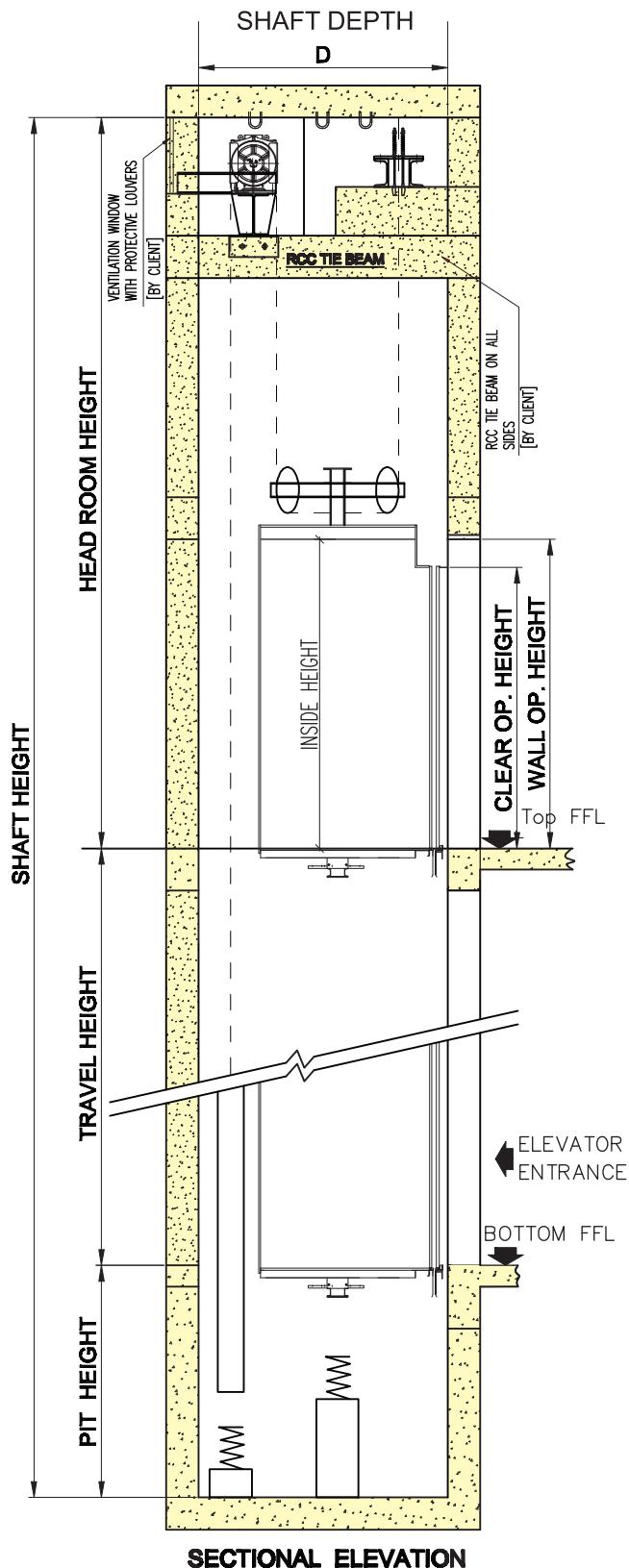
### Note:

- The dimensions in the table are applied to standard specifications only.
- Rated capacity is calculated as 68kg per person, as required by the IS code.
- Minimum hoistway dimensions (C and D) shown in the table are after waterproofing of the pit and do not include plumb tolerance.
- Dimensions in the machine room depend upon orientation and number of lift shafts.
- If access to machine room is by a steel ladder instead of a staircase, provide a trapdoor with lifting hook in the machine room.
- For special requirements, our sales person will be happy to work with you in preparation of the drawings.

# Layout & Basic Specification (MRL)



LIFT SHAFT & PLAN OF CAR



SECTIONAL ELEVATION

## Vertical Dimension

Speed (m/sec)	1.0	1.5	1.75
Standard car inside height (CH) mm	2200	2300	2300
Standard door height (HH) mm	2000	2100	2100
Maximum travel (TR) in m	60	80	80
Standard pit depth (PD)	1650	1800	2000
Standard Over head height (OH)	4700	5000	5200
Minimum Floor to Floor Height in mm	2600	2600	2600

## Note:

- The dimensions in the table are applied to standard specifications only.
- Rated capacity is calculated as 68kg per person.
- Minimum hoistway dimensions (C and D) shown in the table are after waterproofing of the pit and do not include plumb tolerance.
- Lifting hook in headroom required. All walls minimum 150RCC or 230 Brick. (Hoistway front wall 230mm Brick preferred.)
- RCC headroom structural slab Minimum thickness 150mm
- For special requirements our sales person will be happy to work with you in preparation of the drawings.

# Layout & Basic Specification (Home Lift & MRL Cantilever)

## Home Elevator

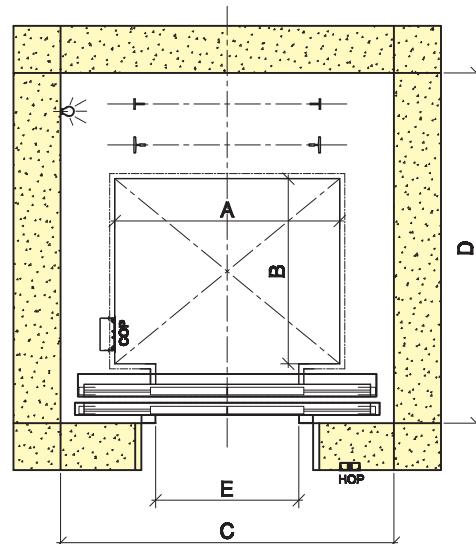
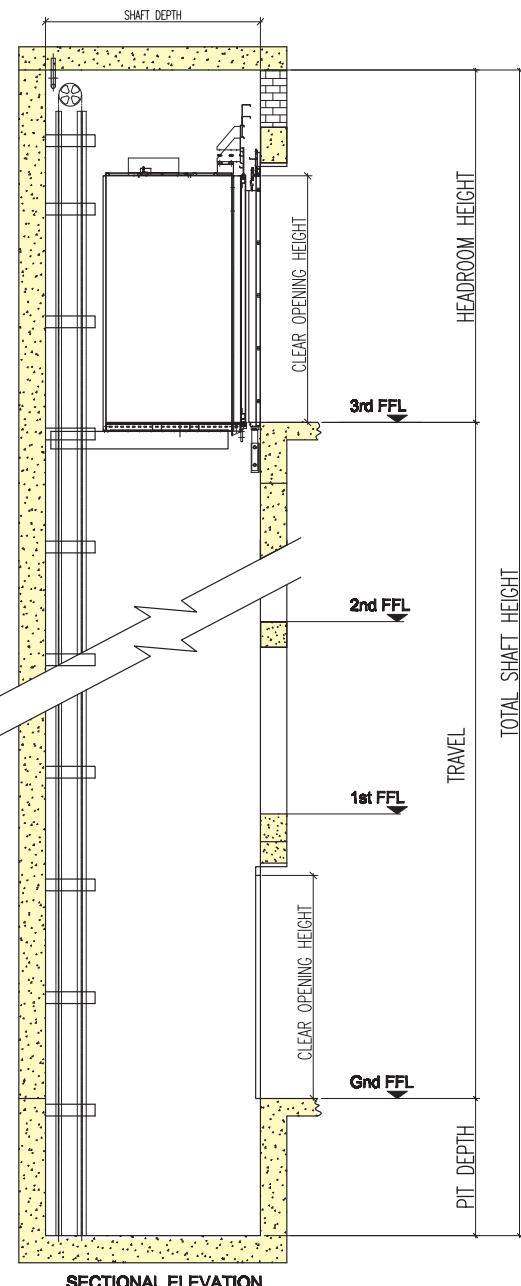
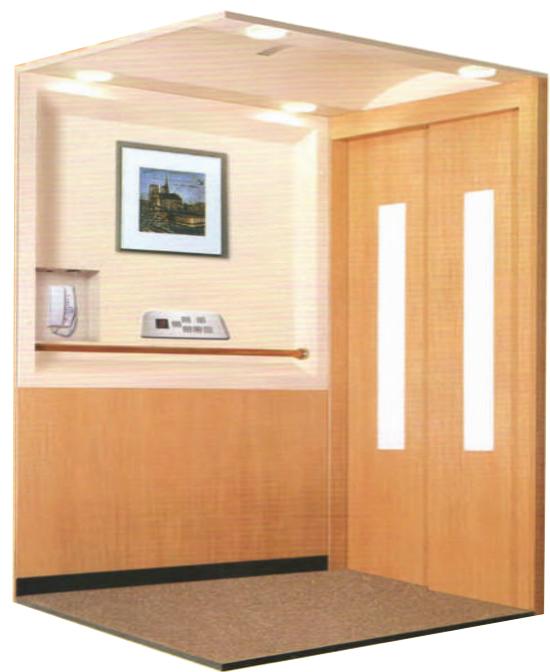
The challenge was to design an elevator that could offer you the luxury, style and accessibility you demand while easily fitting into your home.

Accord home elevator is fully designed for customers' needs and to meet the highest standards of quality and provide a lifetime of dependable service.

We offer models to fit every budget with a broad range of styles that blend perfectly into any home décor. It delivers a smooth, quiet ride that improves your home accessibility and enhances your quality of life.

The home elevator also facilitate for moving bulky objects from floor-to-floor safer, easier and more convenient.

Since each Home is unique, each Home elevator is custom-made. Please contact our Branch office or sales engineer.



Passenger	Capacity (kg)	Speed (m/sec)	Door Type	Car Size (mm)		Elevator Well (mm) C x D
				A x B	E	
4	272	0.32	C O	1100 X 700	700	1500 X 1600
			2 S	1100 X 700		1500 X 1750
			C O	1100 X 1000		1800 X 1900
	6	0.65 & 1.0	2 S	1100 X 1000	800	1800 X 2150
			C O	1300 X 1100		1800 X 2000
			2 S	1300 X 1000		1800 X 2150

## Vertical Dimension (Home Lift)

Speed (m/sec)	0.32
Standard car inside height (CH) mm upto roof	2100
Standard door height (HH) mm	2000
Maximum travel (TR) in m	10
Standard pit depth (PD) mm	500
Standard over head height (OH) mm	3200
Minimum Floor to Floor Height in mm	2600

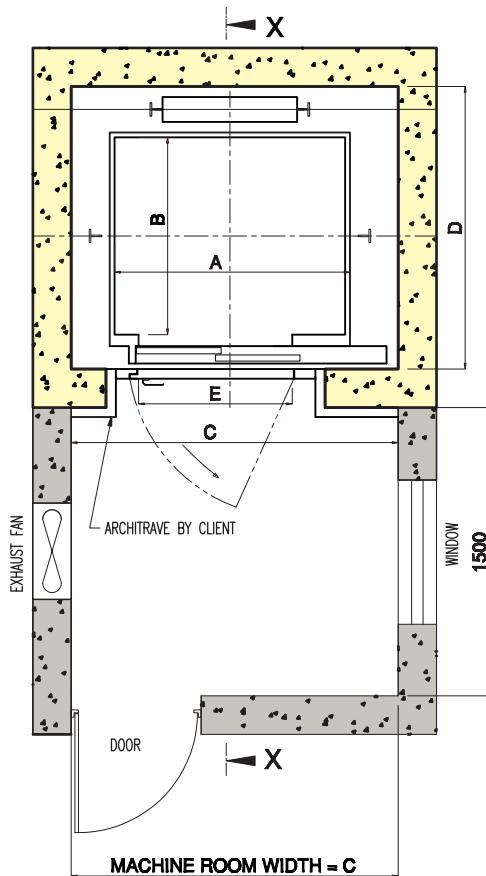
## Vertical Dimension (Cantilever)

Speed (m/sec)	0.65
Standard car inside height (CH) mm upto roof	2200
Standard door height (HH) mm	2000
Maximum travel (TR) in m	15
Standard pit depth (PD) mm	1500
Standard over head height (OH) mm	4200
Minimum Floor to Floor Height in mm	2600

### Note:

- The dimensions in the table are applied to standard specifications only.
- Rated capacity is calculated as 68kg per person.
- Minimum hoistway dimensions (C and D) shown in the table are after waterproofing of the pit and do not include plumb tolerance.
- Lifting hook in headroom required. All walls minimum 150RCC or 230 Brick. (Hoistway front wall 230mm Brick preferred.)
- RCC headroom structural slab Minimum thickness 150mm
- For special requirements our sales person will be happy to work with you in preparation of the drawings.

# Layout & Basic Specification (Manual Door)



Car Door – Manually operated MS sliding door  
Landing Door – MS Swing door.

Passenger	Capacity (kg)	Speed (m/sec)	Car Size (mm)		Elevator Well (mm)
			A x B	E	C x D
0.63	4	272	1100 x 700	700	1500 x 1200
			1100 x 900	700	1500 x 1450
			1200 x 800	700	1600 x 1350
	5	340	1100 x 1000	700	1500 x 1550
			1200 x 900	700	1600 x 1450
			1400 x 800	700	1800 x 1350
	6	408	1300 x 1100	800	1700 x 1650
			1100 x 1300	800	1500 x 1850
			1400 x 1000	800	1800 x 1550
0.65	8	544			

## Vertical Dimension

Speed	0.63/0.65/0.7
Standard car inside height (CH) mm	2200
Standard door height (HH) mm	2000
Maximum travel (TR) in m	30
Standard pit depth (PD)	1500
Standard Over head height (OH)	4200
Standard Machine Room Clear Height (MH) in mm	2600
Minimum Floor to Floor Height in mm	2600

### Note:

- The dimensions in the table are applied to standard specifications only.
- Rated capacity is calculated as 68kg per person, as required by the IS code.
- Minimum hoistway dimensions (C and D) shown in the table are after waterproofing of the pit and do not include plumb tolerance.
- Dimensions in the machine room depend upon orientation and number of lift shafts.
- If access to machine room is by a steel ladder instead of a staircase, provide a trapdoor with lifting hook in the machine room.
- For special requirements, our sales person will be happy to work with you in preparation of the drawings.

### Manual Doors :

Accord offer the most economic & optimal design solutions for buildings where there space constraint through its most reliable Manual doors. Solid built yet light weight, Anti corrosive coating for enhanced life, Noiseless & smooth operation.



Swing Door



Telescopic Door



Semi Automatic Door

# Layout & Basic Specification (Car Lift)

## Car and Freight Elevators

Accord 'Car' and 'Freight' elevators are designed for the maximum durability and reliability. Available in hydraulic, machine room - less & Conventional Machine room (LMR) versions, there is a design to fit your needs.

### Car Elevator

Installation of an Automobile Elevator leads to better use of building space thus enhancing the value of the building. It results in a big saving of space and offers building planners and architects greater flexibility in designing buildings.

Automobile Elevator from Accord offers a safe and cost effective solution to transport automobiles between fixed levels.

### Freight Elevator

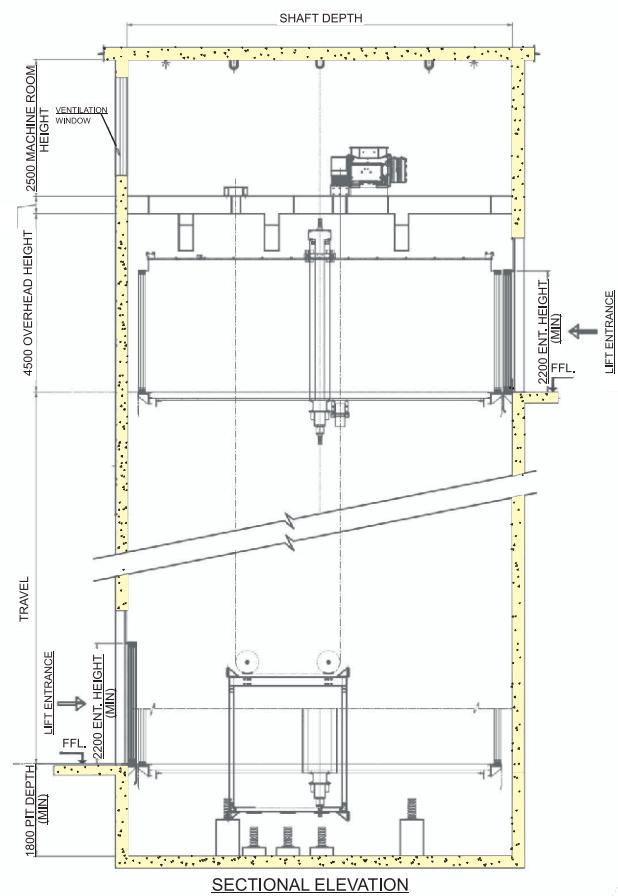
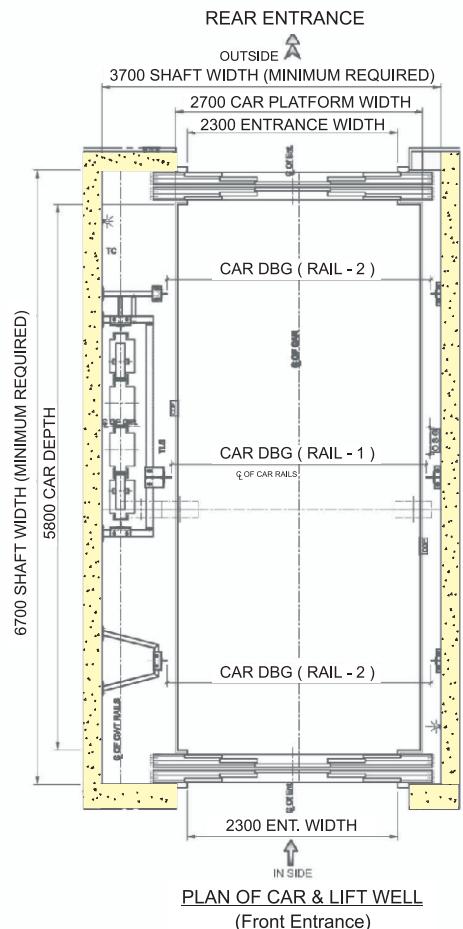
As Freight Elevators are subjected to rough usage and hostile conditions, it is important to make them robust and sturdy. This is only possible if we make them better by design.

- \* Different type of doors: vertical bi-parting, vertical and horizontal sliding
- \* Custom cab heights
- \* Different cab finishes

#### Brief Specification:

Capacity : 2000 Kg - 5000 Kg  
Speed : 0.5 mps  
No. of stops : 2 - 8  
Max. Travel : 15 m (Hydraulic)  
: 25 m (MRL/LMR)

Since each situation is unique, each Automobile or Freight elevator is custom-made. Please contact our branch office or sales engineer for a design proposal specific to your requirements.



# Signal Fixtures

Function and appearance are paramount in the design of all "Accord" fixtures. The attention to detail and broad variety of fixture styles gives you the flexibility to create a distinct and dependable elevator.

## Car Operating Panels



A-CPI1



A-CPI2



A-CPI3



A-CPI4

## Landing Operating Panels



A-HPI1



A-HPI2



A-HPI3



A-HPI4

# Features

Sl. No.	Function		Description	Auto Door	Manual Door
1	Variable voltage variable frequency	AC-VVVF	Accurately adjusts motor speed to make the speed curve for smooth starting, running, and stopping to obtain comfort.	S	S
2	Full collective / selective operation	FCO	Registered car and hall calls are answered in the order in which the landings are reached. The direction of travel is established by the first registered car command or hall call.	S	S
3	Emergency car lighting	ECL	When power fails, emergency light in the car will turn on automatically.	S	S
4	Emergency Alarm Bell	EAB	Emergency alarm can be operated by pressing a button in the car, power supply for which is obtained from Ni-Cd batteries.	S	S
5	Emergency Intercom system	EIS	A system which allows communication between passengers inside car and the building personnel.	S	O
6	Accord Emergency Rescue Device	AERD	This device is used for rescue operation in case of power shut down, it is powered by a rechargeable battery. When a sudden power cut happens, a sound signal will comfort the trapped passengers, then the car will move to the nearest floor and the doors open to ensure passenger safety. Meanwhile trapped passengers can get out of the car.	S	O
7	Fireman emergency operation	FEO	During Fire, When the fireman emergency operation switch is activated, the car calls and all hall calls are cancelled and the car immediately returns to the predetermined floor. The car then responds only to car calls which facilitate fire-fighting and rescue operations.	S	O
8	Multi Beem Door sensor	MBDS	Multiple infrared-light beams cover the full height of the doors as they close to detect passengers or objects.	S	-
9	Door Reopen with Hall Call Button operation	DROB	Closing doors can be reopened by pressing the hall button corresponding to the travel direction of the car.	S	-
10	Door open button with light	DOBL	The door open button in the car operating panel permits to open an automatic door, and to keep it open by constant pressure. Door open button will be highlighted if the buttons are pressed.	S	-
11	Door close button with light	DCBL	The door close button in the car operating panel permits to close an automatic door. Door close button will be highlighted if the buttons are pressed.	S	-
12	Forced Door closing	FDC	Should an obstacle prevent the door closing, the doors will repeatedly open and close until the object is removed.	S	-
13	Overload Device	OLD	If the load exceeds the rated load, the sound signal will be given out by Speaker and 'OVERLOAD' will be displayed, the car door will not close and the elevator will not start. The overload condition is removed when the weight of the car falls below the rated load.	S	O
14	Motor Overheat Protection	MOP	Self protection mode will be achieved if the temperature of the motor exceeds the preset value due to the heat made by motor itself or the high temperature in the environment. The car stops at the nearest floor & once the temperature falls down to normal, the car will recover to the normal mode.	S	S
15	Over speed protection	OSP	When down speed is more than the rated speed, this device will cut off the power automatically to stop the motor and car / if the car still continues at an over speed in down direction, the safety device will be activated to force the car to stop.	S	S
16	Manual Rescue Operation	MRO	when the elevator is stuck in between floors, a brake release device is provided to open the brakes and allow the car to move in a controlled manner and bring it to the nearest landing.	S	S
17	Main Floor Parking	MFP	An available car always parks on the main floor with the doors open to reduce the passenger waiting time.	S	-
18	Automatic Fan Off	AFO	If there are no calls for a specified period the car ventilation fan will automatically be turned off to conserve energy.	S	S
19	Automatic Light Off	ALO	If there are no calls for a specified period the car lighting will automatically be turned off to conserve energy.	S	S
20	Wrong call cancelling - Manual	WCC-P	If the wrong car button is pressed, it can be cancelled by quickly pressing the same button again twice.	O	O
21	Independent Service	INS	A car can be isolated from the group and then it only responds to the car calls independently.	S	-
22	Car Arrival Chime	CAC	An electronic chime installed on top / bottom of the car sound on car arrival.	O	O
23	Special Buttons	BRAILLE	Braille inscription to help visually impaired passengers.	O	O
24	Door open bell	DOB	Preset basic messages are announced to the passengers by the door open bell.	O	S
25	Voice Annouciator & Music	VAO	Preset standard messages are announced to the passengers by a voice synthesizer & playback music while travelling.	S	O

S - Standard, O - Optimal

## SOME OF OUR PROJECTS



OMANDURAR STATE GUEST HOUSE, Chennai



RELIANCE TRENDS / ALPHA LOTUS TOWER, Chennai



CRESCENT UNIVERSITY - ARCHITECTURE BLOCK, Chennai



THE RETREAT HOTEL, Mumbai



MANTRI SIGNATURE VILLA, Chennai



IBC SENATE, Bangalore



TISHMAN SPEYER, Hyderabad



MAHAJUBILEE MEMORIAL HOSPITAL, Kerala



BMW SHOWROOM, Chennai



PEEYESYEM HYUNDAI, Chennai

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