

↑ GET SMART  
↓ LIMRA



 **LIMRA**  
Elevators & Escalators

HIGH QUALITY | BEST PERFORMANCE | CUSTOMER SATISFACTION

MFG. ALL TYPES OF ELEVATORS

# LIMRA AUTOMATIC PASSENGER ELEVATORS

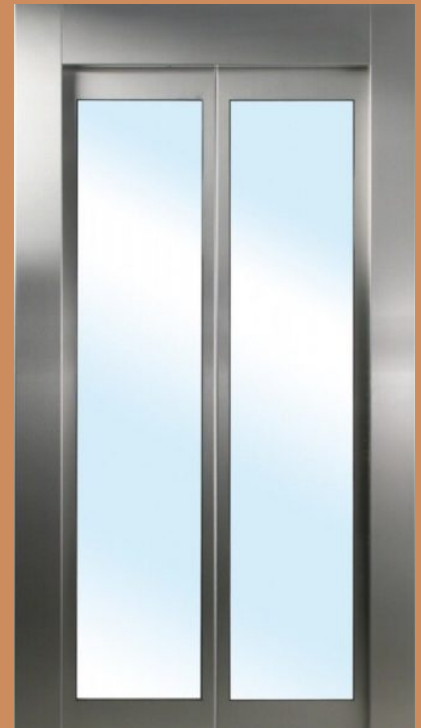


LIMRA passenger elevator has flexible and diverse car designs which can integrate with the multiple buildings.

It can especially satisfy the continuously increasing requirements from medium and high rise constructions.

It is a most ideal choice for the hotel, restaurant, office building, commercial and residential building, recreation center, shopping center etc. High quality warranty of LIMRA Elevator: An excellent elevator system brings about a vigorous construction, which makes you enjoy distinctive luxury and aristocracy here-from.

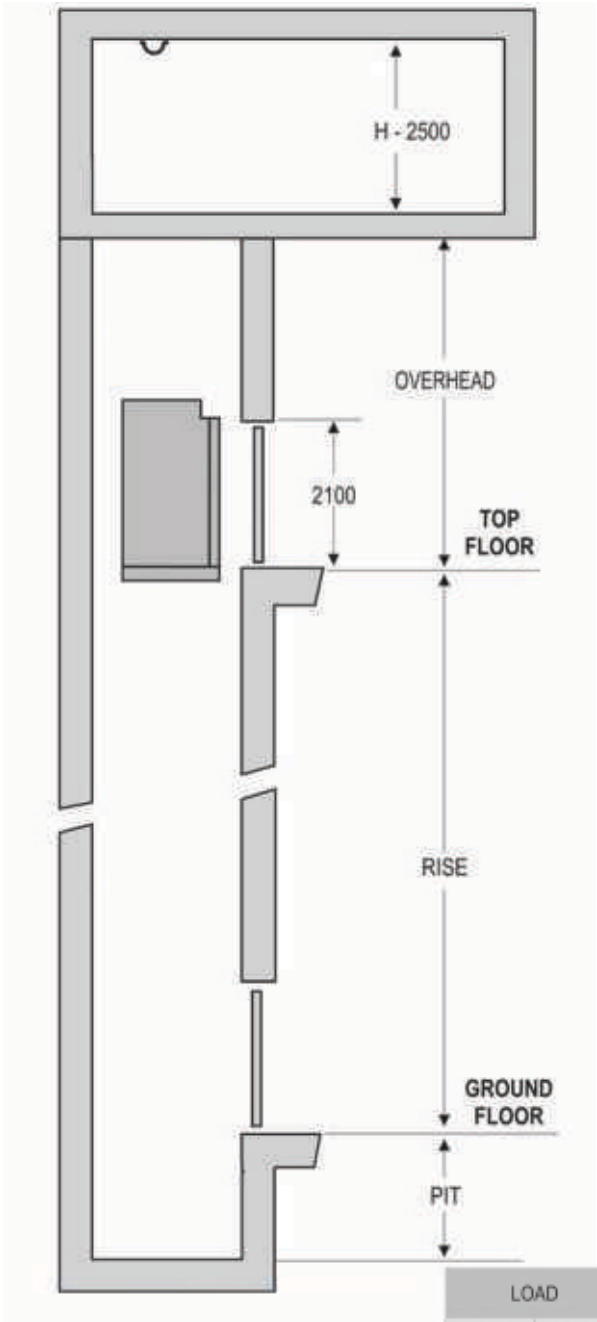
The design which brings convenience to extensive passengers; LIMRA passenger elevator adopts all the measures which aim at providing the passengers with more secured and comfortable riding.



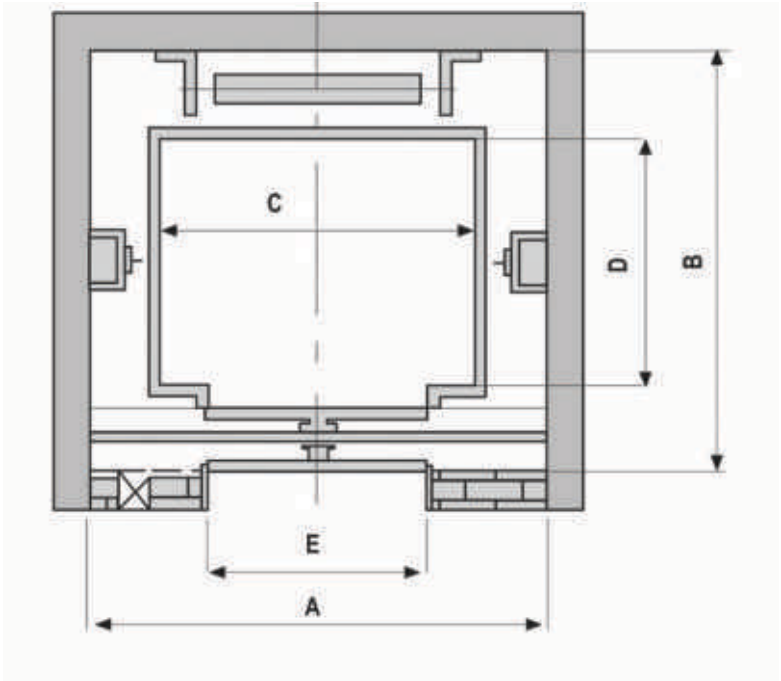


CIVIL DIMENSIONS

HOISTWAY ELEVATION DRAWING

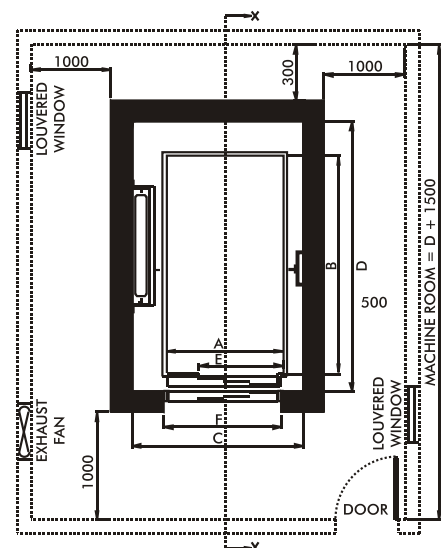


HOISTWAY MACHINE ROOM  
PLAN FOR AUTO DOOR

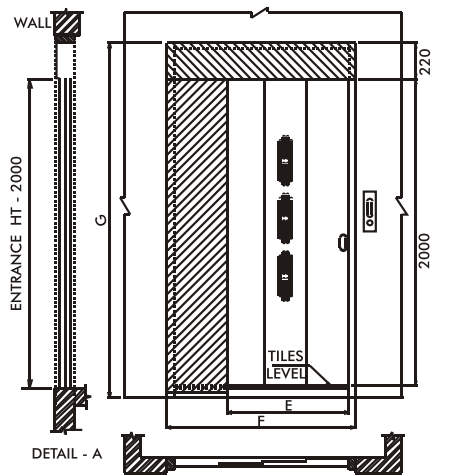


HOIST WAY MACHINE ROOM SIZE  
PASSENGER LIFT WITH AUTO DOORS

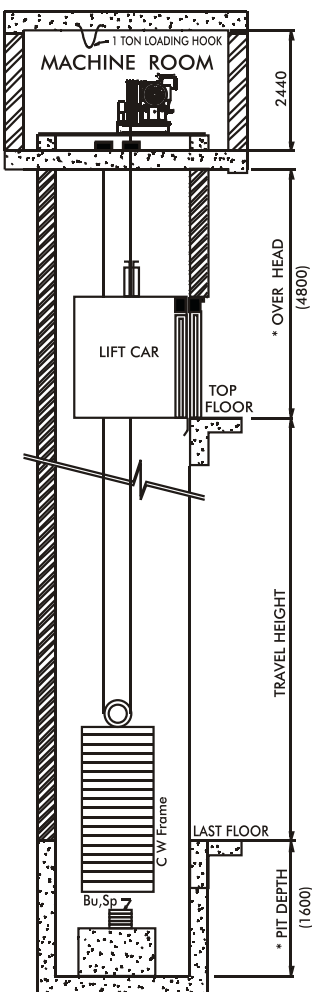
LOAD		LIFT WELL		CAR INSIDE		ENTRANCE	MACHINE ROOM			UP TO 1.5 M/Sec.		UP TO 2.5 M/Sec.	
PERSON	WEIGHT	WIDTH	DEPTH	WIDTH	DEPTH		WIDTH	DEPTH	HEIGHT	PIT	O.H.	PIT	O.H.
IN KG.		A	B	C	D	E	F	G	H	K	M	K	M
6	408	1900	1650	1100	1000	800	3000	3500	2500	1600	4800	2600	6700
8	544	1900	1900	1300	1100	800	3200	3500	2500	1600	4800	2600	6700
10	680	1900	2000	1350	1300	800	3500	4000	2500	1600	4800	2600	6700
13	884	2500	1900	2000	1100	1000	4000	4200	2500	1600	4800	2600	6700
16	1088	2500	2000	2000	1300	1000	4500	4800	2500	1600	4800	2600	6700
20	1360	2500	2300	2000	1550	1000	5000	5000	2500	1600	4800	2600	6700



LIFT SHAFT, CAR, C.W. & MACHINE ROOM PLAN



DETAILS AT DOOR OPENING



( SECTION : X-X ) LIFT WELL

Hospital Lift with Imperforated / Swing / Collapsible Manual Door							Std. Speed - 0.35 m/s	
Load		Car Inside		Lift Well		Entrance	Imperforated Door Frame	
Persons	kg	Width	Depth	Width	Depth	open	Width - F	Height - G
15	1020	1000	2400	1600	2800	800	1250	2290
20	1360	1300	2400	2200	2800	1000	1550	2290
26	1768	1600	2400	2400	2800	1200	1800	2290

Automatic Center Opening Doors Lifts						Std. Speed - 0.35 m/s	
Load		Car Inside		Lift Well		Entrance	
Persons	kg	Width	Depth	WIDTH	Depth	OPEN	
15	1020	1000	2400	1900	2800	800	
20	1360	1300	2400	2300	2800	1000	
26	1768	1600	2400	2600	2800	1200	

Automatic Telescopic Doors Lifts						Std. Speed - 0.35 m/s	
Load		Car Inside		Lift Well		Entrance	
Persons	kg	Width	Depth	Width	Depth	OPEN	
15	1020	1000	2400	1750	2800	800	
20	1360	1300	2400	2100	2800	1000	
26	1768	1600	2400	2400	2800	1200	



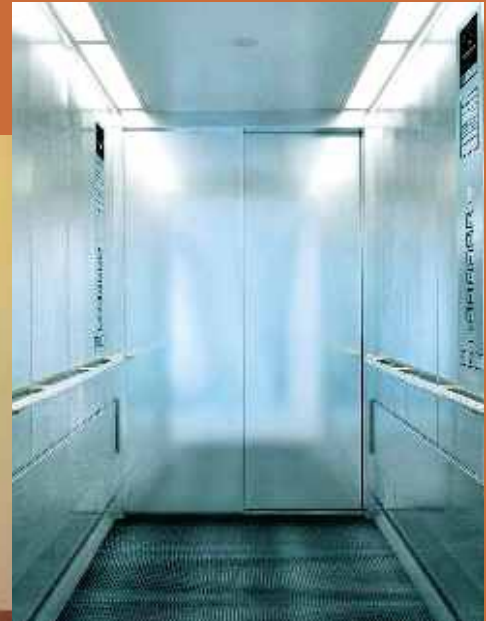
# LIMRA HOSPITAL ELEVATORS

The medical care infrastructure is increasing day by day. Hospitals are facing emergencies every now and then. Shifting of patients to operation theatres or post operative wards always demand less time for commutation.

LIMRA Vertical transportation system for hospitals have special features such as smooth and jerk less traveling, economically low power consumption, smooth and comfortable travel, accurate stoppage, emergency control features and above all, reliability with safety.

The car dimensions are as per the Indian Standard requirements for Hospital lifts. The sturdy floors and interiors ensure convenience and longevity. Additionally, large number of people can board the elevator simultaneously.

The hospital elevator is built using a robust structural steel frame, solid sheet metal side panels and metal top. Vertical side panels, full height, are fabricated from steel and are externally bolted to provide full interior surface with ideal strength and rigidity. It is provided with lighting fixtures.



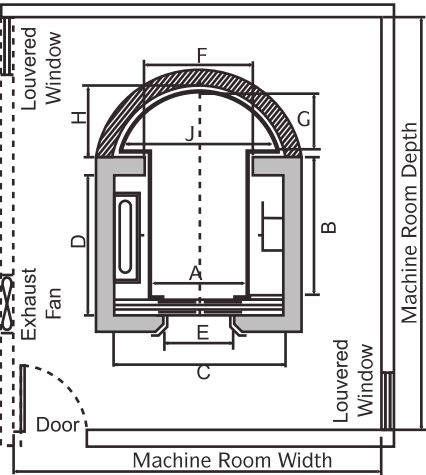
# LIMRA CAPSULE ELEVATORS



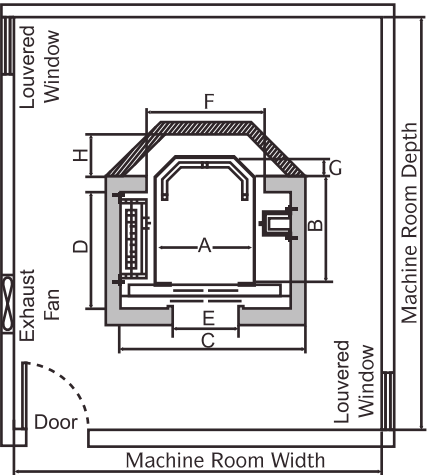
LIMRA Capsule Elevators act as Architectural highlights on prestigious buildings. They can be called the ornaments of a building as they enhance its beauty and bring life into it. Its design, features and infinite options add its optimum travel comfort. It has aesthetically attractive interiors with large glass viewing panel. Capsule lifts demand specialized knowledge and had the experience of LIMRA at its best. LIMRA capsule lifts are inspired with creative flair to suit your particular idea.



Option-A



Option-B

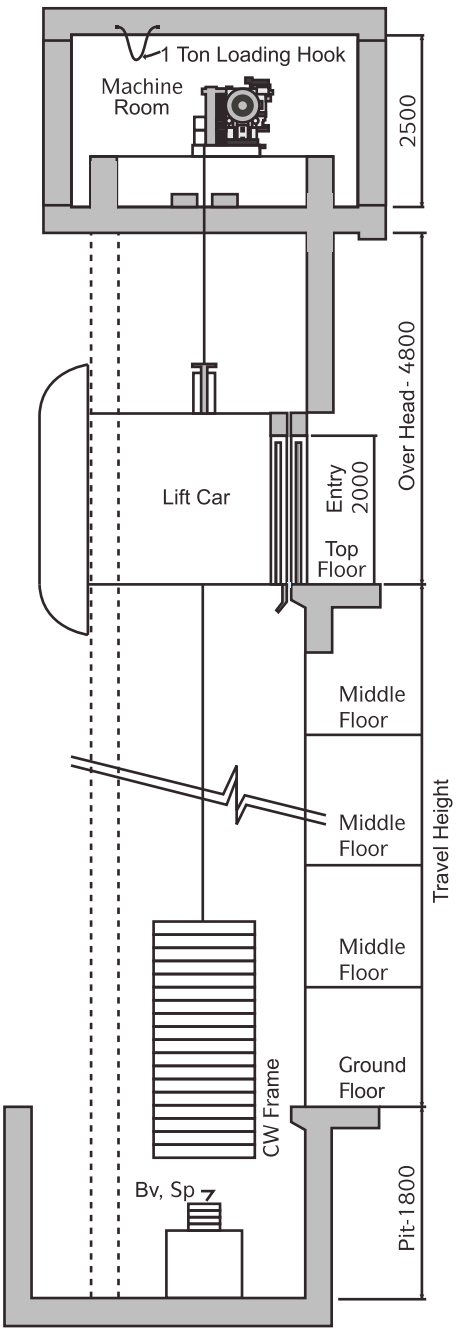


Option-A

Load		Car Inside				Lift Well				Entrance
Person	Kgs.	A	B	J	G	C	D	F	H	E
10	680	1100	1300	1400	650	2200	1325	1330	1100	800
13	884	1200	1400	1550	700	2400	1425	1430	1100	900
16	1088	1300	1500	1700	750	2800	1525	1530	1200	1000

Option-B

Load		Car Inside				Lift Well				Entrance
Person	Kgs.	A	B	G	C	D	F	H	E	
10	680	1250	1300	250	2200	1450	1480	580	800	
13	884	1400	1400	300	2400	1550	1630	650	900	
16	1088	1550	1500	350	2800	1780	1650	790	1000	





# LIMRA (MRL) MACHINE ROOM LESS ELEVATORS

LIMRA Elevators introduced this technology about a year ago and have installed it in forty locations all over Gujarat. All of them have been running successfully. The reason we suggest to change is because gearless elevators are more energy efficient.

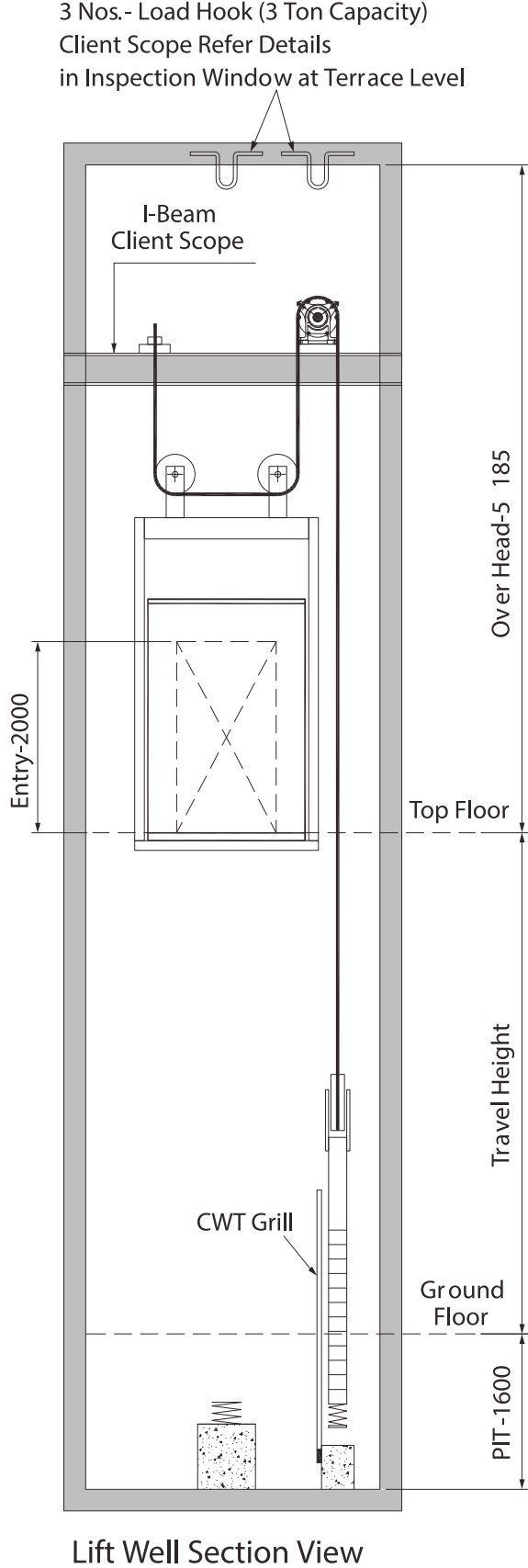
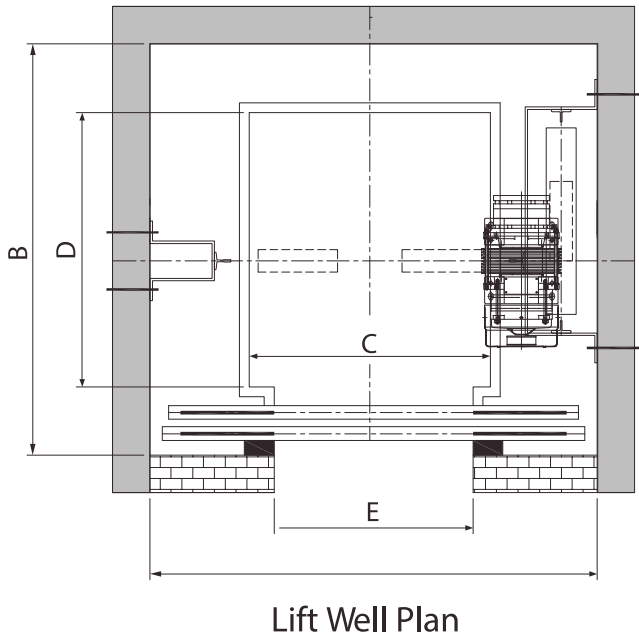
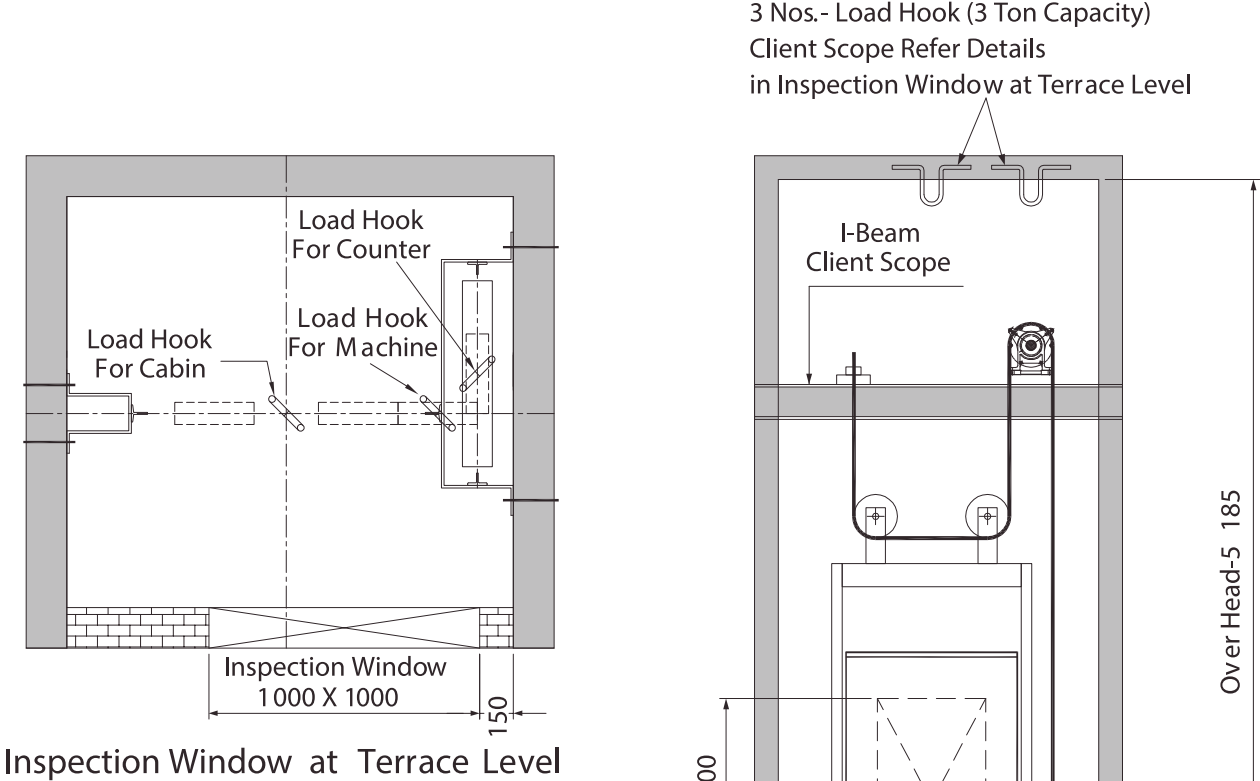
The reason behind that is geared motors consist of two main components namely, the motor and gear box. Moreover without the gearbox, no oiling and greasing is needed which translates into lower maintenance cost. Gearless motors are also known as permanent magnet synchronous motors which provide high torque with a low speed.

## ADVANTAGE

- Permanent Magnet Gearless Machine for smooth and quiet motion
- 1 m/s to 1.6m/s speed range (180 starts per hour)
- 10 to 16 passenger load range (680 - 1088kg)
- Smooth ride, due to the first-class roller shoe suspension
- Versatile landing and car door configurations
- Earthquake-friendly jiggled guiding
- Small control cabinet on the upper level
- Totally integrated system for greater reliability
- Time and money-saving benefits: long lifespan, low operating cost, easy installation and service
- Cost-efficient elevator application, No machine room



# CIVIL DIMENSIONS



# LIMRA VILLA ELEVATORS

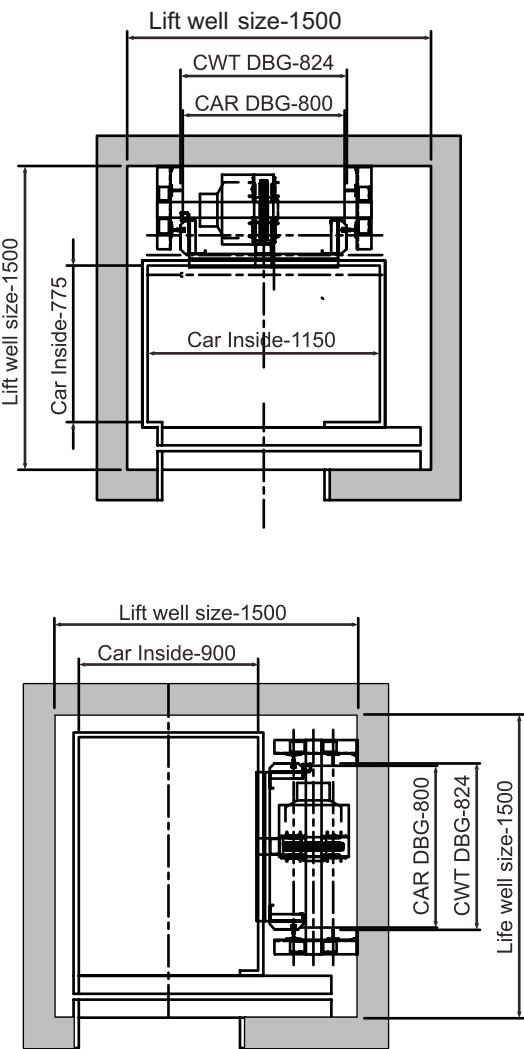
## ADVANTAGE

- Machine Roomless
- Gearless
- Total Maintenance Free
- Working on 1 HP only
- Available in "Ready to install" Format
- Absolute Freedom in Designing
- Requires Minimum floor Place





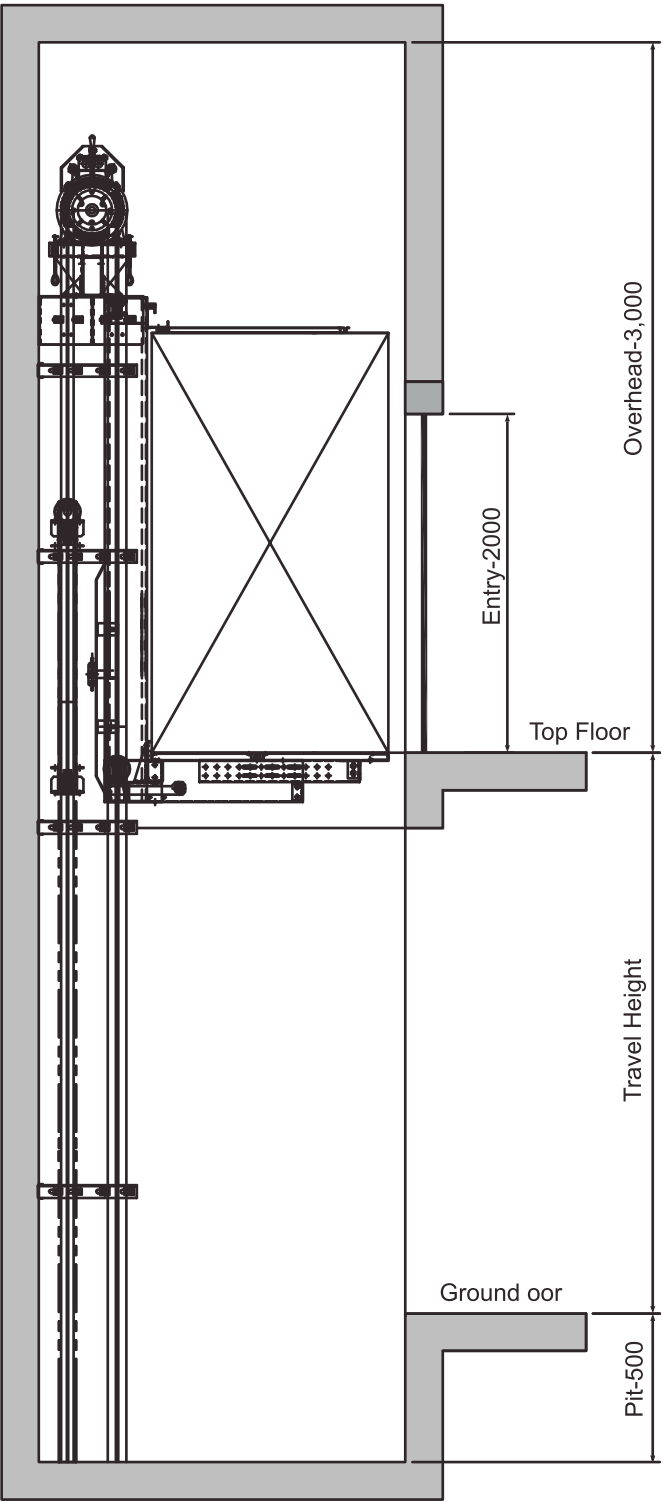
# CIVIL DIMENSIONS



## Specifications

RPM	120	Pulley Dia.	100 mm
Frequency	12 Hz.	Rope Dia.	4 mm
Voltage	230 VAC	No. of Ropes	4
kW / Hp	0.75 / 1	Lifting Capacity	300 kg
Weight	70 kg.	Lift Speed	0.32 m/s
Brake	Pick-up: 220 VDC	Max. Travel	15 Mts.
Voltage	Holding: 110 VDC	Starts / Day	100

Lift well section view



# LIMRA HYDRAULIC ELEVATORS

Looking for a low-maintenance elevator? Hydraulic lifts provide the advantages of being relatively inexpensive, safe and easy to maintain. They're very convenient and cost-effective solution for low-rise buildings with low traffic. Hydraulic elevators have been rated the safest option for home elevators. They boast superb user friendliness and easy access machine room located at the basement. Once they are put in place, hydraulic elevators provide the smoothest rides possible.

## ADVANTAGES

- Safe, Secure and Powerful Vertical Transportation Elevator Valve
- Low Installation and Maintenance Cost Compared to a Traction Lift
- A Longer Operating Lifetime
- Comfort and Low Noise
- Simple & Fast Installation
- Single-time Phase-3 Power (for Ascending) and Phase-1 (for Descending)
- Low Unit Cost, Even with Minimal Inventory



OIL PIPE



PLAN VALVE



TL JONES SENSOR



POWER BACK

MORIS POWER BACK

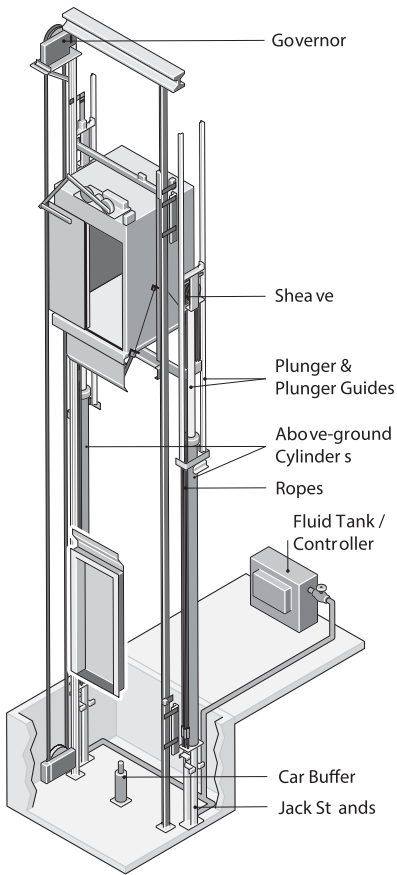
PISTON CYLINDER



# CIVIL DIMENSIONS

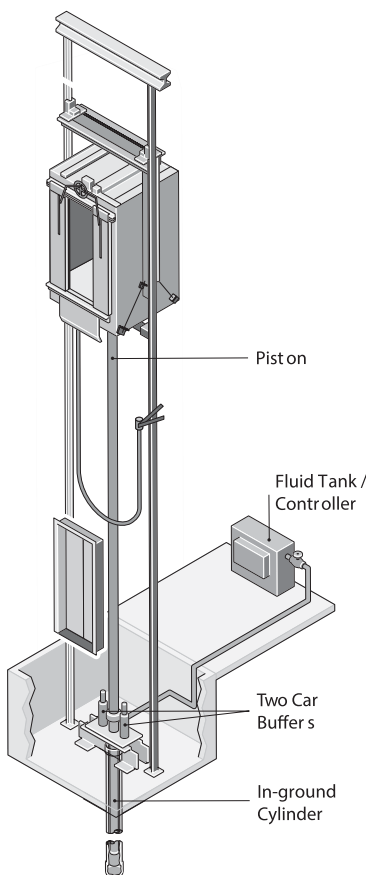
## Rope Type

Side indirect acting suspension with wire ropes with one piston for regular loads and long travels.



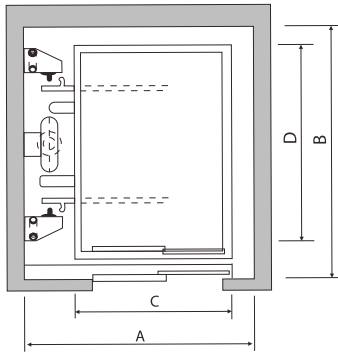
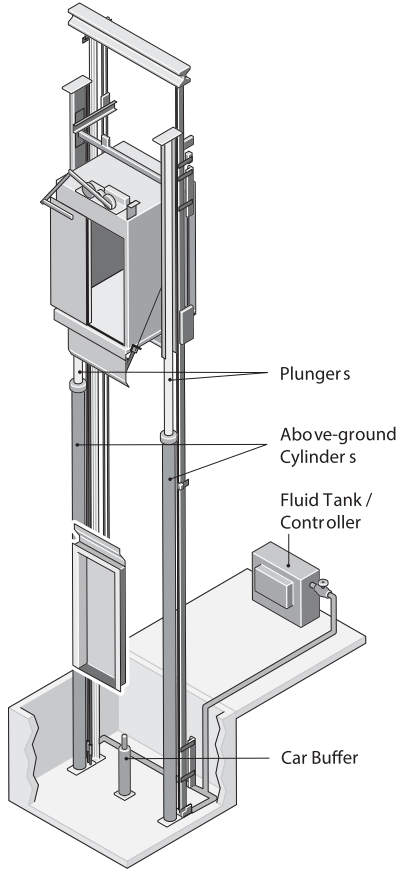
## Hole Type

Direct suspension. The simplest solution for any load with a simple or split piston



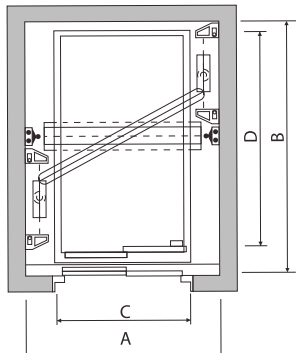
## Hole Less Type

Side direct suspension with two simple piston for large loads and short travels. (Max. Travel 4 Mt.)



Person	Capacity Kg	Shaft-W (A)	Shaft-D (B)	Car-W (C)	Car-D (D)
3	225	1300	1300	800	900
4	300	1350	1450	850	1050
5	375	1500	1500	950	1100
6	450	1600	1550	1050	1150
8	600	1600	1800	1200	1300
10	750	1700	1950	1200	1550
12	900	1800	2050	1300	1650
15	1125	1800	2400	1350	2000
20	1600	1900	2800	1500	2400

PIT : 1200 mm • O.H. : 3660 mm



Person	Capacity Kg	Shaft-W (A)	Shaft-D (B)	Car-W (C)	Car-D (D)
10	750	1900	1950	1200	1550
12	900	2000	2050	1300	1650
15	1125	2000	2400	1300	2000
18	1350	2050	2650	1350	2250
20	1500	2100	2800	1400	2400
26	2000	2300	3000	1600	2600
30	2300	2400	3100	1700	2700
33	2500	2500	3200	1700	2800

PIT : 1500 mm • O.H. : 3900 mm

## Rope Type 1

It is a single side indirectly acting suspension with wire ropes having one piston for regular loads travels of maximum 13 meters.

## Rope Type 2

It is an indirect suspension with wire ropes having dual pistons for heavy loads and long travels of maximum 12 meters.



# COP & LOP



COP-EE : A1 | LBP-EE : A3 | COP-EE : A5 | COP-EE : A6 | TOUCH COP-EE : A10 | DISPLAY-EE : A10 | TOUCH - LOP : A11

# ELEVATOR MACHINE



SINGLE PHASE GEARLESS M/C. | MRL HIGH SPEED GEARLESS M/C. | HIGH SPEED TRACTION M/C. | HIGH SPEED TRACTION M/C.

# CONTROL PANEL



AUTOMATIC RESCUE DEVICE (ARD)

VVVF, MICROPROCESSOR CONTROL PANEL

MRL INTEGRATED CONTROL PANEL

# DOOR HEADER



# HOW WE SERVE YOU

**We believe that the best way to start your search for a maintenance provider is to think about the needs of your users, equipment and building**



## **CUSTOMER CARE**

LIMRA customer care center provides you and your End users with round-the-dock support for any Equipment-related issues.

## **TAILORED MAINTENANCE PLAN**

Your tailored plan ensures that all individual Components and systems are serviced at the Right time and according to all relevant Regulations - no matter the brand



## **SKILLED TECHNICIANS**

Our service technicians are dedicated and highly trained professionals who keep your elevators, escalators, and doors working smoothly and safely equipped with global technical knowledge base.

## **EQUIPMENT CONDITION CHECK**

In order to keep your equipment safe and running smoothly, We will suggest if repair or modernization is needed Based on a condition check.



# **LIMRA**

**Elevators & Escalators**

Government License Approved Installation & Maintenance

Off: Plot No:38, Ranga Nagar 1st Street, Keelkattalai, Chennai-600 117

Fac: No:4, Maduvankarai 4th Street, Alandur, Chennai - 16

Email: [limraelevators@gmail.com](mailto:limraelevators@gmail.com) Web: [www.limraelevators.com](http://www.limraelevators.com)

Ph: 044-2247 5171