



# PASSENGER LIFTS

SINCE  
2009



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[www.reliablelifts.in](http://www.reliablelifts.in)



*"Elevating your Lifestyle"*

## Vision to Provide Safe and Smooth Vertical Travel Experience

*Reliable Lifts* elevated itself since 2009 with the vision to provide safe and smooth vertical travel experience. Our lifts are robust and with proper maintenance, built to last. Reliable Lifts is an organization that believes constant improvement is necessary to satisfy our customers, employees and stake holders. Since our inception, Reliable Lifts has been constantly updating every category of lift products and related services. *Reliable Lifts are currently moving more than 2,00,000 people safely every day under every category of our products.*

*USP* of Reliable lift is that we can execute any kind of complex requirement in any segment of Elevator.

*Both our Directors have more than 20 years of rich experience in the field of Elevators.*

We deliver on time without compromising quality and we offer 24 X 7 service backup for regular maintenance service for our products. We have dedicated team of experts in electronics and mechanical engineering. Reliable Lifts is committed to be indispensable and the matchless solution for environmental testing. We remain hyper-sensitive to the latest updates for acute projection and continuously improve our professional knowledge and skills.



### Our Vision

We aspire to be the most preferred company for all customers by the experience of our unique, creative and sustainable products and trustworthy services.

### Our Mission

The mission of the Reliable Lifts focuses on innovation, positive experiences and corporate responsibility, the sum of which, the company believes, will create **Customer Delight.**

## Passenger Lifts

**Reliable Lifts** offers all types of passenger lifts like auto door or manually operated doors with variety of aesthetic choices for interior, cabin layouts, flooring and false ceiling.

We can also provide grouping of multiple lifts to reduce the waiting time of the passengers by involving duplexing feature in highrise buildings.

Each lift is fully equipped with the latest safety devices as required as per IS 14665 rule. The door is always provided with a protective edge which will reopen the door if it meets an obstruction while closing; which is fulfilled by full length infrared sensors.



## Hospital Bed / Stretcher Lifts



Specific for usage in Hospital for movement of patients and staff. These lifts are designed to move everything efficiently and work 24X7.

These lifts are intended for the carrying of a patient on a standard extended bed together with the necessary staff and equipment.

This lift should have a rated load of 884 Kg to 2400 Kg. Our Lifts are designed to carry the complete Bed with patient smoothly without any jerks for smooth transfer.

## Dumbwaiter Lifts

Dumbwaiters carry food and utensils up and down the floors controlled by outer calls to and fro to destinations.

Dumbwaiter Lifts can carry load from 50 Kg to 250 Kg. These lifts have V3F Drive to carry the food smoothly without spilling.

Dumbwaiter Lifts are preferred in Hotel Industry and multilevel Bungalow Homes where the food is catered to large number of people.



## Latest Technology used in Passenger Lifts

### Geared Motor



- ▶ Motor Dimensions for 6 Passengers  
W - 400 mm X L - 950 mm X H - 525 mm  
(varies as per model's)
- ▶ Difficulty in maintaining minimum top clearance as per IS 14665 (Require to maintain top clearance of minimum 1100 mm and 300 mm above motor)
- ▶ Motor Weight 350 Kg
- ▶ Manual Break Releaser in motor mounted break releaser arm
- ▶ Optional Close Loop Circuit required for jerkless and noiseless operation
- ▶ Require oil in gearbox
- ▶ Roping scheme 1:1 used
- ▶ Maintenance cost seems high due to gearbox introduced

### Permanent Magnet Gearless Motor



- ▶ Motor Dimensions for 6 Passengers  
W - 486 mm X L - 344 mm X H - 357 mm  
(varies as per model's)
- ▶ Easy to maintain minimum top clearance as per IS 14665 (top clearance minimum 1100 mm & above motor 300 mm)
- ▶ Motor Weight 120 Kg
- ▶ Manual Break Releaser operated easily on extended distance via break releaser cable
- ▶ Compulsory close loop system (no jerks & feels smooth ride)
- ▶ Oil not required
- ▶ Roping Scheme 2:1 used compulsory
- ▶ Low maintenance cost



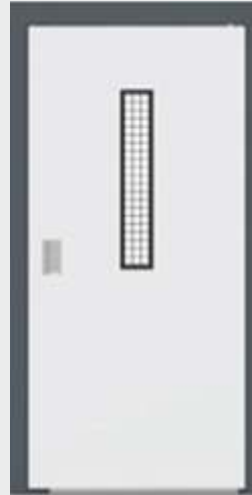
# Types of Landing Doors



Manual Collapsible Door



IFG Door



MSPC Small Vision Manual Swing Door



MSPC Small Vision Manual Telescopic Door



MSPC Auto Door - Telescopic



MSPC Auto Door - Center Opening



MSPC Small Vision CO Auto



MSPC Big Vision CO Auto



SSHL Auto Telescopic



SSHL Auto Center Opening



SSHL Auto Small Vision



SSHL Auto Big Vision

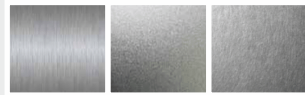
# Design Selection



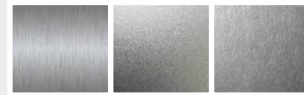
Variants



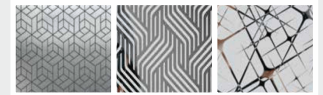
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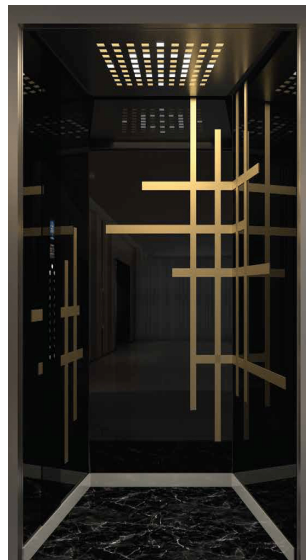
Variants



Variants



Variants



Variants



Variants



Variants



# Design Selection



Car & Hall Operating Panel

# Control System



MRL Controllers

Standard Controllers

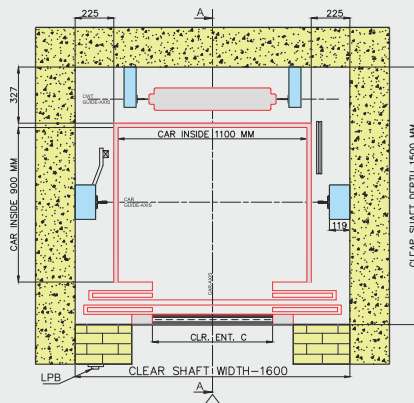
Heavy Duty Controllers

Harness Communication



# Technical Drawings

## MR PLAN

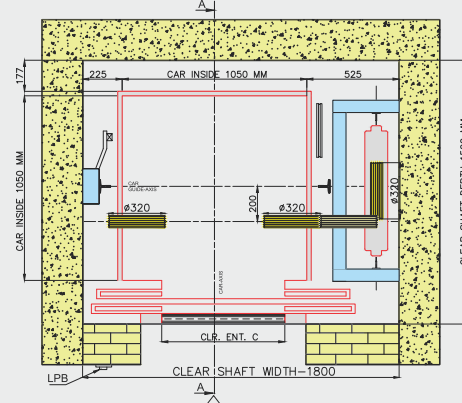


### LIFT SHAFT PLAN (MR) MACHINE ROOM



Geared Motor

## MRL PLAN

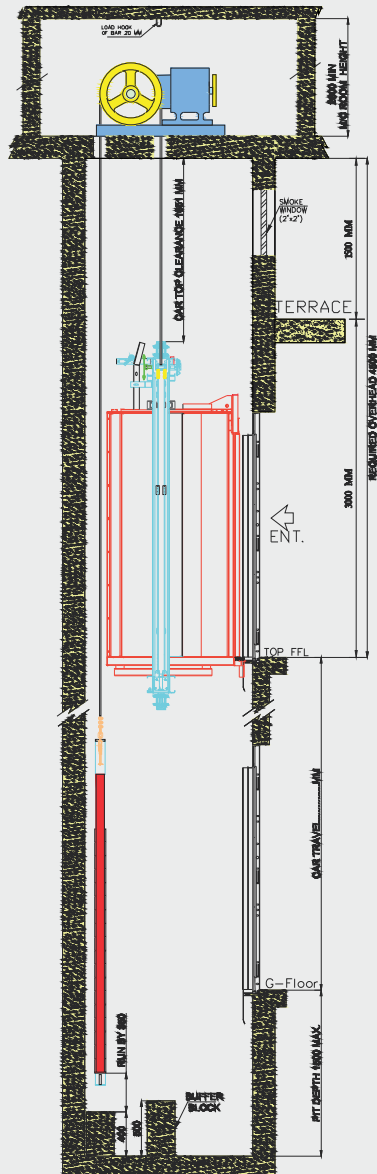


### LIFT SHAFT PLAN (MRL) MACHINE ROOM LESS - BOTTOM PULLEY



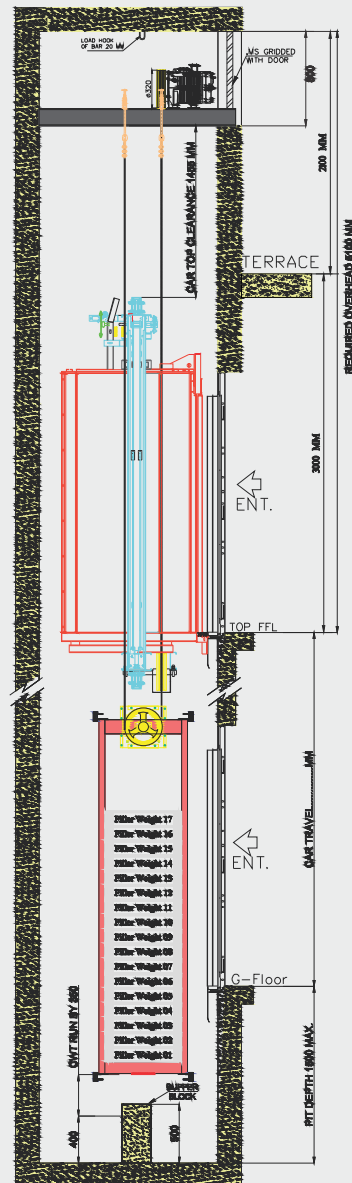
Gearless Motor

## MR SECTION



MACHINE ROOM LIFTS SECTION A-A

## MRL SECTION



MACHINE ROOMLESS LIFTS SECTION A-A



# Lift Dimensions

## A) Geared and Gearless Passenger Lifts

CAPACITY		ENTRANCE	SHAFT SIZE		CAR INSIDE		CWT SIDE	OH
Persons	Kg		Width	Depth	Width	Depth		
4	272	700	1400	1400	1000	800	BACK	5100
5	340	700*	1550	1400	1100	850		
6	408	700*	1600	1500	1200	950		
8	544	800	1800	1800	1050	1300	LH / RH	4500
10	680	900	2000	1800	1250	1350		
13	884	900	2200	1900	1450	1450		
16	1020	1000	2400	2000	1650	1550		
20	1360	1000	2400	2400	1650	1900		

## B) Hospital Stretcher Lifts

13	884	900	1800	2700	1050	2200	LH / RH	4500
15	1020	900	2000	2700	1200	2200		

## B-a) Hospital Bed Lifts

22	1496	1200	2100	3100	1300	2400	LH / RH	4500
26	1768	1200	2400	3000	1600	2400		

## C) Dumb Waiter Lifts

N/A	100	800	1200	1200	800	900	N/A	4500
N/A	200	800	1300	1300	900	1000		

\*Centre Opening Auto Door type and Others are Side Opening Auto Doors

All dimensions in mm

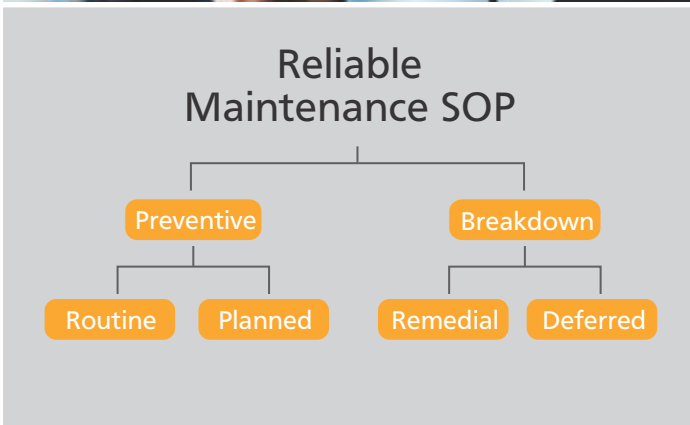
# Installation Process

- ▶ We have in-house Trained Installation Team.
- ▶ Site preparation work is done for each and every jobsite.
- ▶ Stage-wise checklist for accurate installation.
- ▶ Unique stringent process flow design so that no step is skipped or missed.
- ▶ All the processes are monitored and scrutinized from handing over of shaft to handing over of lift to the client.
- ▶ Ceremonious handing over of lift and introduction of our service team to the client.



# 24 X 7 Service Support

- ▶ We have in-house Trained Service Team setup
- ▶ 24X7 Call-center for Customer Assistance
- ▶ Professional approach and hassle-free service
- ▶ Solution oriented approach by giving Quick Customer Satisfaction



# Maintenance Process

We have all reports in place. All the Service Team Members follow strict protocol about reporting and taking customers' feedback for our own introspection and overall improvement.

Records of every jobsite are maintained in the Job File. Requirements of the clients and their feedback are well taken into consideration. Client Satisfaction is the Key Parameter.

**RELIABLE LIFTS (I) PVT.LTD**  
 Lift Servicing Report  
 Date of Servicing: 21/07/2021  
 Address: Dist. Mangaluru - Ambalgaon - Puzh  
 Client Name: Sanku - Chavara  
 Contact Number: 98463 30430  
 Servicing Report No.: 401

Sl. No.	Check Point	Remarks	Pass	Fail
1	Oil Level	Oil Level	✓	
2	Brake Pads	Brake Pads	✓	
3	Brake Shoes	Brake Shoes	✓	
4	Brake Cylinders	Brake Cylinders	✓	
5	Brake Lines	Brake Lines	✓	
6	Brake Master Cylinder	Brake Master Cylinder	✓	
7	Brake Slave Cylinder	Brake Slave Cylinder	✓	
8	Brake Pedal	Brake Pedal	✓	
9	Brake Light	Brake Light	✓	
10	Brake Relay	Brake Relay	✓	
11	Brake Switch	Brake Switch	✓	
12	Brake Cable	Brake Cable	✓	
13	Brake Drum	Brake Drum	✓	
14	Brake Wheel	Brake Wheel	✓	
15	Brake Hoses	Brake Hoses	✓	
16	Brake Bleeding	Brake Bleeding	✓	
17	Brake Air Line	Brake Air Line	✓	
18	Brake Test	Brake Test	✓	
19	Brake Repair	Brake Repair	✓	
20	Brake Replacement	Brake Replacement	✓	

Remarks: APC, 100% OK, No. of Lifts: 02, Servicing: 100%

**RELIABLE LIFTS INDIA PVT. LTD.**  
 Site Visit/Service Report  
 Date: 21/07/2021  
 Site Visit/Service Report No.: 401

Site Name: Ambalgaon Complex - Mangaluru  
 Time: 11:00 AM  
 Client Name: Mr. Sanku - Chavara  
 Call No.: 98463 30430  
 Address: Ambalgaon - Puzh  
 Problem: Carpet shower FT issue. Lift started.

Result: Probs were getting done properly. The gap between magnet & good maintained.

Pending Points: no pending point. Lift found OK.

Signature: [Signature]  
 Signature: [Signature]

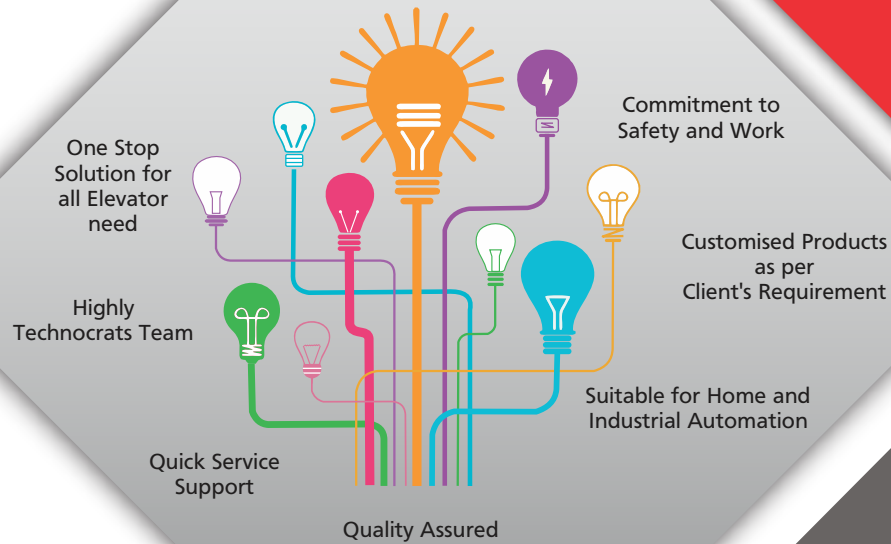
# Our Esteemed Clients





TRUSTWORTHY SERVICES

WHY US ?



Corporate Office :

**RELIABLE LIFTS INDIA PVT. LTD.**

Avdhut Complex, Office No. 201/202, 2nd Floor, Near Shree Vitthal Heritage, Ambegaon-Dattanagar Road, Ambegaon Bk, Pune 411 046 Maharashtra, India.

Our Branches : Pune | Satara | Mumbai | Kolhapur | Sambhaji Nagar  
 Sangli | Ratnagiri | Solapur | Goa | Ahmednagar

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 CIN No. : U31104PN2012PTC145281 ▲ GST No. : 27AAGCR1232A1ZZ