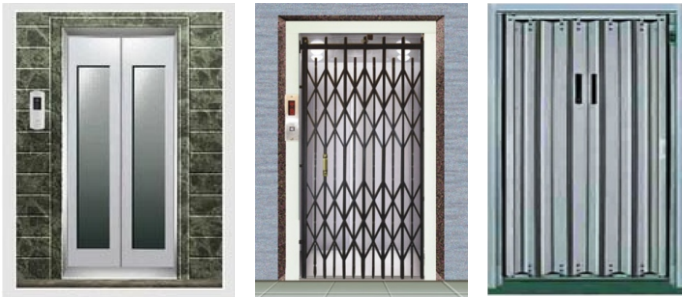


# **Dora**<sup>®</sup> **Elevator**

*Safe reliable & low maintenance*

Offering tailor made lifts for  
different requirement & style





**About us**

**Dora Elevator** has been in the elevator industry for the past several years and is currently one of the fast growing companies having in-house production facility with well equipped and state-of-the-art R&D unit. We are an ISO 9001 company led and managed by qualified and experienced personnel.

We have done extensive market studies in this line of business for over a decade and developed a deep understanding of the advancement in elevator technology as well as diverse customer needs. In a dynamic industry where technology obsolescence is incredibly fast and customer demand for constant improvement is on the rise, we step in by providing innovative solutions.

**Product Range**

*Dora Elevator believes in continuous learning, innovation, up gradation and perfection.*

Our products are enriched with deep and wide experience gained from substantial presence in the elevator industry. We have installed several elevators in both public and private sector undertakings across the country. A technically sound and strong team of Electrical, Mechanical and Electronic Engineers specialized in elevator technology provide the right impetus for **Dora Elevator** to reach the zenith of excellence and perfection in elevator production, erection and installation.

To achieve the product quality comparable to international standard, **Dora Elevator** imports 60% of it's material like door drive mechanism, guide rails, infra red sensors and push buttons from some of the International brand names like Wittur Group, Germany, Savera and many more.



**Chair Lift**

Elevator Types Traction / Hydraulic	Doors	Operations
<ul style="list-style-type: none"> <li>▪ Passenger Lift</li> <li>▪ Hospital / Stretcher</li> <li>▪ Industrial/Goods</li> <li>▪ Automobile/Car</li> <li>▪ Dumb Waiter/Service</li> <li>▪ Home lifts</li> <li>▪ Car parking System</li> </ul>	<ul style="list-style-type: none"> <li>▪ Collapsible Gate/Auto Door/Swing Door/Imperporated Door</li> <li>▪ Mild Steel Swing Door (with self-closing System)</li> <li>▪ Mild Steel Centre Opening Auto Door</li> <li>▪ Stainless Steel Centre Opening Auto Door</li> <li>▪ Telescopic Sliding Auto Door</li> <li>▪ Vertical Bi-parting Door</li> </ul>	<ul style="list-style-type: none"> <li>▪ V3F Drive</li> <li>▪ Down Collective</li> <li>▪ Simplex/Duplex</li> <li>▪ Triplex/Quadruplex</li> <li>▪ Group Operation (Suitable for group up to 8 Elevators)</li> </ul>



2V3F Control System



9SSVF Control System

### Control System

Dora Elevator traffic control system is based on advanced micro controller system incorporating field proven and field programmable sophisticated software to ensure efficient and reliable service under demanding traffic conditions. There are different control systems to meet the diverse needs of different types of requirements.

The system can be programmed for Single speed, Two speed or Variable Frequency Drive (VFD) with either manual or auto door operation available for all types of applications. Error message display in LCD / Dot matrix/ 7 segment modes included for quick fault diagnosis and easy and speedy debugging of controller.

### Geared Elevator Drive Machine

The machine will be traction type with an AC motor, electro mechanical brake, heat treated alloy steel worm shaft, centrifugally cast bronze worm gear wheel and superior grade cast iron drive sheave all compactly mounted on a single base or bed plate. Taper Roller Bearings ensure end thrust absorption and Spherical Roller Bearings ensure enough traction and minimize rope wear and tear.



Geared Elevator Drive Machine

### Control System Features :

- Floors : Max. Floors upto 40 for collective / selective system
- Speed : Speed range upto 3m/s.
- Operations : The system is designed for duplex, triplex, quadruplex and group operation of up to 8 elevators.
- Serial Communication : For easy installation, maintenance and reduced cost
- Modem Facility : Modem and Network feature facilitates periodic remote monitoring of controller condition for quicker response to impending breakdown.

### Drive: Dora Elevator V3F Drives System

Dora Elevator V3F (Variable Voltage Variable Frequency) Drive System is most ideal for elevator motion control.

#### Salient Features

- Smooth start / stop providing greater travel comfort
- Power saving up to 50% with PWM Technology
- Reduced cable size because of low current Jerk free operation. Reduced wear & tear of moving components increasing the overall life span of the equipment
- Improves overall efficiency and reliability of the system

### Gearless Elevator Drive Machine

Gearless motor, the latest innovation in elevator technology based on permanent magnet synchronous gearless machine is in great demand in the elevator industry because of the following technical advantages:

The PMSM (Permanent Magnet Synchronous Motor) uses a rare earth permanent magnet with high magnetic flux density. In this system as a permanent magnetic flux is established, there is no need to release magnetizing current which in turn results in efficient control and energy saving. This invention allows the motor to have short length with large diameter and therefore a high torque. As such it does not require gears and is compact in size and weight which allows installation in a small space. It is less noisy and provides unsurpassed smoothness and ride quality.



Gearless Elevator Drive Machine



ARD

### ESCOSAFE ARD System

Auto Rescue Device (ARD) is an advanced rescue system for rescuing passengers from an elevator in the event of a power failure. Manual rescuing is time consuming and prone to heightened anxiety among the passengers.

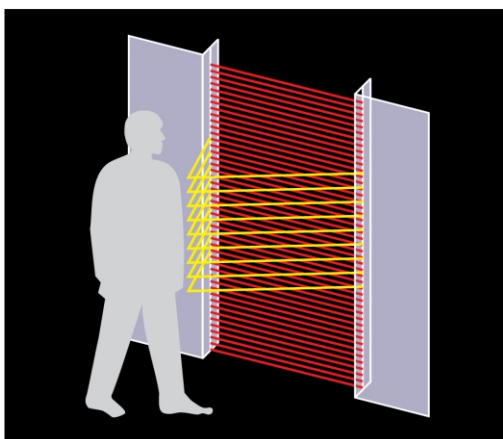
Attempt to manually rescue may also result in injuries if done by untrained persons. ARD provides required power to move the elevator car to the nearest landing and open the door automatically to rescue the passengers.

### Salient Features

- Well integrated into elevator system which ensures safety
- Unique "optimum direction selection" feature enables selection of nearest landing for a quick rescue operation
- Fully automatic with instant operation, requiring no human intervention
- Micro Controller based technology with PWM (Pulse Width Modulation) device
- Maintenance free sealed SMF batteries
- Compact with batteries inside the system
- Fault detection LEDs on board

### Safety Features

- Over Speed Governor Safety (OSG)
- Electrical Safety
- Up Final Limit & Down Final Limit Safety
- Mechanical Safety
- Door Safety
- Emergency Alarm Etc.



### Infra Red Full Length Door Detector ELITE-618

The door detector projects a curtain of 80 criss cross (zig zag) and direct beams to detect person or object in the path of the closing door, reverses the opening process on detecting obstruction, restarts closing after the pre-set time lag for open door state.

### Salient Features

- Highly reliable operation and easy to install
- Unaffected by alignment and door movement
- Insensitive to dust
- Sophisticated software control
- On-board diagnostics
- Fail safe electronics



Over Speed Governor

### Salient Features

- Low voltage operation.
- Reduces mechanical & Electrical components such as pulleys, car open and close limits.
- Noiseless operation.
- Programmable opening / closing speed.
- Power saving up to 50%
- Obstacle detection by drive technology.

### Dumb Waiters

Dumb waiters are widely used across in hotel kitchens, hospitals and departmental stores in applications where only the materials have to be shifted from one level to another

We offer various combinations of dumb waiters ranging from 100 Kgs to 250 Kgs load capacity with cabins made of either mild- or stainless-steel or doors with either vertical bi-parting or collapsible gates to suit your requirement.



### Freight Elevators

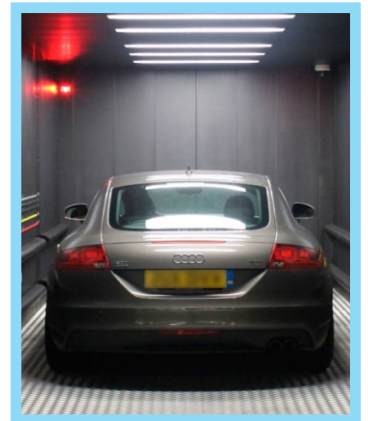
Freight elevators are commenced in industries and commercial spaces for efficiently lifting goods and moving materials within a building. We offer an exciting range of freight elevators that are capable of lifting goods over 250 Kgs at a time.

For efficiently designing your goods lift, we account for the type of material that you will be transporting, its weight/volume and frequency. The result is a meticulously designed freight elevator that offers you optimum utilization of the goods lifts specific areas.

### Car Elevators

We provide multifunctional car elevators that offer efficient utilization of limited space. Our offerings include from multi-tier car parking lifts to high-tech elevators that can ferry its owners to their high-rise apartment while providing easy movement of vehicles across the floors of buildings, malls, hotels, hospitals etc.

We offer automated automobile elevators of ample size which has a load capacity of 2.5 tones and poweroperated doors. We offer both a very compact geared and gearless drive unit along with a hydraulic system for our automobile elevators.



### Panoramic/Capsule Elevators

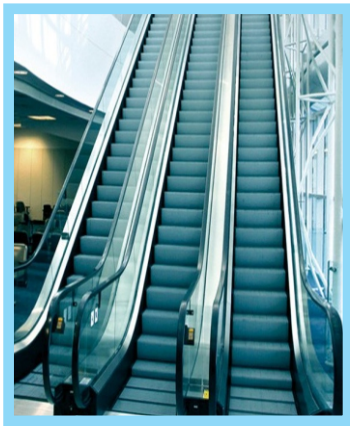
Panoramic lifts are the lifeline of hotels, busiest shopping malls and other significant buildings of a city. We offer a comprehensive range of aesthetically-designed panoramic elevators. Choose from three-sided, five-sided, square glass, round glass cabins and many other specially designed panoramic elevators from our catalogue.

All of the above models can be offered in a combination of mild steel, stainless steel and gold plated stainless steel for rich aesthetic look based on your requirement.

### Hydraulic Elevators

Hydraulic elevators are elevators which are powered by a piston that travels inside a cylinder. An electric motor pumps oil into the cylinder to move the piston. The piston smoothly lifts the elevator cab. Electrical valves control the release of the oil for a gentle descent.

Hydraulic elevators are used extensively in buildings up to five or six stories high. These elevators, operate at speeds up to 61 meters (200ft) per minute, do not use the large overhead hosting machinery the way geared and gear-less traction systems do.



### Escalator/Travelator

From bringing you the world's best slim line and commercial escalators to passenger conveyors that are being sought after in every mall today, we offer every type of escalator installation and repair services that you require.

We also offer the world's best travelators or moving walkways which are usually used across for horizontal transport or in malls over an inclined surface. Now travel effortlessly between the different floors of a building, airport, and railway station using escalators and travelators that have been designed by V9 Elevators.

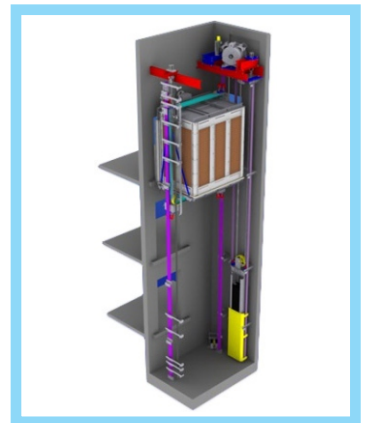
### Machine Room-Less (MRL) Elevators

Machine Room-Less elevators are beneficial for following reasons :

Compact Controller with 100% accuracy.

No separate machine room required, thereby you get the added space to increase the elevation of the building.

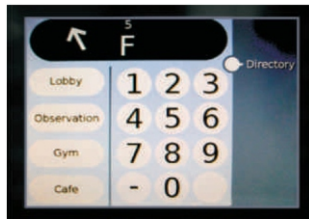
Additional floor can be built to utilize the space generating additional saleable/rental space and hence, greater financial advantage



### Passenger Elevators

Passenger elevators have varied application in places like homes, offices, commercial buildings, residential complex, hotels, hospitals etc. We offer high-quality passenger elevators including hydraulic passenger elevators and commercial passenger elevators. Contact us for passenger elevators starting from 4 persons onwards.

**Car Finishes and Designs**



**Touch Screen Panel**

Latest innovation from **Dora Elevator** is the COP with touch sensitive screen. All the functions of a normal COP with push button are available here for touch & go.



**LCD Display**

LCD Display panel is suitable for both landing and car fixtures. It indicates travel direction with running arrow, floor number and logo of **Dora Elevator** or messages of customer choice.

**Landing Display Fixtures**

Landing Fixture & Functions are same as that of car Fixture & Functions.



PA - 01



CS - 01



DCS - 01



DC - 01

Signal Devices	Face Plates	Direction & Position Indicator	Call Button
Car Operating Panel	Stainless Steel Hairline Finish	<ul style="list-style-type: none"> <li>Digital Seven Segment Display.</li> <li>Digital Dot Matrix Scrolling Display.</li> <li>LCD Display</li> </ul>	<ul style="list-style-type: none"> <li>Micro Stroke Click Button.</li> <li>Touch Button</li> </ul>

■ Variable features available

**Ceiling (optional)**



OFC - 101\*



OFC - 102\*



OFC - 103\*



OFC - 104\*

**Ceiling (standard)**



SFC - 101



SFC - 102



SFC - 103



SFC - 104



EHR - 9701



EHR - J013



EHR - J014



EHR - 9702

\*All Optional Ceilings except OFC-104 come with blowers and are subject to availability.

## Car Finishes and Designs



*Standard*



*Supreme*



*Deluxe*

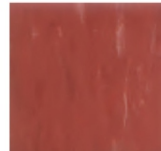
## Standard Vinyl Floorings



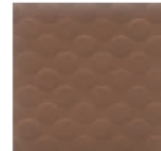
*Deep Sea - 11*



*Ebony - 12*



*Simpson Red - 13*



*Brown*

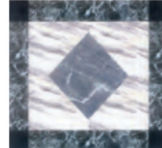


*Black*

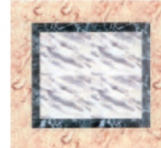
## Marble Pattern (optional)



*MF - 309*



*MF - 310*



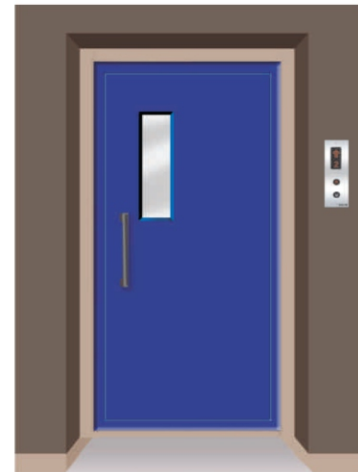
*MF - 311*



*Centre - opening auto-door*



*Telescopic auto-door*



*Semi automatic swing-door*

# DORA ELEVATOR

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