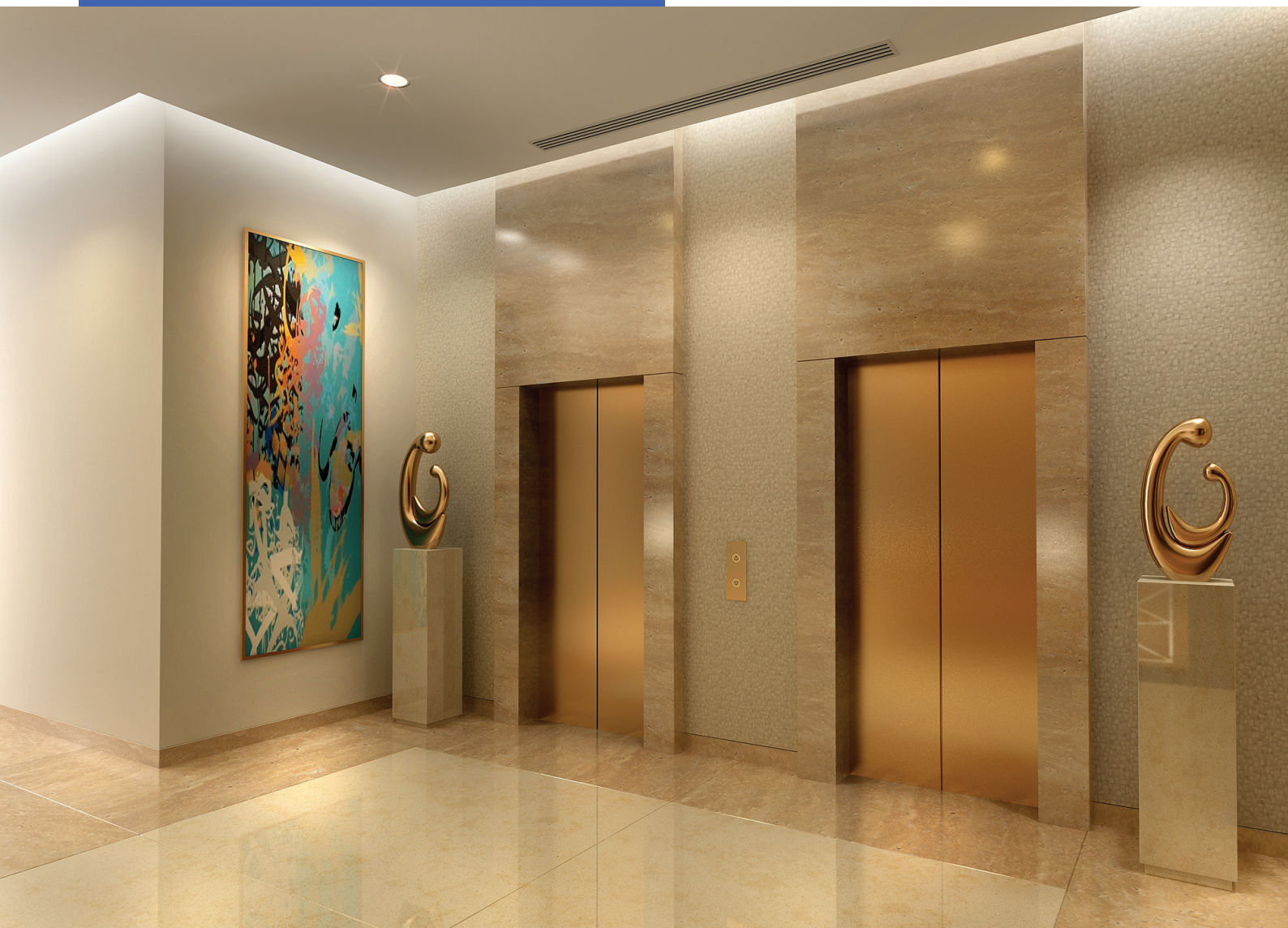


RESIDENTIAL & COMMERCIAL ELEVATORS

MONARCH
ELEVATORS



Our range of products

Home Elevators Freight Elevators Hospital Elevators Automobile Elevators Dumb Waiters

Monarch is one of the fastest growing companies in the vertical transportation industry with in house R&D and manufacturing facilities. Safety and reliability form a part of our core values.

With our elegant design and best-in-class functionality, Monarch elevators are perfect blend of our technical expertise and Indian design sensibilities. It also underscores our commitment to the 'Make in India' initiative.

We have formed a strong 'technical team' with years of experience to provide necessary inputs at design stage, sales, installations and after sales service. Our services will be the best in class to support our customer while exceeding their expectations.

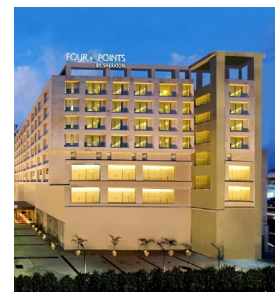
Monarch Elevator manufactures a full range of geared or gearless, machine-room or machine-roomless elevator in india. With over 33 years of experience, we've become one of india's leading elevator company with unique engineering capabilities to meet vertical traffic needs.

We cater to many sectors in real estate such as,

Residential Buildings:



Restaurants:



Shopping Centres:



Office Buildings:



Hospitals:



Factories and Warehouses:



Reasons to Choose Our Elevators



Energy Efficiency:

Gearless technology with use of Regenerative and power saving LED lighting.



Best In Comfort:

Anti vibration rubber pads with VVVF Drive gives better comfort



Lower Noise:

Very silent operation and low Running noise.



Design Innovative:

Our award winning design helps your elevator standout



Smooth Ride:

Smooth ride comfort for best passenger experience



Environmental Protection:

Lubrication free, space saving layout



Safety And Reliability:

Monarch Rescue device for power failure multibeam sensor for doors and Accurate levelling



Long Life Span:

High quality bearings, nylon guide shoes, High tension ropes increases life span in full load conditions



Monarch (GMP) Series

Gearless Mini Machine Room Passenger Elevator

These elevators are efficient and reliable, designed to fulfil the needs of various segments of customers. It offers safer, smoother and more comfortable ride for users.

Advantages:

- **Ease of maintenance:**

During service call, time required to control the elevator and do necessary service is drastically reduced.

- **Design flexibility:**

Elevator cabin can be designed to look wider inside and create additional space.

- **Simple and robust design:**

Mechanical components are designed for higher safety and reliability.

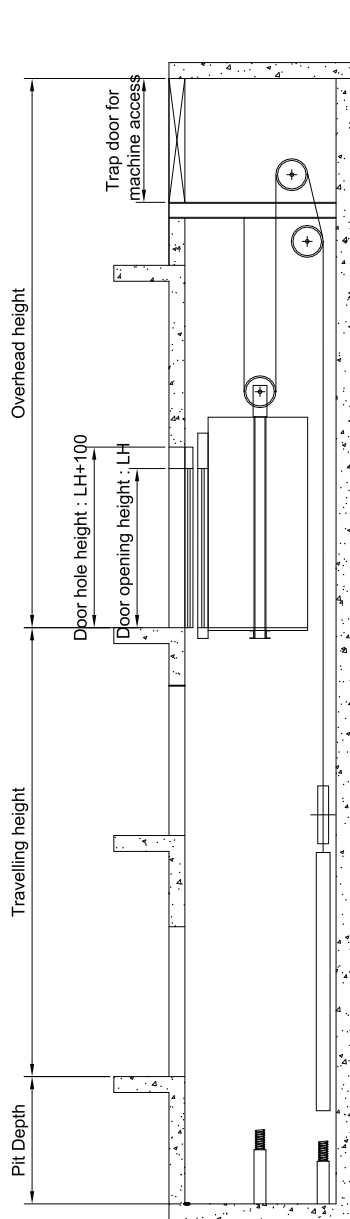
- **Smooth ride and superior door operation:**

Better acceleration and deceleration of car gives comfortable and smooth ride to the passengers. Opening and closing of the door is noiseless and gives enough time for entry and exit of passengers.

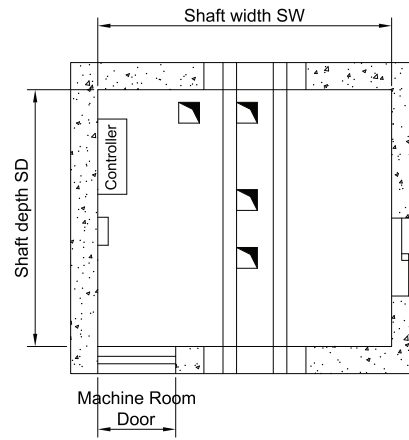


Construction Parameters

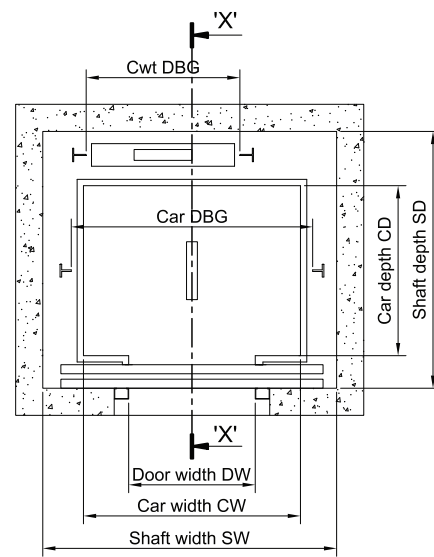
Gearless Mini Machine Room Passenger Elevators-GMP series



Shaft Vertical Section-'X-X'



Headroom Plan



Shaft Plan

Standard Dimensions

| No. of Passengers | Load (kg) | Speed (m/s) | Car Width (CW) | Car Depth (CD) | Shaft Width (SW) | Shaft Depth (SD) | Door Opening (DW) | Pit depth | Min.Headroom height |
|-------------------|-----------|-------------|----------------|----------------|------------------|------------------|-------------------|-----------|---------------------|
| 4 | 272 | 1.0 / 1.5 | 1100 | 700 | 1900 | 1300 | 700 | 1600 | 4200 / 4800 |
| 6 | 408 | 1.0 / 1.5 | 1100 | 1000 | 1900 | 1700 | 700 | 1600 | 4200 / 4800 |
| 8 | 544 | 1.0 / 1.5 | 1300 | 1100 | 1900 | 1900 | 800 | 1600 | 4200 / 4800 |
| 10 | 680 | 1.0 / 1.5 | 1300 | 1350 | 1900 | 2100 | 800 | 1600 | 4200 / 4800 |
| 13 | 884 | 1.0 / 1.5 | 2000 | 1100 | 2500 | 1900 | 900 | 1600 | 4200 / 4800 |
| 16 | 1088 | 1.0 / 1.5 | 2000 | 1300 | 2500 | 2100 | 1000 | 1600 | 4200 / 4800 |

Monarch (GLP) Series

Gearless Machine Roomless Passenger Elevator

Monarch MRL elevators quality provides a world class ride, better technology and exceptional safety and reliability. It is one of the most advanced product in the market.

Advantages:

- **Energy savings:**

MRL elevators use small size PM machine with high quality and precise control system. It gives better performance than conventional machines. It consumes less power as compared to geared machines.

- **Saves construction cost and space:**

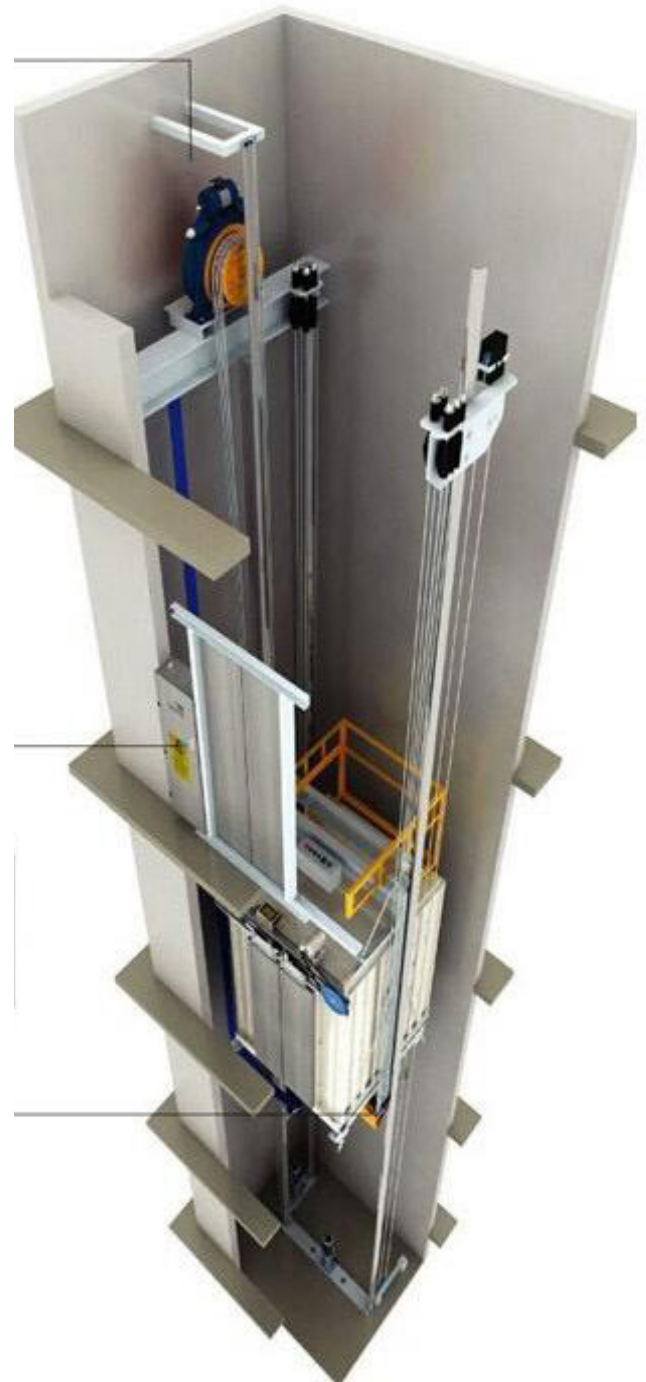
These elevators does not require a machine room at the top; There by saving the construction cost. It gives a freedom to the architect to utilize the space for other commercial purposes. It is highly used in the buildings near the airports due to height restrictions.

- **Compact design:**

Machine design is compact enough to be fixed in a small overhead space on the last floor. Control panel is sleek designed to fit and match with the architects lobby interiors.

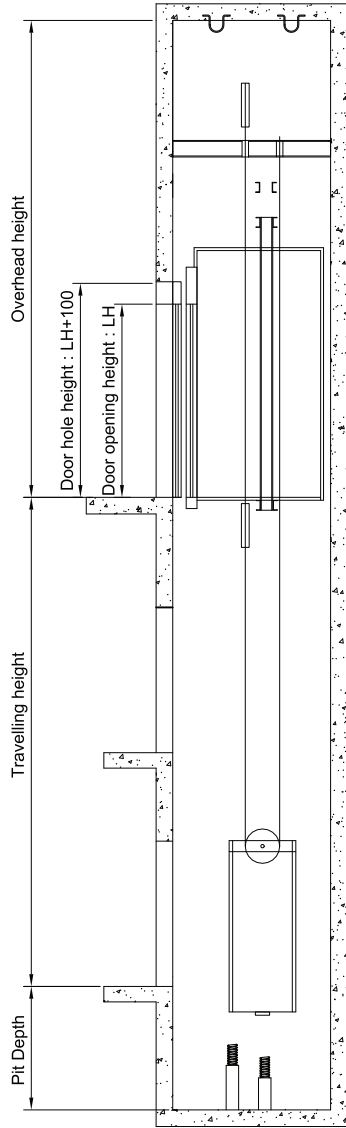
- **Higher speed**

Higher speed as compared to Hydraulic elevators.

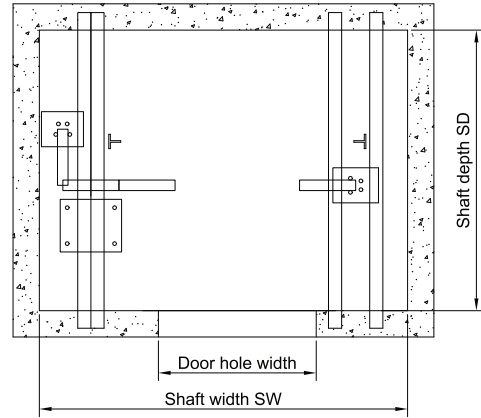


Construction Parameters

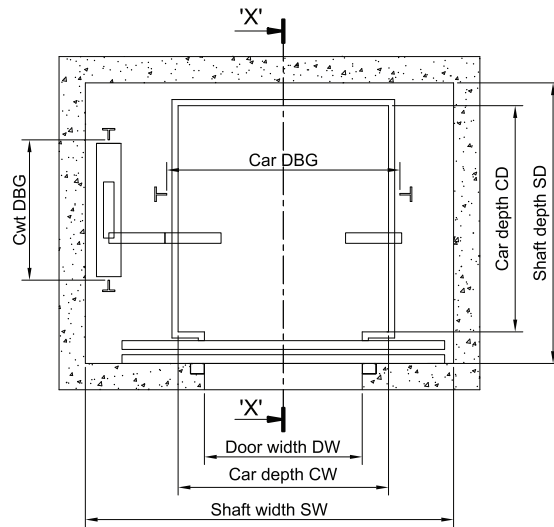
Gearless Machine Roomless Passenger Elevators-GLP series



Shaft Vertical Section-'X-X'



Headroom Plan



Shaft Plan

Standard Dimensions

| No. of Passengers | Load (kg) | Speed (m/s) | Car Width (CW) | Car Depth (CD) | Shaft Width (SW) | Shaft Depth (SD) | Door Opening (DW) | Pit depth | Min.Headroom height |
|-------------------|-----------|-------------|----------------|----------------|------------------|------------------|-------------------|-----------|---------------------|
| 4 | 272 | 1.0 / 1.5 | 1000 | 800 | 1900 | 1300 | 700 | 1600 | 5000 |
| 6 | 408 | 1.0 / 1.5 | 1100 | 1000 | 1900 | 1700 | 700 | 1600 | 5000 |
| 8 | 544 | 1.0 / 1.5 | 1300 | 1100 | 1900 | 1900 | 800 | 1600 | 5000 |
| 10 | 680 | 1.0 / 1.5 | 1300 | 1350 | 1900 | 2100 | 800 | 1600 | 5000 |
| 13 | 884 | 1.0 / 1.5 | 1500 | 1500 | 2200 | 1900 | 900 | 1600 | 5000 |
| 16 | 1088 | 1.0 / 1.5 | 1600 | 1500 | 2300 | 1900 | 1000 | 1600 | 5000 |

Cabin Options



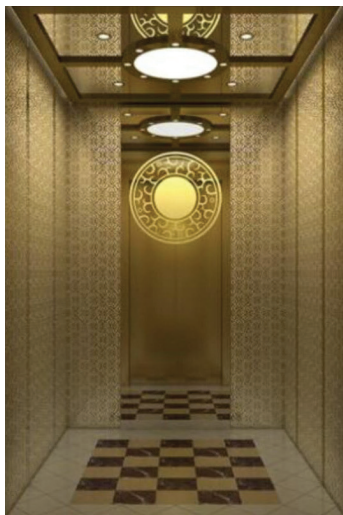
Classic Powder Coated Finish



Modern Stainless Steel



Exquisite Mirror Finish



Luxury Golden Mirror Etched



Ultra Luxury Rose Gold Finish



Black Mirror Finish

Cabin Options



Designer Stainless Steel



Mild Steel Powder Coated Finish



Stainless Steel Finish



Wooden Finish



Designer Wooden Finish



Golden Mirror Finish

Door Options



Stainless Steel
Centre Opening



Stainless Steel
Telescopic



Stainless Steel
Small Vision Door



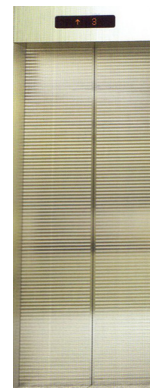
Stainless Steel Big
Vision Glass Door



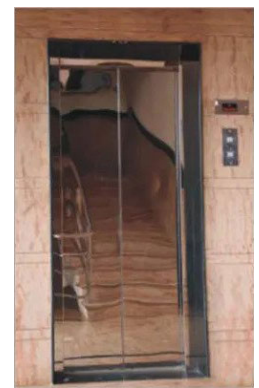
Ms Powder Coated
Centre Opening



Ms Powder
Telescopic Door



Stainless Steel
Etched Finish



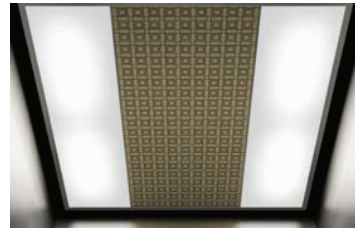
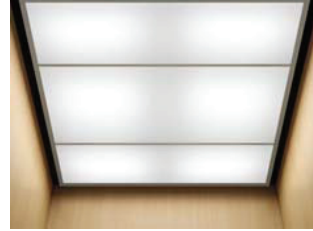
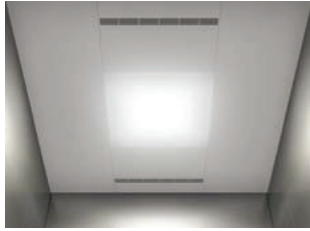
Stainless Steel
Mirror Finish Door

Have you ever noticed how people waiting for an elevator tend to stand and look straight ahead? With that much attention, your elevator entrances better look good.

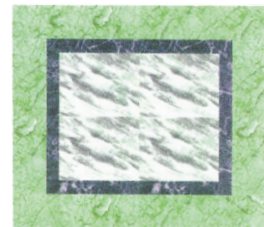
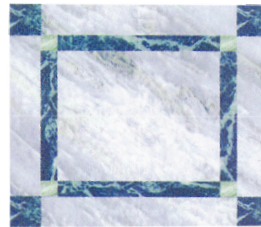
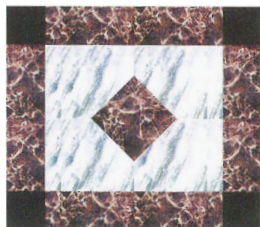
Monarch offers a variety of entrances to meet your needs for aesthetics and functionality. Centre-opening and side-slide openings are available in several stainless steel and painted finishes to add to the visual appeal of your lobby & hallways.

With Monarch you can choose from a wide variety of colours and finishes to complement your architectural style. In fact you can create a custom look by mixing and matching the choices that are available to you.

Car Ceilings :



Designer Floorings :



Handrails:



Car And Landing Operating Panels



LCD And TFT Display



Elevator Functions

● : Standard, ○ : Option

| No. | Name | Description | |
|--------------------------------|--|---|---|
| Operating systems | | | |
| 1 | Simplex collective control | This is a fully automatic operation used for a single elevator system. Hall calls in the direction in which the elevator is travelling are responded to sequentially and when all calls in that direction are cleared, calls in the opposite direction are responded to. When there are no more calls, the elevator will stop at the last floor served. | ● |
| 2 | Duplex collective control | This is a fully automatic operation used for a two-elevator system. Hall calls are responded to by whichever elevator that can serve the hall call faster. When there are no more calls, one of the elevators will stand by at the stand by floor while the other elevator will stay at the last floor served. | ○ |
| Service functions | | | |
| 1 | Attendant operation | For this system the stop floor is manually set by an attendant such as in a department store. | ○ |
| 2 | Independent operation | This operation system is used when there is a need to serve special passengers. Under this operation, all hall calls are disabled for the elevator and it is reserved for exclusive use of the special passengers. | ○ |
| 3 | Separated simplex operation | When duplex collective control or group control is used, a selector switch on the control panel is used to switch between parallel operation and independent operation. | ○ |
| 4 | Interphone system | An interphone system is provided for emergency communication between the elevator and the master unit on the ground floor. | ● |
| 5 | Floor lock-out operation | Specific service floors can be locked-out by activating a switch. | ○ |
| 6 | Temporary call registration of certain restricted floor | By inputting a pre-programmed code using the car operating board floor buttons, passengers can gain access to certain restricted floors. | ○ |
| Safety functions | | | |
| 1 | Abnormal speed protection function | In the event that the elevator is moving downwards at an abnormally high speed, the brakes will be automatically engaged and the elevator will cease operation. | ● |
| 2 | Out of door-open zone alarm | In the event that the elevator stops out of the door-open zone of a selected floor, doors will not open, and an alarm will be sound in the elevator. | ● |
| 3 | Rescue operation | When the elevator stops out of the door-open zone, it will move to the nearest floor at slow speed to release passengers. | ● |
| 4 | Micro-leveling | Automatic correction of elevator landing level when there is a level difference between car and floor. | ● |
| 5 | Car emergency lighting | In the event of a power failure, an emergency light inside the elevator will be automatically activated. | ● |
| 6 | Emergency battery | In the event of a power failure, this emergency supply allows the operation of a light, fan and alarm bell. | ○ |
| 7 | Multi-beam door sensor | In the event that the beam paths are obstructed, this sensor, installed at the edge of the doors, will keep the doors open. | ● |
| Information functions | | | |
| 1 | IC auto announcement (English) | Preset standard messages are announced to the passengers. | ○ |
| 2 | Arrival audio signal | An electrical chime (located at the top and bottom of the elevator) will sound just before the arrival of the elevator. | ○ |
| Energy-saving functions | | | |
| 1 | Regenerative system | When traveling downwards with a heavy car load or upwards with a light car load, the traction machine acts as a power generator to transmit power back to the electrical network in the building. | ○ |
| 2 | Automatic turn-off of elevator light and fan | In the event that the elevator is not in use, the light and ventilation fan in the elevator are automatically turned off to conserve energy. | ○ |



MONARCH
ELEVATORS



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