Adding Drama and Fun to the Elevator Ride

Observation elevators make traveling between floors within a building a dramatic and exciting experience. Mitsubishi Electric's latest line-up of observation elevators builds on its most popular designs, and expands the view by adding even more window space. In addition, customers can mix and match components to create the ideal elevator for a particular building or purpose, whether it is hotel, mall or office, indoor or outdoor. A range of popular standard elevator types are also available, offering cost performance and proven quality. Any of the new models, component-type or standard, will add an exciting new dimension to elevator travel, with light, space and visible motion.

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A Futuristic Capsule

KY01A Round

Car section

Exterior (car design example)
- Windows: Transparent curved glass
- Upper and lower shells: Fiber-reinforced plastic with painted finish (Y051)
- Mullions: Painted steel sheet (Y051)
- Decorative lighting: Globular, milky-white acrylic plate illuminated from inside, at shell top and bottom

Interior (car design example)
- Ceiling: Painted steel sheet (Y033)
- Lighting: Fluorescent lighting through circular, milky-white acrylic plate, and downlights
- Wall and doors: Stainless-steel, hairline-finish
- Handrail: Single line of hairline-finished stainless-steel pipe
- Mullions: Stainless-steel, hairline-finish

* For Enclosed Type, it’s needed to provide the carry-in entrance for outer panel of the shell wall of observation side because it’s unable to carry in the outer panel from half size.

A Bold Spaceship

KY02A Round

Car section

Exterior (car design example)
- Windows: Transparent curved glass
- Upper and lower shells: Fiber-reinforced plastic with painted finish (Y002)
- Mullions: Painted steel sheet (Y002)
- Decorative lighting: Three rings of milky-white acrylic plate illuminated from inside around upper and lower shells
- Shell top and bottom lighting: Circular, milky-white acrylic plate illuminated from inside

Interior (car design example)
- Ceiling: Painted steel sheet (Y033)
- Lighting: Fluorescent lighting through circular, milky-white acrylic plate, and downlights
- Wall and doors: Stainless-steel, hairline-finish
- Handrail: Single line of hairline-finished stainless-steel pipe
- Mullions: Stainless-steel, hairline-finish

* For Enclosed Type, it’s needed to provide the carry-in entrance for outer panel of the shell wall of observation side because it’s unable to carry in the outer panel from half size.
An Airy Glass Cabin

**INTEGRITY type**

**KY03A** Octagonal

**EXTERIOR** (car design example)
- Windows: Transparent flat glass
- Upper and lower shells: Painted steel sheet (Y004)
- Mullions: Painted steel sheet (Y004)
- Decorative lighting: Downlights at shell bottom

**INTERIOR** (car design example)
- Ceiling: Painted steel sheet (Y003)
- Lighting: Downlights
- Wall and doors: Stainless-steel, hairline-finish
- Handrail: Single line of hairline-finished stainless-steel pipe
- Mullions: Stainless-steel, hairline-finish

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**CY04A** Clipped Corner

**EXTERIOR** (car design example)
- Windows: Transparent flat glass
- Upper and lower shells: Painted steel sheet (Y004)
- Mullions: Painted steel sheet (Y004)
- Decorative lighting: Downlights

**INTERIOR** (car design example)
- Ceiling: Painted steel sheet (Y003)
- Lighting: Downlights
- Wall: Stainless-steel, hairline-finish
- Handrail: Single line of hairline-finished stainless-steel pipe
- Mullions: Stainless-steel, hairline-finish

Car outline shows cage and window only. Other features have been omitted for clarity.
A Cylindrical Pod

**HY05A Horseshoe**

**EXTERIOR** (Car design example)
- Windows: Transparent curved glass (option: lightly tinted glass)
- Upper and lower shells: Painted steel sheet (Y116)
- Mullions: Painted steel sheet (Y116)
- Decorative lighting: Downlights

**INTERIOR** (Car design example)
- Ceiling: Painted steel sheet (Y033)
- Lighting: Fluorescent lighting through circular, milky-white acrylic plate, and downlights.
- Wall and doors: Stainless-steel, hairline-finish
- Handrail: Single line of hairline-finished stainless-steel pipe
- Mullions: Stainless-steel, hairline-finish

Car outline shows cage and window only. Other features have been omitted for clarity.

A Stark Square Box

**SY06 Square**

**EXTERIOR** (Car design example)
- Windows: Transparent flat glass (option: lightly tinted glass)
- Lower shell: Painted steel sheet (Y071)
- Mullions: None
- Decorative lighting: None

**INTERIOR** (Car design example)
- Ceiling: Painted steel sheet (Y033) and glass
- Lighting: Downlights
- Wall: Stainless-steel, hairline-finish
- Handrail: Single line of hairline-finished stainless-steel pipe
- Mullions: None

Car outline shows cage and window only. Other features have been omitted for clarity.
**Component Type**

**A Bright, Airy Box**

**Exterior** (Car design example)
- Windows: Transparent flat glass (option: lightly tinted glass)
- Upper and lower shells: Painted steel sheet (Y014)
- Mullions: None
- Decorative lighting: Downlights

**Interior** (Car design example)
- Ceiling: Painted steel sheet (Y033)
- Lighting: Downlights
- Wall and doors: Stainless-steel, hairline-finish
- Handrail: Single line of hairline-finished stainless-steel pipe
- Mullions: Stainless-steel, hairline-finish

Car outlines shows cage and window only. Other features have been omitted for clarity.

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**Component Type**

**A Sleek, Narrow Window Design**

**Exterior** (Car design example)
- Windows: 500mm width transparent flat glass (option: lightly tinted glass)
- Upper and lower shells: None
- Window frames: Anodized aluminum finish
- Decorative lighting: None

**Interior** (Car design example)
- Ceiling: Painted steel sheet (Y033)
- Lighting: Fluorescent lighting through milky-white acrylic cover (basic design)
- Wall: Pattern-printed steel sheet (CP023)
- Handrail: Single line of hairline-finished stainless-steel pipe
- Kick-plate: Stainless-steel, hairline-finish
- Flooring: Vinyl tiles (PR0805)

Car outlines shows cage and window only. Other features have been omitted for clarity.
**A Simple, No-Frills Design**

**NY20B Square**

**Exterior** (Car design example)
- Windows: Transparent flat glass (option: lightly tinted glass)
- Upper and lower shells: Painted steel sheet (Y033)
- Window frames: Anodized aluminum finish
- Decorative lighting: None (available as an option)

**Interior** (Car design example)
- Ceiling: Painted steel sheet (Y033)
- Lighting: Fluorescent lighting through milky-white acrylic cover (basic design)
- Front wall: Pattern-printed steel sheet (CP23)
- Handrails: Single line of hairline-finished stainless-steel pipe

**NY21B Square**

**Exterior** (Car design example)
- Windows: Transparent flat glass (option: lightly tinted glass)
- Upper and lower shells: Painted steel sheet (Y033)
- Mullions: Painted steel sheet (Y006)
- Decorative lighting: None (available as an option)

**Interior** (Car design example)
- Ceiling: Painted steel sheet
- Lighting: Fluorescent lighting through milky-white acrylic cover (basic design)
- Front wall and doors: Pattern-printed steel sheet (CP23)
- Handrails: Single line of hairline-finished stainless-steel pipe
- Mullions: Stainless-steel, hairline-finish
Actual Installation Examples

Abu Dhabi, UAE | Emirates Palace Hotel

Dubai, UAE | Emirates Tower

Doha, Qatar | City Centre

Riyadh, Saudi Arabia | Al Faisaliah Center
Actual Installation Examples

**London, UK | 100VE**

**Bangkok, Thailand | Siam Paragon**

**Buenos Aires, Argentina | Hilton Buenos Aires**

**Kuala Lumpur, Malaysia | Berjaya Times Square**
Actual Installation Examples

**Beijing, China | CYTS Plaza**

**Taiwan | Core Pacific City**

**Shanghai, China | Jin Jiang Tower**

**Taiwan | Ambassador Hotel Hsinchu**
Actual Installation Examples

**Hong Kong** | Hong Kong International Airport

**Osaka, Japan** | Osaka Maritime Museum

**Tokyo, Japan** | Sumida Riverside Hall

**Aichi, Japan** | Midland Square

Observation double-deck elevators
### Installation List

#### Overseas

<table>
<thead>
<tr>
<th>CUSTOMER</th>
<th>CAR SPEED (m/min)</th>
<th>CAPACITY (kg)</th>
<th>NBR. OF CARS</th>
<th>COUNTRY/AREA</th>
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#### Japan

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<th>CAPACITY (kg)</th>
<th>NBR. OF CARS</th>
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### Points to Consider when Planning Installation

1. Prices and delivery schedules vary greatly depending on such factors as design, materials, finish, car shape and installation conditions.
2. Adequate space should be allowed for the elevator hoistway (inner dimensions, pit depth, overhead, etc.) so that no restrictions are placed on car shape or exterior trim design.
3. If air conditioning equipment is installed on the car, it is requested that drainage facilities be placed in the pit.
4. It is requested that outdoor enclosed model sufficient ventilation and air conditioning be provided so that the machinery installed in the elevator hoistway and machine room is not exposed to high temperatures as a result of direct sunlight. In addition, please consider the use of thermal insulation glass on the building side as required. (Customer is responsible for construction in each case.)
5. In cold regions, measures should be taken to protect machinery against low temperatures and condensation. Measures include the use of thermal insulation glass on the building side and warm-air blowers for the elevator hoistway. (Customer is responsible for construction.)

* It is requested that Mitsubishi Electric specialists, through its affiliated companies, be consulted during the early stages of planning in regard to the aforementioned items and any other matters considered necessary.
Specifications are subject to change without notice.