PASSENGER ELEVATORS  
(HIGH-SPEED STANDARD-TYPE)

Mitsubishi Electric elevators and escalators are currently operating in approximately 90 countries around the globe. Built placing priority on safety, our elevators, escalators and building system products are renowned for their excellent efficiency, energy savings and comfort.

The technologies and skills cultivated at the Inazawa Works in Japan and 12 global manufacturing factories are utilized in a worldwide network that provides sales, installation and maintenance in support of maintaining and improving product quality.

As a means of contributing to the realization of a sustainable society, we consciously consider the environment in business operations, proactively work to realize a low-carbon, recycling-based society, and promote the preservation of biodiversity.

www.MitsubishiElectric.com/elevator
Based on our policy, “Quality in Motion”, we provide elevators and escalators that will satisfy our customers with high levels of comfort, efficiency, ecology and safety.

**Principle**

Mitsubishi Electric elevators, escalators and building management systems are always evolving, helping achieve our goal of being the No. 1 brand in space.

To satisfy customers in all aspects of comfort, efficiency and safety while realizing a sustainable society, quality must be at the highest level in all products and business activities, with priority given on consideration for the environment.

As the times change, Mitsubishi Electric continues to utilize the collective strength of its advanced and environmental techniques to offer customers safe and reliable products while contributing to society.

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**NexWay-S**

**Package R**

**At higher speed**

**For higher buildings**

**With ideal space design**

**Contents**

- Efficiency / Ecology / Safety 3–4
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**Smaller machine room**

Minimizing increase in machine room size from the conventional NexWay-S—requiring less machine room space than the custom-type high-speed elevator NexWay.

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High-rise residential buildings are increasing rapidly in emerging nations where high speed elevators are expected. Swiftly responding to the trend of the times, Mitsubishi Electric has concentrated its technologies to develop a new elevator using the most compact devices possible while drawing on the capabilities of the conventional NexWay-S! This includes keeping the footprint of the machine room housing these devices to a bare minimum!
Group Control Systems: ΣAI-22 and ΣAI-2200C

ΣAI-22 and ΣAI-2200C control multiple elevators optimally according to the building size.

Cooperative Optimization Assignment (ΣAI-2200C)

Forecasts a near-future hall call to reduce long waits
When a hall call is registered, the algorithm predicts near-future calls that could require long waits. Through evaluation of the registered hall call and the forecasted call, the best car is assigned. All cars work cooperatively for optimum operation.

Destination Oriented Allocation System: DOAS (Optional for ΣAI-2200C)

Allocates passengers to cars depending on destination floors
When a passenger enters a destination floor at a hall, the hall operating panel immediately indicates which car will serve the floor. Because the destination floor is already registered, the passenger does not need to press a button in the car. Furthermore, dispersing passengers by destination prevents congestion in cars and minimizes their waiting and traveling time.

Standard arrangement of hall fixtures (No hall lantern* is provided.)
Can receive destination information from all floors to provide the best service for more complex traffic conditions throughout the day.

Notes:
* Hall lanterns are available in optional.

Performance

<table>
<thead>
<tr>
<th></th>
<th>AI-2100N</th>
<th>ΣAI-2200C (latest)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average waiting time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long-wait rate (60 seconds or longer)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Improved: Max. 40%  
Improved: Max. 80%

Using Energy Wisely

Our long-term commitment to developing energy-efficient elevators has created systems and functions that make intelligent use of power.

Milestones of Energy-saving Technologies in Elevator Development

<table>
<thead>
<tr>
<th>Year</th>
<th>Technology</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1970</td>
<td>Induction Motor</td>
<td>Worm geared</td>
</tr>
<tr>
<td>1980</td>
<td>AC2 control</td>
<td>ACVF* control</td>
</tr>
<tr>
<td>1990</td>
<td>Power circuit</td>
<td>Relay</td>
</tr>
</tbody>
</table>

Notes:
*1: Alternative current, variable voltage  
*2: Variable voltage, variable frequency  
*3: CO2 emissions in this table are from elevator operation and do not include emissions from manufacturing, transportation and other processes.

Devices that Use Less Energy

LED Lighting (Optional)

Used for ceiling lights and hall lanterns, LEDs boost the overall energy performance of the building. Furthermore, a long service life eliminates the need for frequent lamp replacement.

Advantages of LEDs

- Approximately 12.5 times longer
- Approximately 75% reduction

Safety

Emergency Situations

Emergency Operations
Enhance safety by adding emergency operation features which quickly respond to a power failure, fire or earthquake. (Please refer to page 15 for details.)

Power failure
Mitsubishi Emergency Landing Device: MELD (Optional)  
Upon power failure, the car automatically moves to the nearest floor using a rechargeable battery to facilitate the safe evacuation of passengers.

Operation by Emergency Power Source — Automatic/Manual: DEPS (Optional)  
Upon power failure, predetermined cars use the building’s emergency power supply to move to a specified floor and open the doors for passengers to evacuate. After all cars have arrived, the predetermined cars will resume normal operation.

Fire
Fire Emergency Return: FER (Optional)  
When the fire operation switch is activated, all cars immediately return to a specified floor and open the doors to facilitate the safe evacuation of passengers.

Firefighters’ Emergency Operation: FE (Optional)  
When the fire operation switch is activated, the car immediately returns to a predetermined floor. The car then responds to only car calls, which facilitates firefighting and rescue operations.

Earthquake
Earthquake Emergency Return: EER-P/EER-S (Optional)  
When a primary and/or secondary-wave seismic sensor is activated, all cars stop at the nearest floor and park there with the doors open to facilitate the safe evacuation of passengers.
Car Design

### Ceiling

<table>
<thead>
<tr>
<th>S00 Series</th>
<th>L210 Series</th>
<th>L400 Series</th>
<th>N300 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>L210S: Hairline stainless-steel</td>
<td></td>
<td></td>
<td>N300S: Hairline stainless-steel</td>
</tr>
</tbody>
</table>

### Walls, transom panel and doors

<table>
<thead>
<tr>
<th>Materials and finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Painted steel sheet</td>
</tr>
<tr>
<td>Y003 White</td>
</tr>
<tr>
<td>Y004 Light beige</td>
</tr>
<tr>
<td>Y005 Dark gray</td>
</tr>
<tr>
<td>Stainless-steel</td>
</tr>
<tr>
<td>Hairline</td>
</tr>
</tbody>
</table>

### Application

<table>
<thead>
<tr>
<th>Materials and finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Durable vinyl tiles</td>
</tr>
<tr>
<td>P8811 Gray</td>
</tr>
<tr>
<td>P8812 Dark-gray</td>
</tr>
<tr>
<td>P8813 Cream-beige</td>
</tr>
<tr>
<td>P8810 Other</td>
</tr>
</tbody>
</table>
For front return panel

- Short panel (without service cabinet)
- Long panel (with service cabinet)
- Swing panel

For side wall

- Full-height panel
- Full-height panel EN81-70 comply

Button line-up

Notes:
1. Some letters of the alphabet are not available. Please consult our local agents for details.
2. The symbol ■ is replaced with a number representing the button type and illumination color (e.g. CBV1, CBV2, CBV3). Please refer to the button line-up on this page.

Car Operating Panels

Please refer to the Design Guide for details.
### Mirrors

- **YZ-51A**
  - Half height

- **YZ-53A**
  - 2-mirror set

- **YZ-55SN**
  - Full height

### Handrails

- **YH-59S**
  - (Hairline stainless steel)

- **YH-59M**
  - (Mirror stainless steel)

- **YH-59G**
  - (Mirror stainless steel)

- **YH-57S**
  - (Hairline stainless steel)

### Doors, transom panel and jamb

#### Jamb types

- **E-102**
  - Narrow jamb

- **E-202**
  - Square jamb

- **E-302**
  - Splayed jamb

- **E-212**
  - Square jamb with transom panel

- **E-312**
  - Splayed jamb with transom panel

### Materials and finishes

#### Stainless-steel

- Hairline
- Mirror
- Shiny vibration
- Hairline with etched pattern

#### Painted steel sheet

- Neutral Colors
- Cool Colors
- Warm Colors

- Neutrals: Lime green, Light grayish blue, Dark gray, Neutral beige, Dark brown, Beige, Light brown, Light greyish blue, White, Red-violet, Orange, Brown, Red, Dark red, Beige

- Actual colors may differ slightly from those shown.

**Note:** Please refer to the Design Guide for details.

*Please consult our local agents for the production terms, etc.*

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**Application**

<table>
<thead>
<tr>
<th>Materials and finishes</th>
<th>Jamb</th>
<th>Transom panel</th>
<th>Doors</th>
<th>SF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hairline stainless steel</td>
<td>Standard</td>
<td>Optional</td>
<td>Standard</td>
<td></td>
</tr>
<tr>
<td>Painted steel sheet</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td></td>
</tr>
<tr>
<td>Mirror stainless steel</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td></td>
</tr>
<tr>
<td>Shiny vibration stainless steel</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td></td>
</tr>
<tr>
<td>Hairline with etched stainless steel</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td></td>
</tr>
<tr>
<td>Hairline etched stainless steel</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td></td>
</tr>
<tr>
<td>Door (through doors)</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td></td>
</tr>
<tr>
<td>Extruded hard aluminum</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Please refer to the Design Guide for details.
Boxless Cross-section of boxless fixtures

These hall signal fixtures can be easily mounted on the wall surface without having to cut into the wall to embed the back box.

**Hall position indicators and buttons**

- **PIV**
  - **C766N**
  - **C767N**
  - **C770N**
  - **C740N**

- **PIV**
  - **C720N**

- **HLV-E71**
- **HLH-A31S**

**LED hall position indicators**

- **PIV-C710N**

**Cross-section of boxless fixtures**

**Wiring hole**

**PIV-D415**
- **Segment LED indicator**

**Notes:**
1. Some letters of the alphabet are not available. Please consult our local agents for details.
2. Dot LED indicators are available (optional). Please consult our local agents for details.
3. The symbol [ ] is replaced with a number representing illumination color (e.g., PIV1, PIV3, etc.). Please refer to Button line-up on this page for illumination colors.
4. Mirror stainless-steel faceplates are also available (optional). Please consult our local agents for details.
5. These types are applicable to EN81-70 compliant elevators only in 1C-2BC where one car is controlled independently.
6. These types are not applicable to elevators complying with EN81-30.
7. Only elevator status messages are available.

**Hall lanterns**

- **HLV-A21S**
- **HLV-A31S**
- **HLV-E65**
- **HLV-A16S**
- **HLH-A16S**

**LED hall position indicators**

- **PIV-D417**
  - (Segment LED indicator)

- **PIV-D417**
  - (Built into transom panel)

**Hall position indicator with lantern**

- **PIE-B47**

**LCD information displays at hall**

- **PIV-C216**
  - (10.4-inch)

**Notes:**
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6. These types are not applicable to elevators complying with EN81-30.
7. Only elevator status messages are available.

**Cross-section of boxless fixtures**

These hall signal fixtures can be easily mounted on the wall surface without having to cut into the wall to embed the back box.

**Wiring hole**

**PIV-D415**
- **Segment LED indicator**

**Notes:**
1. Some letters of the alphabet are not available. Please consult our local agents for details.
2. Dot LED indicators are available (optional). Please consult our local agents for details.
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6. These types are not applicable to elevators complying with EN81-30.
7. Only elevator status messages are available.
Basic Specifications

Horizontal Dimensions

1-Door 1-Gate

<table>
<thead>
<tr>
<th>Code number</th>
<th>Number of persons</th>
<th>Rated capacity (kg)</th>
<th>Door type</th>
<th>Counter-weight position</th>
<th>Car internal dimensions (mm) / AAB</th>
<th>Entrance width (mm) J</th>
<th>Minimum hoistway dimensions (mm) AHxBH</th>
<th>Minimum Machine room dimensions (mm) AMxBM</th>
</tr>
</thead>
<tbody>
<tr>
<td>P13</td>
<td>13</td>
<td>1000</td>
<td>CO</td>
<td>Rear</td>
<td>1600x1400</td>
<td>900</td>
<td>2100x2160</td>
<td>2130x3490</td>
</tr>
<tr>
<td>P14</td>
<td>14</td>
<td>1050</td>
<td>CO</td>
<td>Rear</td>
<td>1800x1500</td>
<td>900</td>
<td>2100x2260</td>
<td>2130x3490</td>
</tr>
<tr>
<td>P16</td>
<td>16</td>
<td>1200</td>
<td>CO</td>
<td>Rear</td>
<td>1800x1500</td>
<td>1000</td>
<td>2300x2360</td>
<td>2330x3490</td>
</tr>
<tr>
<td>P17</td>
<td>17</td>
<td>1275</td>
<td>CO</td>
<td>Side</td>
<td>1100x2100</td>
<td>1100</td>
<td>2500x2110</td>
<td>2530x3490</td>
</tr>
<tr>
<td>P18</td>
<td>18</td>
<td>1350</td>
<td>CO</td>
<td>Rear</td>
<td>2000x1500</td>
<td>1100</td>
<td>2500x2260</td>
<td>2530x3490</td>
</tr>
</tbody>
</table>

1-Door 2-Gate

<table>
<thead>
<tr>
<th>Code number</th>
<th>Number of persons</th>
<th>Rated capacity (kg)</th>
<th>Door type</th>
<th>Counter-weight position</th>
<th>Car internal dimensions (mm) / AAB</th>
<th>Entrance width (mm) J</th>
<th>Minimum hoistway dimensions (mm) AHxBH</th>
<th>Minimum Machine room dimensions (mm) AMxBM</th>
</tr>
</thead>
<tbody>
<tr>
<td>P14</td>
<td>14</td>
<td>1050</td>
<td>CO</td>
<td>Side</td>
<td>1100x2100</td>
<td>1100</td>
<td>2060x2170</td>
<td>2090x2970</td>
</tr>
<tr>
<td>P17</td>
<td>17</td>
<td>1275</td>
<td>CO</td>
<td>Side</td>
<td>1200x2300</td>
<td>1100</td>
<td>2060x2710</td>
<td>2070x2970</td>
</tr>
</tbody>
</table>

Terms of the tables:

- These tables show standard specifications without the waterproofing of the pit and do not include plumb tolerance.
- CO: 2-panel center opening doors, 2S: 2-panel side sliding doors.
- Minimum hoistway dimensions (AH and BH) shown in the table are after waterproofing of the pit and do not include plumb tolerance.

Notes:

*1: Some specifications require more than 2500mm as a minimum floor height. Please consult our local agents if the floor height is less than entrance height HH + 700mm.
*2: The space in the machine room may need to be increased depending on the layout of the equipment.

Vertical Dimensions

1-Door 1-Gate & 1-Door 2-Gate

<table>
<thead>
<tr>
<th>Code number</th>
<th>Maximum travel (m)</th>
<th>Maximum number of stops</th>
<th>Rated speed (m/sec)</th>
<th>Minimum overhead (mm) G</th>
<th>Minimum pit depth (mm) PD</th>
<th>Minimum machine room clear height (mm) H</th>
<th>Minimum machine room floor to floor height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P13</td>
<td>180</td>
<td>64</td>
<td>3.5</td>
<td>5630</td>
<td>1270</td>
<td>2500†</td>
<td>2600‡</td>
</tr>
<tr>
<td>P14</td>
<td></td>
<td></td>
<td>4.0</td>
<td>6020</td>
<td>3540</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P16</td>
<td></td>
<td></td>
<td>3.5</td>
<td>5630</td>
<td>1270</td>
<td>2500†</td>
<td>2600‡</td>
</tr>
<tr>
<td>P17</td>
<td></td>
<td></td>
<td>4.0</td>
<td>6020</td>
<td>3540</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Terms of the table)

- This table shows standard specifications without counterweight safety. Please consult our local agents for other specifications.

Notes:

*1: Some specifications require more than 2500mm (2700mm for P14 with car internal dimensions of 1600x1500 and P13) as a minimum machine room height. Please consult our local agents for the appropriate machine room height.
*2: Some specifications require more than 2600mm as a minimum floor height. Please consult our local agents if the floor height is less than entrance height HH + 700mm, and the elevator is 1-door 2-gate.

Dimensional Information shown here conforms to EN81-20/50 2014.
Features (1/2)

EMERGENCY OPERATIONS AND FEATURES

- **Emergency Operation System-GateWay**
  - BMS-GW: Elevator control and communication system for monitoring and controlling buildings.
- **Earthquake Emergency Return**
  - EER-P: Emergency return system for high-risk buildings.
- **Emergency Car Lighting**
  - ECL: Emergency lighting for buildings with power failures.
- **Fire Emergency Return**
  - FER: System for evacuating passengers during fires.
- **Firefighting Emergency Return**
  - FE: Automatic fire fighting system using smoke detection sensors.
- **Safeguard Door Edge**
  - ED: Opening doors to allow exit in case of fire emergencies.
- **Reopen with Hall Button**
  - RHB: Feature allowing doors to open with hall calls or preprogrammed signals.
- **Door Sensor**
  - DS: Sensor system for detecting door positions.
- **Door Load Detector**
  - DLD: System to detect door loads.
- **Door Nudging Feature**
  - DN: Feature to ensure smooth door opening and closing.
- **Door Sensor**
  - DDSA: Sensor system for detecting door positions.
- **Emergency Call Button**
  - EAB: Feature for emergency calls during fires.
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DOOR OPERATION FEATURES

- **Automatic Door Speed Control**
  - ADSC: System to control door speeds.
- **Door Open Time**
  - DOT: Feature to control door open times.
- **Door Sensor**
  - DDS: Sensor system for detecting door positions.
- **Multi-beam Door Sensor**
  - MBDS: Sensor system for detecting door positions.
- **Key Switch**
- **Emergency Call Button**
  - EAB: Feature for emergency calls during fires.
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OPERATIONAL AND SERVICE FEATURES

- **Passenger Information System**
  - PIS: System to inform passengers about services.
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GROUP CONTROL FEATURES

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  - DOOR: Feature for operating doors.
- **Emergency Operation System-GateWay**
  - BGW: Elevator control and communication system for monitoring and controlling buildings.
- **Earthquake Emergency Return**
  - EER-P: Emergency return system for high-risk buildings.
- **Emergency Car Lighting**
  - ECL: Emergency lighting for buildings with power failures.
- **Fire Emergency Return**
  - FER: System for evacuating passengers during fires.
- **Firefighting Emergency Return**
  - FE: Automatic fire fighting system using smoke detection sensors.
- **Safeguard Door Edge**
  - ED: Opening doors to allow exit in case of fire emergencies.
- **Reopen with Hall Button**
  - RHB: Feature allowing doors to open with hall calls or preprogrammed signals.
- **Door Sensor**
  - DS: Sensor system for detecting door positions.
- **Door Load Detector**
  - DLD: System to detect door loads.
- **Door Nudging Feature**
  - DN: Feature to ensure smooth door opening and closing.
- **Door Sensor**
  - DDSA: Sensor system for detecting door positions.
- **Emergency Call Button**
  - EAB: Feature for emergency calls during fires.
- **Safety Door Edge**
  - SDE: Feature for ensuring smooth door opening and closing.

GROUP CONTROL FEATURES

- **Passenger Information System**
  - PIS: System to inform passengers about services.
Features (2/2)

GROUP CONTROL FEATURES (Continued from the previous page.)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eight-load Car Priority Service</td>
<td>UCP</td>
</tr>
<tr>
<td>Lunchtime Service</td>
<td>LT</td>
</tr>
<tr>
<td>Main Floor Changeover Operation</td>
<td>TFS</td>
</tr>
<tr>
<td>Main Floor Parking</td>
<td>MP</td>
</tr>
<tr>
<td>Special Car Priority Service</td>
<td>SCP</td>
</tr>
<tr>
<td>Special Floor Priority Service</td>
<td>SFP</td>
</tr>
<tr>
<td>Up Peak Service</td>
<td>UPS</td>
</tr>
<tr>
<td>VIP Operation</td>
<td>VIP-S</td>
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</tbody>
</table>

SIGNAL AND DISPLAY FEATURES

<table>
<thead>
<tr>
<th>Description</th>
<th>5C to 2C</th>
<th>2C to 4C</th>
<th>2C to 6+7</th>
<th>2C to 8BC</th>
<th>2C to 20BC</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAS</td>
<td>A synthetic voice (and/or buzzer) alerts passengers inside a car that elevator operation has been temporarily interrupted by an overload or other similar cause. (Available in limited areas.)</td>
<td>(1) &lt;br&gt; (2)</td>
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<tr>
<td>AECH (hall)</td>
<td></td>
<td>A hall lantern, which corresponds to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
<td></td>
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<tr>
<td>AAN-B</td>
<td>A lift car call panel which can be installed for large-capacity elevators, heavy traffic elevators, etc.</td>
<td>(1) &lt;br&gt; (2)</td>
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<tr>
<td>AHC</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<td>ASCH (hall)</td>
<td></td>
<td>A hall lantern, which corresponds to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CID</td>
<td>This 5.7-inch LCD for car operating panels shows the date and time, car position, travel direction and elevator status messages. In addition, custom video images can be displayed in full-screen or partial-screen formats.</td>
<td>(1) &lt;br&gt; (2)</td>
<td></td>
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<tr>
<td>CIO</td>
<td>This 5.7-inch LCD for elevator halls shows the date and time, car position, travel direction and elevator status messages. In addition, custom video images can be displayed in full-screen or partial-screen formats.</td>
<td>(1) &lt;br&gt; (2)</td>
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<tr>
<td>CSP</td>
<td>An additional or replacement panel for large-capacity elevators, heavy traffic elevators, etc.</td>
<td>(1) &lt;br&gt; (2)</td>
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<tr>
<td>CIS</td>
<td>A system which allows communication between passengers inside a car and the building personnel.</td>
<td>(1) &lt;br&gt; (2)</td>
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<tr>
<td>CIK</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<td>CIK-A</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<td>CIK-B</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<td>CIK-C</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<td>CIK-D</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<tr>
<td>CIK-E</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<tr>
<td>CIK-F</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<td>CIK-G</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<td>CIK-H</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<td>CIK-I</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<td>CIK-J</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<td>CIK-K</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<td>CIK-L</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
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<td>CIK-M</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
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<td>CIK-N</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
<td>(1) &lt;br&gt; (2)</td>
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<td>CIK-O</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
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<td>CIK-P</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
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<td>CIK-Q</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
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<td>CIK-R</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
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<td>CIK-S</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
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<td>CIK-T</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
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<td>CIK-U</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
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<td>CIK-V</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
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<td>CIK-W</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
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<td>CIK-X</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
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<td>CIK-Y</td>
<td>A hatch which connects to a car's service direction, flashes to indicate that the car is almost reached</td>
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<td>CIK-Z</td>
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</tbody>
</table>

Important Information on Elevator Planning

Work Not Included in Elevator Contract

The following items are excluded from Mitsubishi Electric's elevator installation work. Their details or conditions are to be conform to the statement of local laws or Mitsubishi Electric's elevator's requirements, are therefore the responsibility of the building owner or general contractor.

- Construction of the elevator machine room with proper beams and slabs, equipped with a lock, complete with illumination, ventilation and waterproofing.
- Access to the elevator machine room sufficient to allow passage of the control panel and traction machine.
- Architectural finishing of the machine room floor, and walls and floors in the vicinity of the entrance hall after installation has been completed.
- Construction of an illuminated, ventilated and waterproofed hoistway.
- The provision of a ladder to the elevator pit if applicable.
- The provision of opening and supporting members as required for equipment installation.
- Separate basements, when the hoistway dimensions markedly exceed the specifications, intermediate beams and separator partitions when two or more elevators are installed.
- The provision of an emergency-exit door, inspection door and pit access door, when required, and access to the doors.
- All other work related to building construction.
- The provision of power and main illumination, and their electrical switch boxes in the machine room, and laying of the wiring from the electrical rooms.
- The provision of outlets and laying of the wiring in the machine room and the hoistway, plus the power from the electrical switch box.
- The laying of conduits and wiring between the elevator pit and the terminating point for the devices installed outside the hoistway, such as the emergency bell, intercom, monitoring and security devices.
- The power consumed in installation work and test operations.
- All the necessary building materials for grouting in of brackets, bolts, etc.
- The test provision and subsequent alteration as required, and eventual removal of the scaffolding as required by the elevator contractor, and any other protection of the work as may be required during the process.
- The provision of a suitable, locked space for the storage of elevator equipment and tools during elevator installation.
- The security system, such as a card reader, connected to Mitsubishi Electric's elevator controller, when supplied by the building owner or general contractor.

Note: Work responsibilities in installation and construction shall be determined according to local laws.

Elevator Site Requirements

- The temperature of the machine room and elevator hoistway shall be below 45°C.
- The following conditions are required for maintaining elevator performance.
  a. The relative humidity shall be below 90% on a monthly average and below 95% on a daily average.
  b. Prevention against icing and condensation occurring due to a rapid drop in the temperature shall be provided in the machine room and elevator hoistway.
  c. The machine room and the elevator hoistway shall be finished with mortar or other materials so as to prevent concrete dust.
- Voltage fluctuation shall be within a range of ±5% to ±10%.

Ordering Information

Please include the following information when ordering or requesting estimates:

- The desired number of units, speed and loading capacity.
- The number of stops or number of floors to be served.
- The total elevator travel and each floor-to-floor height.
- The security system, such as a card reader, connected to Mitsubishi Electric's elevator controller, when supplied by the building owner or general contractor.
- Separate beams, when the hoistway dimensions markedly exceed the specifications, intermediate beams and separator partitions when two or more elevators are installed.
- The provision of a suitable, locked space for the storage of elevator equipment and tools during elevator installation.
- The security system, such as a card reader, connected to Mitsubishi Electric's elevator controller, when supplied by the building owner or general contractor.

Note: Work responsibilities in installation and construction shall be determined according to local laws.
State-of-the-Art Factories…
For the Environment. For Product Quality.

Mitsubishi Electric elevators and escalators are currently operating in approximately 90 countries around the globe. Built placing priority on safety, our elevators, escalators and building system products are renowned for their excellent efficiency, energy savings and comfort.

The technologies and skills cultivated at the Inazawa Works in Japan and 12 global manufacturing factories are utilized in a worldwide network that provides sales, installation and maintenance in support of maintaining and improving product quality.

As a means of contributing to the realization of a sustainable society, we consciously consider the environment in business operations, proactively work to realize a low-carbon, recycling-based society, and promote the preservation of biodiversity.

ISO9001/14001 certification

Mitsubishi Elevator Asia Co., Ltd. has acquired ISO 9001 certification from the International Organization for Standardization based on a review of quality management. The plant has also acquired environmental management system standard ISO 14001 certification.

Eco Changes is the Mitsubishi Electric Group’s environmental statement, and expresses the Group’s stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

MITSUBISHI ELECTRIC CORPORATION
HEAD OFFICE: TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN
www.MitsubishiElectric.com/elevator

Safety Tips: Be sure to read the instruction manual fully before using this product.