HOME ELEVATORS

Home Elevators for Private House
Luxury and convenience in your home

MODEL Series-SVC/SED
Raising the Quality of Your Lifestyle

Home elevators empower everyone in your family to move around the home with greater safety, freedom and peace of mind. And all rooms can be used with maximum effectiveness.

Safety

Mitsubishi Emergency Landing Device (MELD) and Emergency Car Lighting

Upon electric power supply failure, a car automatically moves to the nearest lower floor or bottom floor (Option), and doors open by using a rechargeable battery to facilitate the safe evacuation of passengers. And upon electric power supply failure, an emergency car light automatically turns on immediately and provides minimum level of lighting within a car by the rechargeable battery.

Energy-Saving and ECO Functions

LED Car Lighting

Applying LED Car Lighting offers longer life and saving energy. They are environmentally friendly, as they do not need to be replaced frequently.

Energy Saving Standard

Mitsubishi Home Elevators reduce wasteful electrical usage. In addition to a high-efficiency motor, they are equipped with an automatic illumination shutoff function and an energy-saving operation mode as a standard feature that dramatically reduces standby power consumption.
Mitsubishi Emergency Landing Device (MELD) and Emergency Car Lighting

Upon electric power supply failure, a car automatically moves to the nearest lower floor or bottom floor (Option), and doors open by using a rechargeable battery to facilitate the safe evacuation of passenger. And upon electric power supply failure, an emergency car light automatically turns on immediately and provides minimum level of lighting within a car by the rechargeable battery.

Safety Devices

To ensure safety in daily use, our elevators are equipped with safety systems equivalent to those of elevators used in commercial buildings.

- **Overload Holding Stop**
  - A buzzer will sound and the door will remain open if the weight in car exceeds its rated capacity.

- **Safety Gear**
  - Should there be any problem with the hoisting rope, such as looseness, the stopper will be activated instantly to grab the guide rail and keep the elevator from falling down.

- **Buffers**
  - Should the elevator exceed its range of movement and hit the top or bottom of the shaft, these buffers reduce the shock of impact and stop the car safely.

- **Encoder**
  - Encoder constantly monitors running speed of car and stops it if it exceeds the specified speed.

- **Final Limit Switch**
  - The elevator will stop if it travels exceeding its specified range of movement.

- **Entrance Door Locking Device**
  - Entrance door is locked automatically, and will not open unless the car stops at the same floor.

For SVC Series only

- **Multi-Beam Door Sensor**
  - Multiple infrared light beams cover the door height range of 10mm to 1500mm from the floor level to detect passengers or objects. When any of the beams are blocked, the closing doors immediately reverse to re-open safely without touching the door as providing standard feature.

For SED Series only

- **Door Safety Shoe**
  - If passengers or objects come into contact with the safety shoe on the door edge when the door is closing, the door automatically re-opens to ensure safe operation, as a standard feature.

- **Safety Ray (2 Beams)**
  - The doors feature a pair of photoelectric beams that detects passengers and objects. If a passenger or object is detected when the doors are closing, the doors will automatically reverse and open without making contact. This feature adds an extra level of safety to SED series.

Fire Emergency Return

If an automatic fire alarm system (smoke detector, etc.) installed in a building is activated, the car will be commanded to go to the evacuation floor.

* Any floor can be designated as the evacuation floor, but this cannot be changed once the elevator is installed.
* The elevator will not execute controlled operation if a safety system required by law or the elevator’s safety functions is triggered.

- An automatic fire alarm system in a building is triggered when the elevator is in motion.

- The notice lamp blinks and the car stops at a floor other than the evacuation floor with its doors closed.

- The car travels towards the evacuation floor, and the notice lamp blinks.

- The car arrives at the evacuation floor and its doors open automatically.

- 15 seconds later, the doors close automatically.*

- Operation stops.*

*1) The doors can be opened by pressing Door Open button.
*2) Door Open button is operable for approximately 60 minutes.
*3) Once the automatic fire alarm system returns normal operation and no problem is detected with the elevator, the elevator will resume operation automatically.
**Car Operating Panel (M-CBH-040GF)**

Car Operating Panel is located lower position on the side wall to easily operate by passengers. All words and numbers are displayed in large font for easy visibility. Door Open button, Emergency Bell button and Destination floor buttons are simple push type. And Message lamps of Battery Charging Level, Emergency Operation Mode and Earthquake Emergency Return are being displayed on Car Operating Panel.

**Hall Call Button (M-HBE-040GJ)**

Large size button of 44mm x 44mm is applied to Hall Call button. And it is easy, simple push type. Display lamps of Operation, Hall Call register and ECO Mode are provided on Hall call button panel. And location of Hall call button panel is visible by Operation lamp or ECO Mode lamp easily.

**100mm Higher Car Ceiling Height and Entrance Height**

For all type of car designs, 2100mm Car Ceiling Height and 2000mm Entrance Height can be applied to feel comfortable atmosphere.

*Triple line Windows are applied in case of SVE series.

**Energy Saving**

**ECO Mode (Energy-Saving)**

When the elevator is not used for certain period, the car light and electric fan (Option for Standard car design) are turned off automatically and reduce power consumption of standby power. During ECO Mode, ECO Mode lamp is turned-on light on Hall call button panel and Operation lamp reduces brightness of light.

**Car Arrival Chime**

Electronic chime sounds can be made to announce car arriving before reaching to the Floor. The chime can be controlled on/off by switch located in the telephone box.

**Remote Control**

One set of Remote control switch is applied, and Hall call can be registered at the floor some far distance from elevator entrance by Remote control switch. Remote control operation can be made to save time. It is also nice for caregivers to register the Hall call.

**Non Service Function (Key Switch Type)**

Specific destination buttons on car Operating Panel can be made inactive by using a key.

* The buttons at the binding area remain active.

**Electric Fan**

Providing Electric Fan for Deluxe car design as standard and for Standard car design as optional feature.

**Bleep Button**

Electronic tone sounds can be made to recognize that the Hall Call button or button on Car Operating Panel is pushed.

**Additional Management Key Switch**

Additional Management Key Switch can be provided by one unit. Management key switch is controlled to on/off of elevator operation from the floor.

**Long Type Car for SVC250L**

The long car cage will contribute to more comfortable access in your home, especially for wheelchair users.
## Lineup

<table>
<thead>
<tr>
<th>SVC Series</th>
<th>SED Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVC200DX</td>
<td>SED300S</td>
</tr>
<tr>
<td>SVC250L</td>
<td>SED200S</td>
</tr>
<tr>
<td>SVC200</td>
<td></td>
</tr>
</tbody>
</table>

### Car

<table>
<thead>
<tr>
<th>SVC Series</th>
<th>SED Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVC200DX</td>
<td>SED300S</td>
</tr>
<tr>
<td>SVC250L</td>
<td>SED200S</td>
</tr>
<tr>
<td>SVC200</td>
<td></td>
</tr>
</tbody>
</table>

### Shaft plan

<table>
<thead>
<tr>
<th>SVC Series</th>
<th>SED Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVC200DX</td>
<td>SED300S</td>
</tr>
<tr>
<td>SVC250L</td>
<td>SED200S</td>
</tr>
<tr>
<td>SVC200</td>
<td></td>
</tr>
</tbody>
</table>

#### Door opening size
- SVC Series: 800mm x 1900mm
- SED Series: 800mm x 2000mm

#### Gate type
- SVC Series: 1-Gate, 2-Gate
- SED Series: 1-Gate, 2-Gate

#### Capacity
- SVC Series: 3 Persons (200kg), 3 Persons (250kg)
- SED Series: 4 Persons (300kg), 3 Persons (200kg)

#### Maximum Travel
- SVC Series: 13m / 10m
- SED Series: 13m

#### Maximum Number of Stops
- SVC Series: 5
- SED Series: 5
Safety

Multi-Beam Door Sensor

Multiple infrared light beams cover the door height range of 100mm to 1500mm from the floor level to detect passengers or objects. When any of the beams are blocked, the closing doors immediately reverse to re-open safely without touching the doors as providing standard feature.

Unintended Car Movement Protection System

SVC200DX & SVC200 – Standard

- Ceiling: Full LED Ceiling
- Car Wall: Coated Steel Plate Incorporated with Stainless Steel Mirror
- Floor: Carpet

SVC250L

- Ceiling: Coated Metal Plate Incorporated with LED Rectangular Cover Light
- Car Wall: Coated Steel Plate
- Floor: Carpet

SVC200

- Ceiling: Stainless Steel Hardline Incorporated with LED Down Light
- Car Wall: Stainless Steel Hardline
- Floor: Vinyl Tile

Various Car Design

SVC200 Deluxe Car Design

3 Persons / 200kg

- Ceiling: Coated Metal Plate
- Car Wall: Coated Steel Plate
- Floor: Carpet

SVC250L

3 Persons / 250kg

- Ceiling: Coated Metal Plate Incorporated with LED Rectangular Cover Light
- Car Wall: Coated Steel Plate
- Floor: Carpet

SVC200

3 Persons / 200kg

- Ceiling: Stainless Steel Hardline Incorporated with LED Down Light
- Car Wall: Stainless Steel Hardline
- Floor: Vinyl Tile

Space-Saving

Space-Saving Solutions

As required minimum space design, “Machine-Room-Less concept” is adopted, whereby the Driving Device is located in the shaft wall and the Control Panel is installed inside the elevator’s entrance unit at the bottom floor. Furthermore, required Overhead dimension, Pit depth and Shaft Size are designed minimized dimension for the least building construction interface.

Car and Entrance Door Window Application (Option)

Wired Glass Window

*Option

Transparent Glass Window

*Option

Triple Slit Plastic Window

*Option

- W5270 Pure White
- W5931 Dark Marble

* Be sure that 1500mm Higher Car Ceiling Height & Entrance Height is applied. Triple Slit Plastic Window is applied as standard.

NOTE: Standard: Grey Smoked Plastic Window
SVC200 Deluxe Car Design

Basic Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Deluxe Car Design</th>
<th>Deluxe Car Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoke</td>
<td>Passenger Car/Priv. Round</td>
<td>Passenger Car/Priv. Round</td>
</tr>
<tr>
<td>Number of Persons</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Rated Capacity (kg)</td>
<td>800</td>
<td>800</td>
</tr>
<tr>
<td>Rated Speed (m/min)</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Door Opening</td>
<td>Front</td>
<td>Front</td>
</tr>
<tr>
<td>Door Design</td>
<td>2-Door Model</td>
<td>2-Door Model</td>
</tr>
<tr>
<td>Door Type</td>
<td>LED Full Ceiling Light Type</td>
<td>LED Square Cover Light Type</td>
</tr>
<tr>
<td>Starting Frequency</td>
<td>1.0</td>
<td>1.0</td>
</tr>
</tbody>
</table>

When the Unmanned Car Movement Protection System is not applied, Starting Frequency is 1.0 m/min.

NOTE: Applies Standard Building Standard Law of Japan

Installation of a telephone inside the car is highly recommended to call for help in an emergency.
LED Rectangle Cover Light Type (CE-VCB-A30)

LED Rectangle Cover Light Type (CE-VCB-A30)

LED Down Light Type (CE-VCB-C30)

• Diffuser (W/5 Beige) Electric Fan: Option

• Diffuser (W/5 Beige) Electric Fan: Option

• Ceiling (M596 Snow Willow)

• Ceiling (M596 Snow Willow)

• Handrail (Option): M596 Straight Black

• Handrail (Option): M596 Straight Black

• Car Door (M596 Snow Willow)

• Car Door (M596 Snow Willow)

• Floor (E+12 Grey)

• Floor (E+12 Grey)

• Entrance Door Frame (M579 Pure White)

• Entrance Door Frame (M579 Pure White)

• Windows: Wood Glass Window (option)

• Windows: Wood Glass Window (option)

ATTENTION!!!

Installation of a telephone inside the car is highly recommended to call for help in an emergency.

1. Ceiling
2. Car Wall / Front Return Panel & Transom Panel
3. Plastics

1. Telephone Box
2. Diffuser

1. Car Doors (M579 Pure White)
2. Entrance Doors (M579 Pure White)

1. Telephone Box
2. Diffuser

1. Car Doors
2. Entrance Doors / Entrance Door Frame

1. Floor
2. Vinyl/Floor Tite
3. Wood (Option)

SVC250L Basic Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>SVC250</th>
<th>SVC250L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Passenger (for Private House)</td>
<td></td>
</tr>
<tr>
<td>Number of Floors</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Rated Capacity (kg)</td>
<td>250</td>
<td></td>
</tr>
<tr>
<td>Rated Speed (m/min)</td>
<td>0.6</td>
<td></td>
</tr>
<tr>
<td>Number of Cars</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Number of Doors</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>1200</td>
<td></td>
</tr>
<tr>
<td>Main Door Width (mm)</td>
<td>1000</td>
<td></td>
</tr>
<tr>
<td>Main Door Height (mm)</td>
<td>2100</td>
<td></td>
</tr>
<tr>
<td>Main Door Thickness (mm)</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Main Door Material</td>
<td>Stainless Steel</td>
<td></td>
</tr>
<tr>
<td>Number of Carriers</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Number of Windows</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Number of Lighting Devices</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Lighting Devices</td>
<td>LED Downlight Type</td>
<td></td>
</tr>
<tr>
<td>Lighting Devices</td>
<td>LED Downlight Type</td>
<td></td>
</tr>
<tr>
<td>Lighting Devices</td>
<td>LED Downlight Type</td>
<td></td>
</tr>
<tr>
<td>Lighting Devices</td>
<td>LED Downlight Type</td>
<td></td>
</tr>
</tbody>
</table>

*When Unintended Car Movement Protection System (Optional Features) is not applied.

Starting Frequency: 50 Hz

NOTES: Applicable Standard Manufacturer’s Standard

Actual color may differ slightly from those shown.
**SVC200**

**LED Down Light Type (CE-VCB-C310)**

**LED Rectangle Cover Light Type (CE-VCB-A310)**

**Car Design**
- Ceiling: Coated Steel Plate
- Car Wall: Front Return Panel & Transom Panel, Coated Steel Plate
- Car Doors: Coated Steel Plate
- Windows: Gray Smoked Plastic
- Door: Carpet
- Track: Gray Plastic
- Telephone: (Provided by Customers)
- Electric Fan (Option)
- Handrail (Option) [CF3]
- Car Mirror (Option) [CF3]
- Telephone (Provided by Customers)

*Down Light frame is the same color as Diffuser*

**SVC200 Basic Specifications**

<table>
<thead>
<tr>
<th>Item</th>
<th>SVC200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usage</td>
<td>Passenger (2 Persons, House)</td>
</tr>
<tr>
<td>Number of Persons</td>
<td>3</td>
</tr>
<tr>
<td>Panel Capacity (kg)</td>
<td>300</td>
</tr>
<tr>
<td>Rated Speed (m/min)</td>
<td>Up 28, Down 20</td>
</tr>
<tr>
<td>Driving System</td>
<td>VVV Inverter Drive</td>
</tr>
<tr>
<td>Control System</td>
<td>VVV Inverter Drive</td>
</tr>
<tr>
<td>Power Supply</td>
<td>Single-Phase 277V/480V 240V/480V-1/3-1 3-Phase 277V/480V-1/3-1</td>
</tr>
<tr>
<td>Motor Power (kW)</td>
<td>1.5</td>
</tr>
<tr>
<td>Maximum Number of Stops</td>
<td>9</td>
</tr>
<tr>
<td>Maximum Transf.</td>
<td>19</td>
</tr>
<tr>
<td>Door Type</td>
<td>4-Panel Carriage Opening</td>
</tr>
<tr>
<td>Ceiling Type</td>
<td>LED Down Light Type</td>
</tr>
<tr>
<td>Starting Frequency</td>
<td>110mm/Day</td>
</tr>
</tbody>
</table>

*When Unintended Car Movement Protection System is not applied, Starting Frequency is 510mm/Day.

NOTII Applies Building Standards Law of Japan

**Ceiling**
- M594 Snow Willow
- M596 Snow Willow

**Car Wall / Front Return Panel & Transom Panel**
- M591 Camel Walnut

**Car Doors**
- M596 Snow Willow

**Entrance Door Frame**
- M593 Camel Walnut

**Entrance Doors**
- M596 Snow Willow

**Floor**
- F-12 Grey

**Telephone Box**
- W5 Beige

**Telephone**
- Straight Beige

**Handrail (Option)**
- (CF3)

**Windows**
- Grey Smoked Plastic

[ATTENTION!!!]

Installation of a telephone inside the car is highly recommended to call for help in an emergency.

**Coated Steel Plate**
- Stainless Steel

**Plastics**
- Black

**Vinyl Floor Ekle**
- Vinyl 1-11

**Carpet**
- Gray F-52

**Wood (Option)**
- Cherry F-14

**ATTENTION!!!**

Installation of a telephone inside the car is highly recommended to call for help in an emergency.

**Coated Steel Plate**
- Stainless Steel

**Plastics**
- Black

**Vinyl Floor Ekle**
- Vinyl 1-11

**Carpet**
- Gray F-52

**Wood (Option)**
- Cherry F-14

Actual color may differ slightly from those shown.
Safety

Door Safety Shoe (Standard)

If passengers or objects come into contact with the safety shoe on the door edge when the door is closing, the door automatically re-opens to ensure safe operation, as a standard feature.

Safety Ray (2 Beams)

The doors feature a pair of photoelectric beams that detects passengers and objects. If a passenger or object is detected when the doors are closing, the doors will automatically reverse and open without making contact. This feature adds an extra level of safety to SED series.

Maximum Use of Available Space

Installation Proposals in Buildings with Limited Pit Depth

For Private House

This optimum elevator model fits for sites where pits cannot be dug overhead or for existing buildings.

For Maisonette Residence

Nowadays, installation of home elevators in Maisonette residence has been growing in popularity. This elevator model offers the optimum choice for use in buildings with limited vertical space.

Car and Entrance Door Window Application (Option)

Wired Glass Window

Transparent Glass Window

Large Size Wired Glass Window

Option

Option

Option

Wired Glass Window

[Stainless Steel Handle]

[Stainless Steel Filler]

Large Size Wired Glass Window

[MG-001] Thin Gold (Silver)]

2 Types of Car Capacity

SED300S

4 Persons / 300kg

SED200S

3 Persons / 200kg
View Window

This large window allows natural light to enter the car to create an open feeling. Enjoy the scenery outside as you travel in the car.

Car Wall Protect Plate

A stainless steel guard can be installed to prevent the inside of the car from scratches by wheelchairs.

Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>PC1240W8</th>
<th>PC1240H8</th>
<th>PC1240G8</th>
<th>PC1240F8</th>
<th>PC1240K8</th>
<th>PC1240C8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Car Appearance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handrail</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Car Mirror</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stainless Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wooden Frame</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminum Frame</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>View Window</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Car Indicator</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Car Wall Protect Plate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. [Unit: mm]
Plan view

SVC series

SVC200DX / SVC200

1-Gate Model
- Car depth: 1180mm
- Car width: 950mm
- Entrance width: 800mm
- Shaft width: min. 1350mm

2-Gate Model
- Entrance doors
- Ropes
- Car

SVC250L

1-Gate Model only
- Car depth: 1180mm
- Car width: 880mm
- Entrance width: 800mm
- Shaft width: min. 1350mm

SED series

SED300S

1-Gate Model only
- Car depth: 1180mm
- Car width: 900mm
- Entrance width: 800mm
- Shaft width: min. 1350mm
*In case that “Double Isolation unit for Absorbing Vibration and Sound” is applied.

SED200S

1-Gate Model
- Entrance doors
- Ropes
- Car

2-Gate Model
- Winding drum machine

*In case that “Double Isolation unit for Absorbing Vibration and Sound” is applied.
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

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