#### Hitachi Building Systems Co., Ltd.

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**Contact Address:** 

The information in this catalogue is subject to change without notice.



## HITACHI Inspire the Next







Our home elevators developed in Japan are designed to fit into your home and villas, to add value with a wide range of advanced design.

Space-Saving shaft dimension.

your home and villas.

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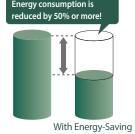
**User-Friendly** 

Our home elevators are designed to ensure the safety and comfort for all people: Providing automatic doors and multi-beam door sensors as standard on all models helps older people and people with disabilities use our home elevator more safely and comfortably.

More Comfort Atmosphere

As our home elevators apply rope type, less odors and no worry for oil leakages which may happen with hydraulic lifts.

significantly reduced (ECO Mode) ergy co



# Japan Quality

Our Machine-Room-Less design offers minimal overhead, pit depth and

### Single-Phase Power Supply Design

Operating on Single-phase 210-240V which is commonly available in

### Earthquake-Resistant Design

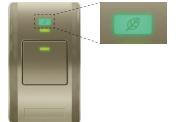
Our home elevators complying with The Building Standard Law of Japan conform to the strength section of Japan Earthquake-Resistant standard.

## Energy-Saving (ECO-Friendly)

The car lighting and electric fan are automatically turned off and standby power is

In addition, LED lighting and high efficiently transformer are applied as standard.





During ECO Mode, ECO Mode Lamp on Hall Call Button lights up.



## Safety Features

Our home elevators are always provided with a wide range of safety features also found in commercial elevators.

Automatic Rescue Device for Power Failure Standard Upon electric power supply failure, by using a rechargeable battery, a car automatically moves to the nearest lower floor (Standard) or bottom floor (Optional) and doors open for the safe evacuation of passengers.

Multi-Beam Door Sensor Standard reverse to re-open safely.

Overload Detection System Standard When the car is overloaded, a buzzer sounds and the car does not leave that floor until enough passengers exit the car for the safety. After enough passengers exit the car, the buzzer stops and the car leaves that floor.

Next Drive Operation Standard

## Nearest Landing Operation for Minor Trouble Standard

If a car has stopped between floors due to some equipment malfunction, the controller checks the cause, and if it is considered safe to move the car, the car will move to nearest floor at a low speed and the door will open.

Car Emergency Lighting Standard

Upon electric power supply failure, Car Emergency Lighting automatically turns on immediately and provides minimum level of lighting within a car by the rechargeable battery.

## Emergency Bell Button Standard

A bell located on the top of the car sounds while the button on Car Operating Panel is being pressed. This button alerts persons inside the house.

## Modular Jack (for Landline Phone) Standard

Modular Jack is provided in the car for easy installation of a landline phone (provided by customers) that enables passengers to notify or communicate directly with outside.

\*It is highly recommended to provide the landline phone in the car to call for help in case of emergency. \*Instead of providing the landline phone, a mobile phone can be kept in the car all the time because USB Power Supply enables the mobile phone to be charged. \*Make sure that outside call over the landline phone or mobile phone is working in advance.

Multiple infrared light beams cover the door height range of 10mm to 1580mm from the floor level to detect passengers or objects. When any of the beams are blocked, the closing doors immediately

If the elevator doors do not open fully at a destination floor, the doors close, and car automatically moves to the next or nearest floor where the doors open.







4



## *Comfort features*

your home and villas.

Extending Door Opening Time Standard Door opening time can be extended by 3 minutes by pressing Door Open Button on Car Operating Panel or Hall Call Button while the doors are open.

USB Power Supply (Type-A/DC5V 2.4A) Standard USB charging port can be used for various purposes (such as fan, aroma diffuser and air cleaners provided by Customers)

Management Key Switch Standard Management Key Switch installed at bottom floor deactivates the elevator. For example, owner can take the elevator out of service manually with this switch before leaving the house to prevent children from playing with the elevator.

One Additional Management Key Switch Optional One Additional Management Key Switch can be applied at any floor other than bottom floor. For example, if Management Key Switch is applied at ground floor (main entrance) and basement floor (garage), owner can more conveniently switch to disable/able the elevator.

Bleep Button Optional Electric tone sounds to recognize that Hall Call Button or button on Car Operating Panel is pressed.

Electric Fan Optional Electric Fan on the car ceiling blows the air to keep inside of the car clean.

Car Arrival Chime Optional Electric chime sounds to announce car arriving before landing on the floor.

Car Indicator Optional Car Indicator displays information on the car position and operating status clearly.

Hall Position Indicator Optional Users can easily know the car position and travel direction by clear and big indicator.

## 100mm Higher Car Ceiling Height and Entrance Height

Car ceiling height and entrance height can be higher by 100mm to feel comfortable atmosphere.

SHA240G: Standard \*Standard: Car ceiling height: 2100mm Entrance height: 2000mm

\*Standard: Car ceiling height: 2000mm Entrance height: 1900mm Optional: Car ceiling height: 2100mm Entrance height: 2000mm

Our home elevators offer a wide range of comfort features for

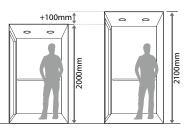


Management Key Switch (Bottom floor)



Extending door opening

#### Others: Optional





## Lineup

Glass Car Design Deluxe Car Design		Standard Car Design			Large-Depth Car Design			
		SHA240G	SVC260D	SVC200D	SHA300S	SVC280S	SVC2005	SVC260SL
Rate	ed Capacity	240kg / 3 Persons	260kg / 4 Persons	200kg / 3 Persons	300kg / 4 Persons	280kg / 4 Persons	200kg / 3 Persons	260kg / 4 Persons
De	oor Type	2-Panel Center Opening	4-Panel Cen	ter Opening	2-Panel Center Opening	4-Panel Cen	ter Opening	4-Panel Center Opening
	Car							
Rated Speed Up 20m/min, Do		000 30m/mi	n	ι	Jp 20m/min, [	Down 30m/mi	'n	
Max. Stops		5	5		5			
Max.	⊕ 1-Gate	13	m			13m		
Travel	♣ 2-Gate	-	-	10m	-		10m	-
Car Size		(W)950mm x (D)1150mm x (H)2100mm	(W)950mm x (D)1150mm x (H)2000mm*1		(W)950mm x (D)1150mm x (H)2000mm <sup>*1</sup>		(W)880mm x (D)1300mm x (H)2000mm <sup>*1</sup>	
Door Opening Size		(W)800mm x (H)2000mm	(W)800mm x	(H)1900mm*2	(W)800mm x (H)1900mm*2		(W)800mm x (H)1900mm*2	

\*1 Optional: (H)2100mm \*2 Optional: (H)2000mm

## Glass Car Design (For Indoor / Outdoor Enclosed)





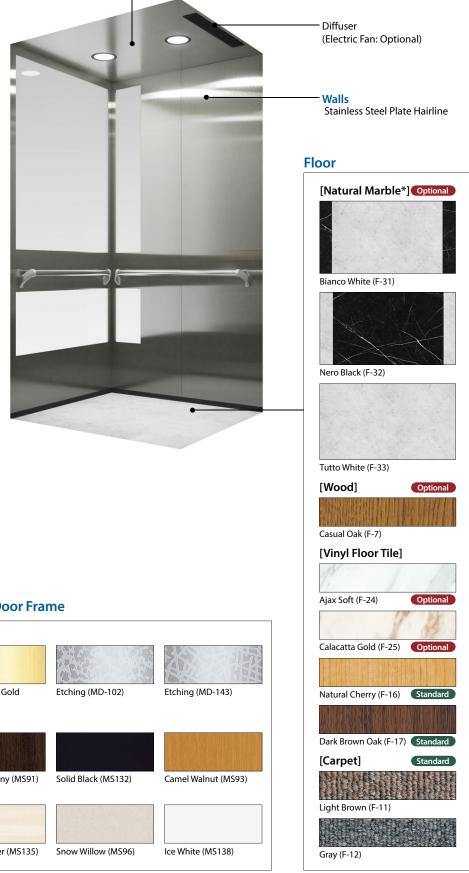


**Car Design** 



Ceiling	LED Down Light Type: SUS-HL
Side Walls, Front Return &	
Transom Panel	505112
Car Doors	
	Large Transparent Glass(Optional)
Floor	F-33(Optional)
Handrail	- 3 side Handrails(Stainless Steel)
Telephone	Provided by Customers









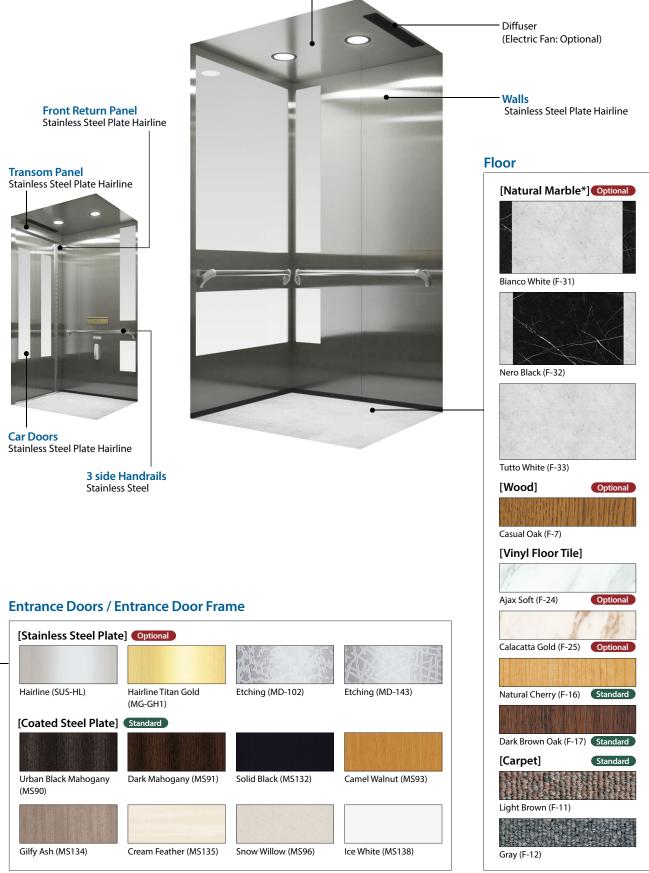
#### **Basic Specifications**

		SHA240G	
Rated Capacity		3 Persons / 240kg	
Rated Speed		Up 20m/min, Down 30m/min	
Max. Stops		5	
Max. Travel	1-Gate	13m	
ividx. Havei	2-Gate	-	
Driving System		Basement Drum Type	
Control System		VVVF Inverter Drive	
Power Supply		Single-Phase 210V•220V•230V•240V 2-Wired	
Door Type		2-Panel Center Opening	
Starting Frequency		150 times/day	

#### **Entrance Design**



Entrance Doors / Frame-SUS-HL (Optional) Windows — Large Transparent Glass (Optional)



#### LED Down Light Type (CE-VCB-C30) Stainless Steel Plate Hairline

**Ceiling Type** 

\*The pattern is different individually due to the natural stone.

## Deluxe Car Design

## **Car Design**



Ceiling	LED Full Ceiling Light Type
Stainless Mirror	MR-VCB-NN0-ST (Optional)
Side Walls	MS96
Bottom Wall of	
Car Operating Panel	MS90
Front Return & Transom Panel	MS96
Car Doors	MS96
Windows	Double Slit Gray Smoked Plastic
Floor	F-31 (Optional)
Handrail (Optional)	Black Wood
Telephone	Provided by Customers

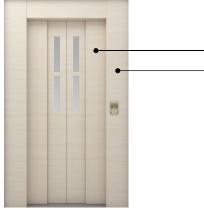
### **Basic Specifications**

		SVC260D	SVC200D	
Rated Capacity		4 Persons / 260kg	3 Persons / 200kg	
Rated Speed		Up 20m/min, Down 30m/min		
Max. Stops		5		
Max. Travel	1-Gate	13m		
iviax. Havei	2-Gate	-	10m	
Driving System		Basement Drum Type		
Control System		VVVF Inverter Drive		
Power Supply		Single-Phase 210V•220V•230V•240V 2-Wired		
Door Type		4-Panel Center Opening		
Starting Frequency		150 times/day		



## MS138 F-31 (Optional) Black Wood Provided by Customers LED Down Light Type: MS96 Stainless Mirror ---- MR-VCB-NN0-ST (Optional) MS96 - MS90 - MS90 - F-32 (Optional) Black Wood

### **Entrance Design**



Entrance Doors / Frame MS135 Windows ----- Double Slit Transparent Glass (Optional)

#### Ceiling / Rear Wall / Side Walls / Bottom Wall of Car Operating Panel / Front Return & Transom Panel



### Car Doors / Entrance Doors / Entrance Door Frame









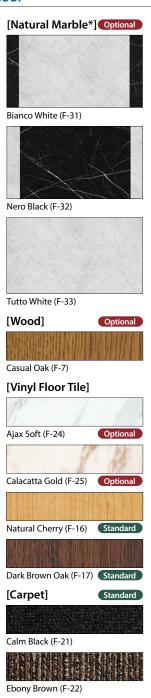
Ice White (MS138)

## **Ceiling Type**



LED Square Cover Light Type(CE-VCB-E30)

#### Floor



\*The pattern is different individually due to the natural stone. Not applicable to 2-Gate Model.

## Standard Car Design

## **Car Design**



Ceiling LED Down Light Type: MS96
Side Walls,
Front Return &
Transom Panel MS96
Car Doors MS96
Windows Large Transparent Glass (Optional)
Floor
Handrail (Optional) Black Wood
Telephone Provided by Customers

#### **Basic Specifications**

		SHA300S	
Rated Capacity		4 Persons / 300kg	
Rated Speed		Up 20m/min, Down 30m/min	
Max. Stops		5	
Max. Travel	1-Gate	13m	
iviax. Havei	2-Gate	-	
Driving System		Basement Drum Type	
Control System		VVVF Inverter Drive	
Power Supply		Single-Phase 210V•220V•230V•240V 2-Wired	
Door Type		2-Panel Center Opening	
Starting Frequency		150 times/day	

	_	
Access Here for Design Simulator	$\langle \rangle$	
Design Simulator enables to visualize	$\rightarrow$	56.22 A
the car and entrance design.		
	_	



LED Down Light Type: SUS-HL

MR-VCB-NN0-SN

- SUS-HL (Optional)

- Stainless Steel

Provided by Customers

(Optional)

(Optional)

F-12

### **Car Design Example**

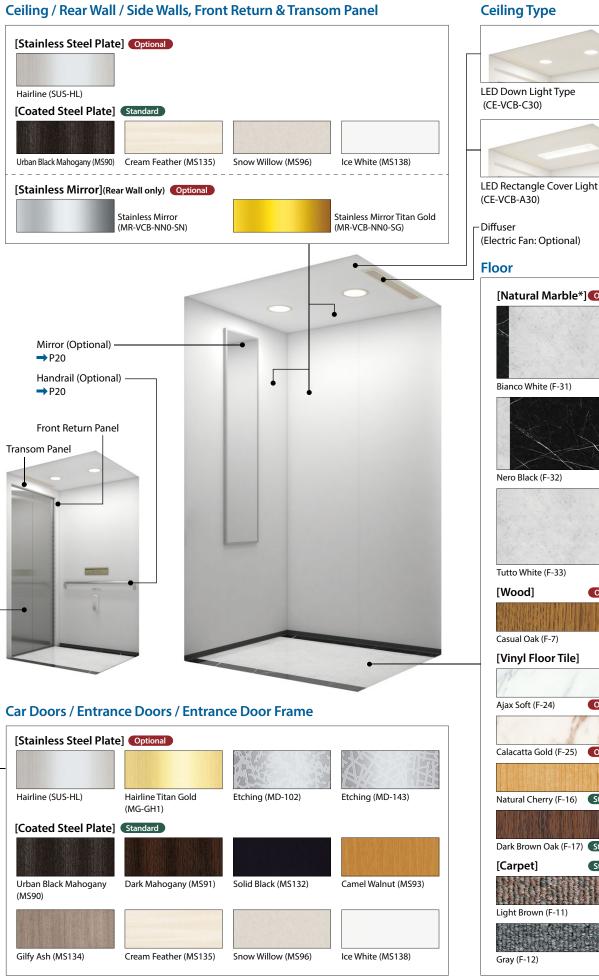


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/	Ceiling	LED Rectangle Cover Light Type: MS135
	Rear Wall	MS135
	Side Walls	MS135
	Floor	· F-17
	Handrail (Optional)	Black Wood
	Mirror (Optional)	Aluminium Frame
	Telephone	Provided by







### **Entrance Design**



Entrance Doors / Frame-SUS-HL (Optional) Windows — Large Transparent Glass (Optional)

\*The pattern is different individually due to the natural stone.

## Standard Car Design

## **Car Design**



Ceiling	LED Down Light Type: SUS-HL (Optiona
Side Walls,	
Front Return &	
Transom Panel	SUS-HL (Optional)
Car Doors	SUS-HL (Optional)
Windows	Double Slit Gray Smoked Plastic
Floor	F-32 (Optional)
Handrail (Optional)	Stainless Steel
Telephone	Provided by Customers

#### **Basic Specifications**

		SVC280S	SVC200S	
Rated Capacity		4 Persons / 280kg	3 Persons / 200kg	
Rated Speed		Up 20m/min, Down 30m/min		
Max. Stops		5		
Max. Travel	1-Gate	13m		
iviax. Havei	2-Gate	-	10m	
Driving System		Basement Drum Type		
Control System		VVVF Inverter Drive		
Power Supply		Single-Phase 210V•220V•230V•240V 2-Wired		
Door Type		4-Panel Center Opening		
Starting Frequency		150 times/day		



Cennig	Light Type: MS138
Rear Wall	MR-VCB-NN0-SG (Optional)
Side Walls	MS90
Floor	F-31 (Optional)
Handrail (Optional)	Black Wood
Telephone	Provided by Customers

**Entrance Design** 

## **SVC200S** SVC2005 3 Persons / 200kg

Access Here for Design Simulator

Design Simulator enables to visualize the car and entrance design.











Entrance Doors / Frame-MS134 Windows ---- Double Slit Transparent Glass (Optional)

\*The pattern is different individually due to the natural stone. Not applicable to 2-Gate Model.

## Large-Depth Car Design





Ceiling	LED Rectangle Cover Light Type: MS138
Side Walls, Front Return &	
Transom Panel	MS138
Car Doors	MS138
Windows	Double Slit Gray Smoked Plastic
Floor	F-12
Handrail (Optional)	Black Wood
Telephone	Provided by Customers

### **Basic Specifications**

		SVC260SL			
Rated Capacity		4 Persons / 260kg			
Rated Speed		Up 20m/min, Down 30m/min			
Max. Stops 5		5			
Max. Travel	1-Gate	13m			
	2-Gate	-			
Driving System		Basement Drum Type			
Control System		VVVF Inverter Drive			
Power Supply		Single-Phase 210V•220V•230V•240V 2-Wired			
Door Type		4-Panel Center Opening			
Starting Frequency		150 times/day			





### **Car Design Example**

Ceiling LED Down Light Type: MS90
Rear Wall MS90
Side Walls MS90
Floor F-7 (Optional)
Handrail Beige Wood (Optional)
Mirror Aluminium Frame (Optional)
Telephone Provided by Customers



	Light Type: MS1
Rear Wall	
	(Optional)
Side Walls	MS135
loor	F-11
Handrail	Stainless Steel
Optional)	
<b>Felephone</b>	Provided by
	Customers

**Entrance Design** 

Entrance Doors / Frame-MS91 Windows — Triple Slit Transparent Glass

(Optional)

# Ceiling LED Rectangle Cover 135

## Urban Black Mahogany (MS90) Cream Feather (MS135) [Stainless Mirror](Rear Wall only) Optional Stainless Mirror (MR-VCB-NN0-SN) Mirror (Optional) ⇒P20 Handrail (Optional) ⇒P20 Front Return Panel **Transom Panel**



## Appearances

#### **Car and Entrance Door Windows**

#### 2-Panel Center Opening Door (SHA240G/SHA300S)

[Window Type]





4-Panel Center Opening Door (SVC260D/SVC200D/SVC280S/SVC200S/SVC260SL)

Double Slit Standard

#### [Window Shape] Triple Slit\* Optional

No Window Standard

\*When 100mm Higher Car Ceiling Height & Entrance Height is applied, Triple Slit is applied as standard.

#### [Window Material] Transparent Glass Optional





#### Handrails Optional



Beige Wood (HR-RJ0-S30W)



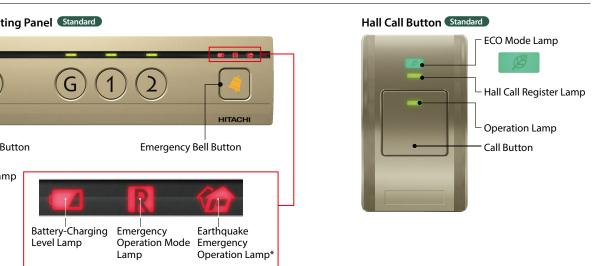
Black Wood (HR-RJ0-S30B)



Stainless Steel (HR-EB0-S30S)

### Signalization

## Car Operating Panel Standard G 2 нітасні Door Open Button **Emergency Bell Button** Message Lamp



\*This lamp lights up only when Earthquake Emergency Operation with P-Wave Sensor (Optional) is applied.



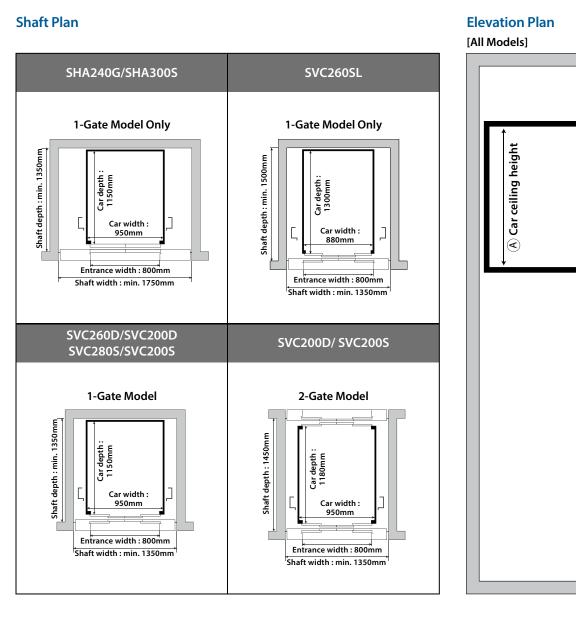


Aluminium Frame (MR-ED0-AN0-LGN)

#### Car Wall Protect Plate Optional



## Plan View



								(mm)
Item		Glass Car Design	Deluxe Car Design			Large-Depth Car Design		
		SHA240G	SVC260D	SVC200D	SHA300S	SVC280S	SVC200S	SVC260SL
A Car ceiling	height	2100	2000/2100(*1)					
B Entrance h	B Entrance height		1900/2000(*1)					
C Min. Overh	lead dimension	2500	2450/2550(*1) 2400/2500(*1)					
(D) <u>M</u> ax.	1Gate Model		13000					
Travel	2Gate Model	-	-	10000	-	-	10000	-
E Min.	1Gate Model		560/610(*2)					·
PIT"	2Gate Model	-	-	760/800(*2)	-	-	760/800(*2)	-

\*1 When 100mm Higher Car Ceiling Height & Entrance Height(Optional) is applied \*2 When Double Isolation Unit for Absorbing Vibration and Sound(Optional) is applied

**Overhead dimension** 

 $\odot$ 

D Travel

E PIT

(mm)

B Entrance height

## **Specifications**

		Glass Deluxe			●Standard ○Optional - Standard			Large-Depth
		Car Design Car Design			Car Design			
		SHA240G	SVC260D	SVC200D	SHA300S	SVC280S	SVC200S	SVC260
	Multi-Beam Door Sensor(MBDS)	٠	٠		٠	٠	٠	
	Overload Return Door System(ORS)	•	٠	•	•	۲	•	•
	Nearest Landing operation for Minor Trouble(NLNO)	•	•	•	•	•	•	•
	Next Drive Operation(NXTD)	•	•	•	•	•	•	•
	Overload Detection System(OLDS)	•	•	•	•	•	•	•
Safety Feature	Automatic Rescue Device for Power Failure(ARD) Landing on Nearest Lower Floor	٠	•	•	٠	•	•	•
	Automatic Rescue Device for Power Failure(ARD) Landing on Bottom Floor	0	0	0	0	0	0	0
	Car Emergency Lighting(CEML)	•	•	•	•	•	•	•
	Emergency Bell Button	•	•	•	•	•	•	•
	Unintended Car Movement Protection System	•	•	ě	•	ě	ě	•
Energy-Saving	ECO Mode	•	•	•	•	•	•	•
	Handrail (Wood / Stainless Steel)	•*4	0	0	0	0	0	0
	Mirror (Aluminium Frame)	-	-	-	Õ	Õ	0	0
	Electric Fan	0			0	0	0	0
	Car Wall Protect Plate	0	-	-	0	0	0	0
	Stainless Steel Plate (Ceiling / Wall / Front Return	0			0	$\bigcirc$	$\bigcirc$	$\bigcirc$
	& Transom Panel)	•	-	-	0	0	0	0
Car Design	Stainless Steel Plate (Car Doors)	•	0	0	0	0	0	0
	Stainless Mirror (at Whole Rear Wall)	-	-	-	0	0	0	0
	Stainless Mirror Titan Gold (at Whole Rear Wall)	-	-	-	0	0	0	0
	Stainless Mirror (at Center Panel of Rear Wall & at Panel above Car Operating Panel)	-	•	•	-	-	-	-
	Stainless Mirror Titan Bronze (at Center Panel of Rear Wall & at Panel above Car Operating Panel)	-	0	0	-	-	-	-
	Carpet (F-11, F-12)		-	-				•
	Carpet (F-21, F-22)	-		•	-	-	-	-
Floor	Vinyl Floor Tile (F-16, F-17)			•		•		
	Vinyl Floor Tile (F-24, F-25) / Wood	0	0	0	0	0	0	0
	Natural Marble (F-31, F-32, F-33) *1	0	0	0	0	0	0	-
Comfort	2-Gate Model (Only one side opening at each floor)	-	-	0	-	-	0	-
connort	100mm Higher Car Ceiling Height and Entrance Height	•	0	0	0	0	0	0
	NoWindow		•	•	•	•	•	
	Large Transparent Glass Windows	0	-	-	0	-	-	-
Car & Entrance	Double Slit Plastic Windows	-	•	•	-	•	•	
Door Windows	Double Slit Transparent Glass Windows	-	0	0	-	0	0	0
	Triple Slit Plastic Windows*2	-	0	0	-	0	0	0
	Triple Slit Transparent Glass Windows	-	0	$\bigcirc$	-	0	0	0
Entrance Design	Stainless Steel Plate	0	0	$\bigcirc$	0	0	0	$\bigcirc$
	Message Lamp (on Car Operating Panel)	•	•	•	•	•	•	•
	Modular Jack / USB Power Supply	•	•	•	•	•	•	•
	Extending Door Opening Time (3 Minutes)	•	•	•	•	•	•	•
Function	Management Key Switch (Bottom Floor)	•	•	•	•	٠	•	
	One Additional Management Key Switch	0	0	0	0	0	0	0
	Double Isolation Unit for Absorbing Vibration and Sound*3	0	0	0	0	0	0	0
	Earthquake Emergency Operation(EEMO) with P-Wave Sensor	0	0	○*5	0	0	○*5	0
	Fire Emergency Operation(FEMO)	0	0	0	0	0	0	0
	Flood Emergency Operation	0	0	0	0	0	0	0
	Car Indicator	0	0	○*5	0	0	○*5	0
	Hall Position Indicator	0	0	0	0	0	0	0
	Car Arrival Chime	0	0	0	0	0	0	0
	Bleep Button	0	0	0	0	0	0	0

\*1 Not applicable to 2-Gate Model.

\*2 When 100mm Higher Car Ceiling Height and Entrance Height (Optional) is applied, Triple Slit Plastic Windows are applied as standard. \*3 Shall be applied for Maisonette residence. Not applicable when travel is over 10m. \*4 3 side handrails (Stainless Steel) is Standard

\*5 Required by Building Standard Law of Japan when travel is over 7m.

NOTE1 No fuse breaker for home elevator shall be inverter compatible model supplied by others. NOTE2 Applicable standard: Building Standard Law of Japan for SVC200D, SVC200S Manufacturer's Standard for SHA240G, SVC260D, SHA300S, SVC280S, SVC260SL