Caring for you, and making you feel comfortable.

HUMAN FRIENDLY

What we are aiming is to fill a building with safe and comfortable products and services, and to make a town even more pleasant for all the people who live, work and visit there. Always caring for you. Always getting close to you. HUMAN FRIENDLY is the R&D concept conveying our thoughts.

@Hitachi Building Systems Co., Ltd.

Contact Address:			

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Creating a New History

Hitachi Group is active in a wide range of business sectors. From the technology and experience built up over many years, come the synergies that feed new innovation.

Hitachi has been developing and manufacturing elevators and escalators since 1920s.

As social demands on elevators change over time, Hitachi's machine room-less elevator model OUG series ON1, developed in Japan, meets the needs of customers in terms of efficiency, safety, comfort, and space savings. Hitachi is creating a new history for elevators, and for your building.



History of Hitachi elevators

•1932•First elevator is delivered: freight elevator for Tokyo Electric Co. •1968•300-m/min. elevator is delivered to Japan's first skyscraper: Kasumigaseki Building. •1991•Power-saving inverter-controlled Ultrahigh-Speed elevator commences operations: Tokyo Metropolitan Government Building No.1. •2003•300-m/min. double-deck elevator is delivered: Roppongi Hills Mori Tower, Tokyo. •2007•480-m/min., 2,850-kg high-rise shuttle elevator is delivered: Tokyo Midtown, Midtown Tower. •2008•World's largest Ultrahigh-Speed double-deck elevator is delivered: Shanghai World Financial Center. •2011•600-m/min. Ultrahigh-Speed elevator for the Middle East: Al Hamra Mixed-Use Complex, Kuwait. •2012•High-Speed, large-capacity elevator providing access to Japan's highest (450 m) observation platform: TOKYO SKYTREE. •2017•The tallest building in Singapore, famous as the winner of the World Architecture News Mixed-Use Award: Tanjong Pagar Centre, Singapore. •2019•Delivery of the Ultrahigh-Speed elevators, with a speed of 1,260 m/min. (21 m/sec.): Guangzhou CTF Finance Centre (530 m), China.



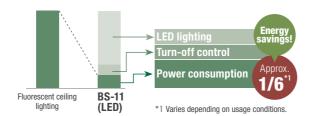
our classifications of value we provide for your building

Energy efficiency

Page 5, 6

Reduced energy consumption with standard specifications

Power consumption can be reduced to approximately 1/6.



LED lighting

Use of LED lighting reduces the energy consumption by approximately 1/4 and its service life is three times longer compared with fluorescent lighting.

Automatic turn-off of car lighting and fan

Standard

When the elevator is idle, the lighting and ventilation fan in the elevator are automatically turned off to conserve energy. Energy consumption is reduced by adopting LED lighting for the ceiling and by shortening the time until the lighting and fan turn off.

Regenerative system

Option

The traction mechanism acts as a power generator and transmits power back to the building electrical network that reduces energy consumption by approximately 30%.

With regenerative Energy savings!

*2 Effectiveness during normal operation. Differs depending on usage conditions.

Comfort

Page 7, 8

Improved riding comfort

Motor control and vibration-absorbing type guide shoes provide a guiet and smooth ride.

Group control systems

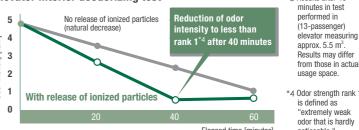
Group control systems provide passengers with appropriate guidance and help reduce the probability of long waits.

Ion generator



Ion generator works to improve air quality.

Elevator interior deodorizing test*3



approx. 5.5 m³. Results may differ from those in actual usage space. *4 Odor strength rank 1

is defined as odor that is hardly

Safety &

Door signal with multi-beam door sensor

Option

Door signal that tells when the door is going to close for enhanced safety.



Micro-leveling

Standard

Automatically corrects the elevator landing level when there is a level difference between car and floor.

Automatic rescue device for power failure

- Testing organization: Hitachi Power Solutions Co., Ltd. Testing method: Verification using six-rank odor intensity indication method in passenger elevator with 13-person capacity Deodorizing method: Release of ionized particles Subject: Methyl mercaptan was released and the change in its concentration was measured

> When a power failure is detected, the drive power supply switches over to battery power, and the elevator automatically moves to the nearest floor and releases the passengers.

Emergency

Page 9, 10

LCD indicators

In-car indicator and hall indicator with color LCD are available. They provide a quick overview of the operating status.

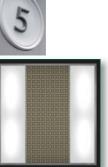


Hall LCD

Car and hall designs

Select the most suitable design from the options available, including ceiling and 3 side walls designs created by Hitachi's designers to match a variety of building types.





Design

Page 11, 12

4 0UG-0N1

Lnergy efficiency

LED lighting

By adopting LED lighting for all ceiling designs, energy consumption is reduced and service life is prolonged compared with fluorescent lighting.





Power consumption approx. 1/3

that of fluorescent lighting Employs LED lighting with

approx. **3X***2 longer service life.

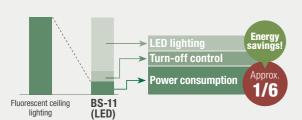
Power	lighting		BS-11 (LED)	
consumption	69 W		23 W* ³	
Service life	Approx. 12,000 hours		Approx. 40,000 hours*4	

By changing the time until the lighting turns off during standby from three minutes to one minute...

Power consumption can be reduced to approx. 1/6

Annual	Fluorescent ceiling lighting		BS-11 (LED)
illumination duration	Approx. 3,000 hours		Approx. 1,500 hours*5
Annual power consumption	Approx. 207 kWh/year	•	Approx. 35 kWh/year

•Reduction of power consumption



- Power consumption approx. 1/6 that of fluorescent lighting **Employs LED lighting with**
- approx. **3X***2 longer service life.

Power	lighting	SL-11 (LED)
consumption	207 W	33 W*3
Service life	Approx. 12,000 hours	Approx. 40,000 hours*4

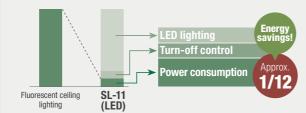
By changing the time until the lighting turns off during standby from three minutes to one minute...

Fluorescent ceiling

Power consumption can be reduced to approx. 1/12

Annual	lighting		SL-11 (LED)
illumination duration	Approx. 3,000 hours		Approx. 1,500 hours*5
Annual power consumption	Approx. 621 kWh/year		Approx. 50 kWh/year

•Reduction of power consumption



- *1 These ceilings are not compliant with EN81-20/50 and SS550. In case of EN81-20/50, they can be used if the customer agrees.
 *2 Comparison with 10-passenger model with fluorescent ceiling lighting. Results may differ depending on ceiling configuration and dimensions.
 *3 Power consumption of fixture including lighting power supply.
- *4 Rated service life of fixture including lighting power supply. Actual service life may vary depending on usage conditions.
- *5 Varies depending on usage conditions

Automatic turn-off of car lighting and fan

Standard

When the elevator is idle, the lighting and ventilation fan in the elevator are automatically turned off to conserve energy. Energy consumption is reduced by adopting LED lighting for the ceiling and by shortening the time until the lighting and fan turn off.

Regenerative system

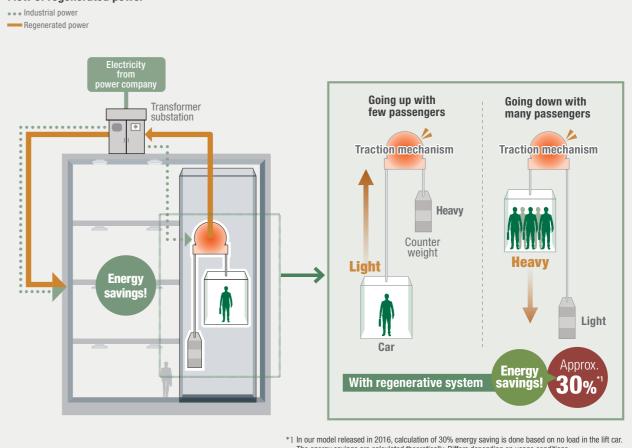




Making use of the energy generated by the elevator when traveling downwards with a heavy car load or upwards with a light car load, the traction mechanism acts as a power generator and transmits power back to the electrical network in the building.

Flow of regenerated power





The energy savings are calculated theoretically. Differs depending on usage conditions

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Lomfort

FI-600 Group control system

Group control systems help reduce waiting time.

Shortening average waiting times and reducing the probability of a long wait*1 are the most important tasks of the group control system of an elevator. Hitachi continues to develop control algorithms to meet these needs. The FI-600 employs a new type of algorithm, future reference trajectory control. It helps reduce the probability of long waits.

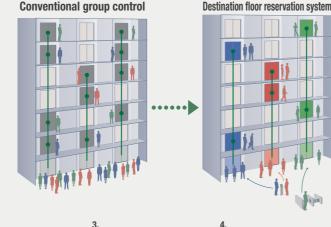
*1 "Long wait" refers to a waiting time of over 60 seconds.

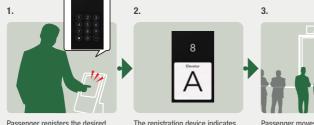
Summary of future reference trajectory control FI-600 Controls while forecasting future traiectory

FIBEE Destination floor reservation system

FIBEE leads passengers more reliably to their destination floors.

Hitachi has added a destination floor reservation system to the group control system. After each passenger registers their destination floor at the hall, they are informed ahead of time of the elevator they should use. This helps to reduce congestion in the hall.





Passenger registers the desired destination floor through the registration device

The registration device indicates



Passenger moves to the front of

Passenger enters the elevator and

Destination floor registration device

Using elevators with FIBEE







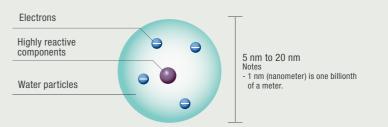
lon generator



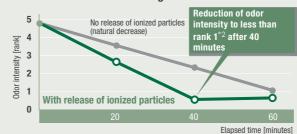


Ion generator improves air quality.

An ion generator manufactured in Japan is mounted on top of the car. Nano-sized electrostatic atomized water particles work to improve air quality.



Elevator interior deodorizing test*



- *1 Results after 40 minutes in test performed in (13-passenger) elevator measuring
- approx. 5.5 m³. Results may differ from those in actual usage space.
 *2 Odor strength rank 1 is defined as "extremely weak odor that is hardly noticeable."

Testing organization: Hitachi Power Solutions Co., Ltd. Testing method: Verification using six-rank odor intensity indication method in passenger elevator with 13-person capacity Deodorizing method: Release of ionized particles Subject: Methyl mercaptan was released and the change in its concentration was

About ionized particles

The ionized particles released into the air come into contact with odor molecules and the OH radicals break down substances that cause odor. Also, the ionized particles come into contact with allergens (pollen and mites), bacteria, and viruses, and viruses, and the OH radicals denaturize their protein and suppress them.

1. Testing organization: Panasonic Corporation Product Analysis Center. Testing method: Direct exposure in 250-liter test space and verification using six-rank odor intensity indication method. Deodorizing method: Release of ionized particles. Subject: Accumulated cigarette odor. Test result: Odor intensity reduction of 0.8 after 30 minutes. Test number: E02-090313MH-01 2. Testing organization: Panasonic Corporation Product Analysis Center. Testing method: Direct exposure in 45-liter test space and measurement using ELISA method. Suppression method: Release of ionized particles. Subject: Allergen (pollen). Test result: Over 99% suppression after two hours. Test number: E02-080303IN-03 3. Testing organization: Panasonic Corporation Product Analysis Center. Testing method: Direct exposure in 45-liter test space and measurement using ELISA method. Suppression method: Release of ionized particles. Subject: Allergen (mites). Test result: Over 98% suppression after two hours. Test number: E02-080204IN-02 4. Testing organization: Kitasato Research Center for Environmental Science. Testing method: Direct exposure in 1-square-meter test vessel and measurement of bacteria count. Suppression method: Release of ionized particles. Subject: Airborne bacteria. Test result: Over 99% suppression after 20 minutes. Kitasato Biogenetic: 20_0154_1. Test performed for one type of bacteria only. 5. Testing organization: Kitasato Research Center for Environmental Science. Testing method: Direct exposure in 1-square-meter test vessel and measurement of virus count. Suppression method: Release of ionized particles. Subject: Airborne virus. Test result: Over 99% suppression after 90 minutes. Kitasato Biogenetic: 20_0154_1. Test performed for one type of virus only.

- The ionized particles suppress viruses, etc., but they are not guaranteed to prevent infection.
- The ion generator is not available in the following cases: (1) When the ceiling is supplied by the customer.
- (2) When the car internal depth is 1.250 mm or less.

Improved riding comfort



Measures such as control to suppress motor vibration and vibration-absorbing type guide shoes are utilized. These reduce noise and vibration when the elevator is in motion for a smooth and quiet ride.

OUG-ON1 8 0UG-0N1

Safety & Emergency

Door signal with multi-beam door sensor (Closing door alert)

The door signal flashes to notify passengers when the door is starting to close.

The multi-beam door sensor is backed by a door signal that notifies passengers when the door is going to close. The LED on the edge of the door starts to blink about one second before the door starts to close. If the door close button in the elevator car is pressed, the LED starts blinking at the same time as the door starts to close.





Illustration shows simulated view of heams

Micro-leveling

Standard

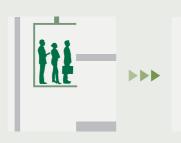
Automatic correction of elevator landing level when there is a level difference between car and floor. This improves safety when getting on and off the elevator.

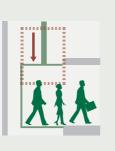
Automatic rescue device for power failure



In a power failure, the elevator switches to battery operation, and moves to the nearest floor.

When a power failure is detected, the drive power supply switches over to battery power, and the elevator automatically moves to the nearest floor and releases the passengers for safety. This lessens the worry of being trapped in the elevator that has stopped due to a power outage in a building with no private generator equipment.



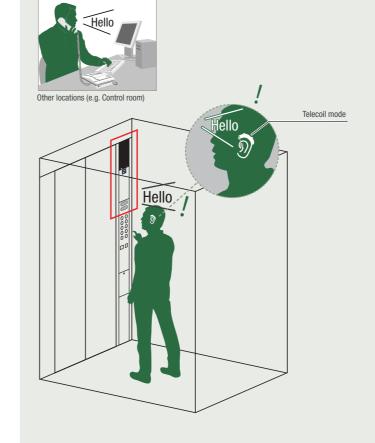


Induction loop for hearing devices

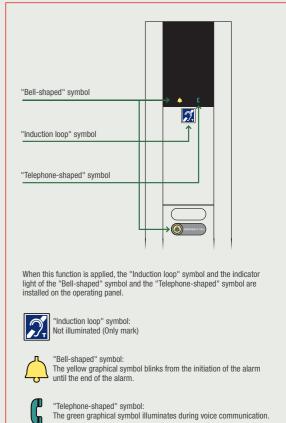


This function allows passengers with impaired hearing to use the elevator with confidence. If it is necessary to use the intercom in the elevator to communicate with people at other locations in an emergency, the passenger can select the "Telecoil mode" on their hearing aid or cochlear implant to have the audio signal from the intercom conveyed to them directly. The induction loop for hearing devices is an auxiliary device of the intercom that outputs audio signals magnetically, separately from the usual audio output. The induction loop for hearing devices covers an effective range of 0.5 meters from the operating panel, between 1.2 to 1.7 meters above the floor. Operating panel equipped with this function bears the "Induction loop" symbol.

Induction loop for hearing devices-Other locations



Operating panel with induction loop for hearing devices



- An induction loop for hearing devices is used in combination with EN81-20/50.

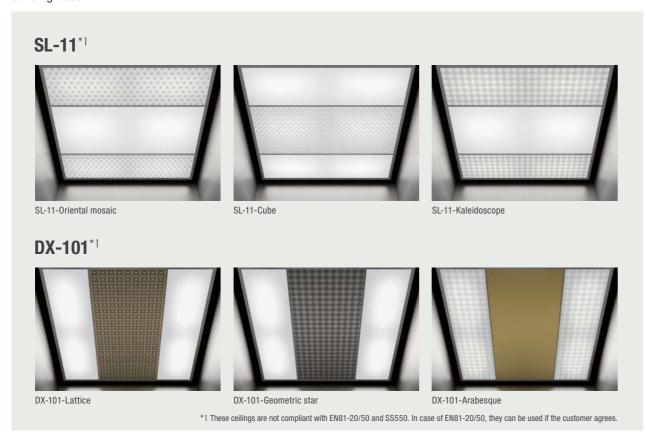
OUG-ON1 10 OUG-0N1

Design

Ceiling designs (Silkscreen print)

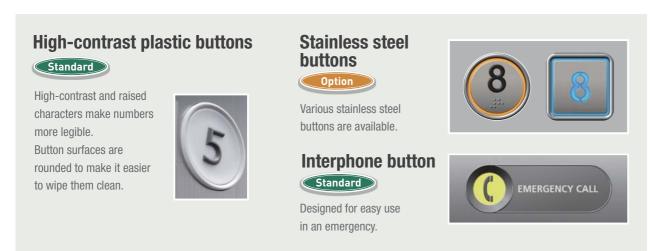


By applying silk screening to the ceilings of SL-11 and DX-101, Hitachi ceiling designs coordinate your elevator with the building decor.



Button designs

A wide range of buttons harmonizes with various building designs.



In-car LCD indicator



The LCD indicator makes it easy to find necessary information.

An in-car indicator with an 8.4-inch color LCD is available. The LCD with wide angle improves visibility. It displays indications of the operating status, such as earthquake emergency operation, to the user.

个 3

Next 5th floor

Crowded.

Please clear the

Overloaded.

Door opening time has been extended

Door prolong*1







Black

Blu





^{*1} Display indications regarding operation during earthquakes, etc., require that the corresponding functions be installed.

Hall LCD indicator

Next 5th floor

Floor indication



The hall LCD indicator displays abundant information in the hall.

A hall indicator with a 6.2-inch color LCD is available. Like the in-car LCD indicator, it displays indications of the operating status.





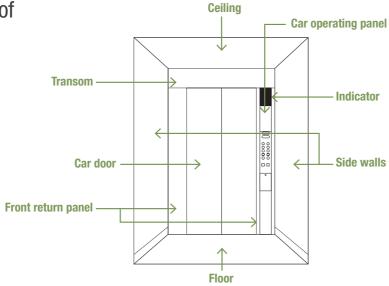
*2 Display indications regarding operation during earthquakes, etc., require that the corresponding functions be installed.

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Mecommended designs

Car designs

Choose from a wide range of design options to create an elevator look that matches your building.



Recommended designs Samples of designs created by a designer.





Stylish design (for office)

otymon do	bigii (ioi oilioc)
Specifications	
Ceiling	SL-series (SL-11-Kaleidoscope)*1
3 side walls	Decorated steel (Minamo white)
Car door	Decorated steel (Minamo white)
Front return panel/Transom	Stainless steel hairline
Floor	Vinyl tile (S 442M)*2
Indicator	LCD (8.4-inches)
Car operating panel	Stainless steel hairline

*] These ceilings and LPS are not compliant with EN81-20/50 and SS550. In case of EN81-20/50, they can be used if the customer agrees.

OUG-0N1 13 14 OUG-0N1

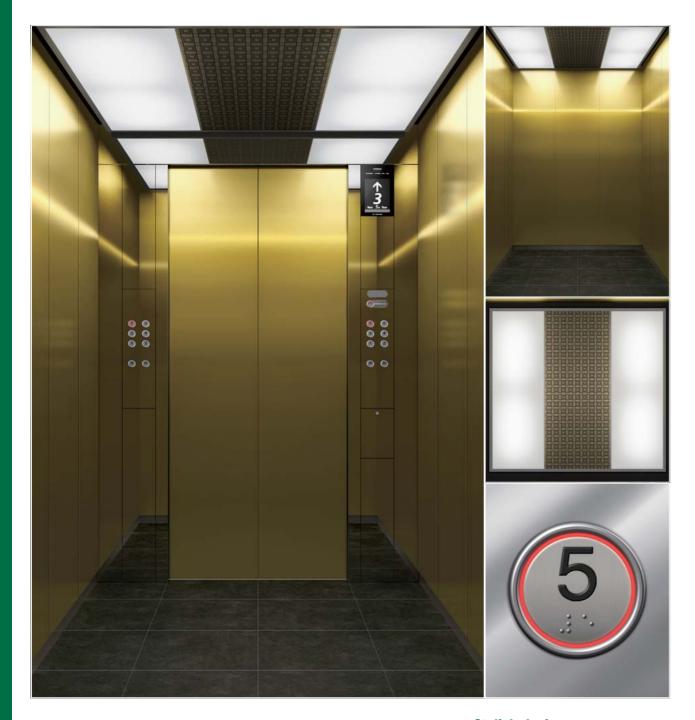
⁻ Illustrations show simulated views of elevator interiors.

⁻ indistrations show simulated views or elevator interiors.

Actual illumination brightness and colors may differ.

*1 The ceiling is not compliant with EN81-20/50 and SS550. In case of EN81-20/50, it can be used if the customer agrees.

*2 The tile is not compliant with SS550.



	gra (ioi commorciai zanamg)
Specifications	
Ceiling	DX-series (DX-101-Lattice)*1
3 side walls	Colored stainless steel hairline
Car door	Colored stainless steel hairline
Front return panel/Transom	Stainless steel mirror
Floor	Vinyl tile (S 672M)*2
Indicator	LCD (8.4-inches)
Car operating panel	Stainless steel mirror

- Notes
 Illustrations show simulated views of elevator interiors.
 Actual illumination brightness and colors may differ.
 *1 The ceiling is not compliant with EN81-20/50 and SS550. In case of EN81-20/50, it can be used if the customer agrees.
 *2 The tile is not compliant with SS550.





Chic design (for residential building)

Specifications	
Ceiling	SL-series (SL-12)
3 side walls	Decorated steel (Mocha wood)
Car door	Decorated steel (Mocha wood)
Front return panel/Transom	Stainless steel hairline
Floor	Vinyl tile (S 673M)*1
Indicator	LCD (8.4-inches)
Car operating panel	Stainless steel hairline



Specifications	
Ceiling	DX-series (DX-11)
3 side walls	Laminated plastic sheet (5261NT)*2
Car door	Colored stainless steel hairline
Front return panel/Transom	Colored stainless steel hairline
Floor	Vinyl tile (S 671M)*1
Indicator	LCD (8.4-inches)
Car operating panel	Colored stainless steel hairline
Notes	

- Notes
 Illustrations show simulated views of elevator interiors.
 Actual illumination brightness and colors may differ.
 *1 The tile is not compliant with SS550.
 *2 The LPS is not compliant with EN81-20/50 and SS550. In case of EN81-20/50, it can be used if the customer agrees.

Stylish design (for commercial building)

•	
Specifications	
Ceiling	DX-series (DX-101-Lattice)*1
3 side walls	Colored stainless steel hairline
Car door	Colored stainless steel hairline
Front return panel/Transom	Stainless steel mirror
Floor	Vinyl tile (S 672M)*2
Indicator	LCD (8.4-inches)
Car operating panel	Stainless steel mirror





Luxurious design (for commercial building)

Specifications	
Ceiling	EX-series (EX-11)*1
3 side walls	Decorated steel (Craft wood)
Car door	Stainless steel non-directional hairline
Front return panel/Transom	Stainless steel non-directional hairline
Floor	Vinyl tile (S 629M)*2
Indicator	LCD (8.4-inches)
Car operating panel	Stainless steel non-directional hairline
	· · · · · · · · · · · · · · · · · · ·

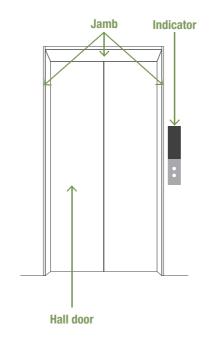


Luxurious design (for hotal)

Specifications	
Ceiling	DX-series (DX-104)
3 side walls	Decorated steel (Mocha wood)
Car door	Colored stainless steel hairline
Front return panel/Transom	Colored stainless steel hairline
Floor	Vinyl tile (S 444M)*2
Indicator	LCD (8.4-inches)
Car operating panel	Colored stainless steel hairline

- Illustrations show simulated views of elevator interiors.
 Actual illumination brightness and colors may differ.
 The ceiling is not compliant with EN81-20/50 and SS550.
 In case of EN81-20/50, it can be used if the customer agrees.
- *2 The tile is not compliant with SS550.

Hall designs







AS-1X (2PCO) Jamb: Stainless steel hairline Hall door: Stainless steel hairline Indicator: Dot-matrix





Hall door: Stainless steel hairline Indicator: Dot-matrix







Hall door: Stainless steel hairline etching (SD-1038) Indicator: LCD





SL-2X (2PC0) Jamb: Stainless hairline Hall door: Stainless steel hairline Indicator: LCD



TL-2X (2PC0)

Jamb: Stainless steel hairline Hall door: Stainless steel hairline **Indicator:** LCD



Notes
- Illustrations show simulated views of elevator interiors. Actual illumination brightness and colors may differ.

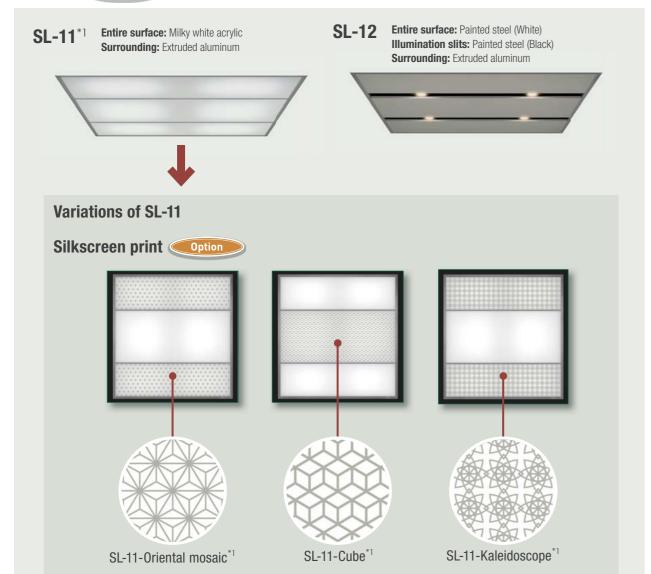
Ceilings and **H**andrails

Ceilings





Select Option



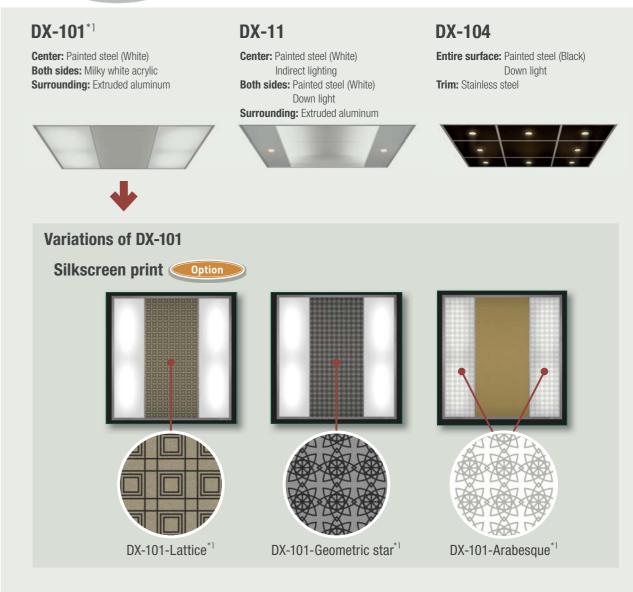
- It is also possible to use ceiling materials supplied and installed by the customer
- This aids possible to desice the property of the customer.

 Depending on applicable regulations, car top emergency trap door may be required.

 1 These ceilings are not compliant with EN81-20/50 and SS550. In case of EN81-20/50, they can be used if the customer agrees.

*2 For some car sizes, there are two milky white acrylic options.

Deluxe Option



Premium Option



EX-11*1 Entire surface: Glass fiber cloth

- It is also possible to use ceiling materials supplied and installed by the customer.

 Depending on applicable regulations, car top emergency trap door may be required.

 *| These ceilings are not compliant with EN81-20/50 and SS550. In case of EN81-20/50, they can be used if the customer agrees.

Handrails Option

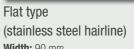


(stainless steel hairline) Diameter: 32 mm Width: 90 mm



Flat type Width: 90 mm





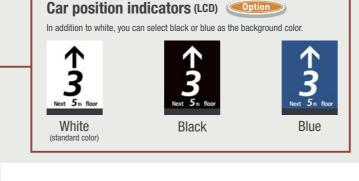


(stainless steel hairline) Width: 50 mm

- Illustrations show simulated views of handrail designs. Actual illumination brightness and colors may differ

Car operating panels





Horizontal operating panels

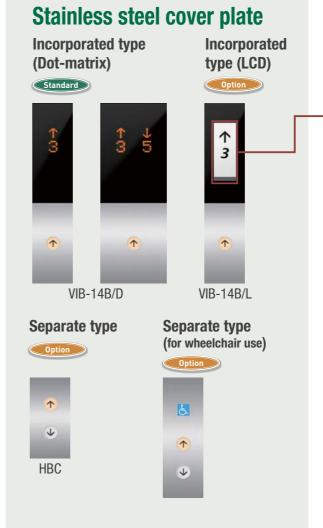


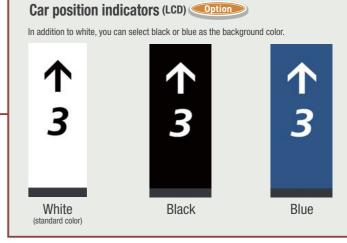
Car button types



 st] Illumination colors are only applicable for stainless steel hairline buttons.

Hall operating panels

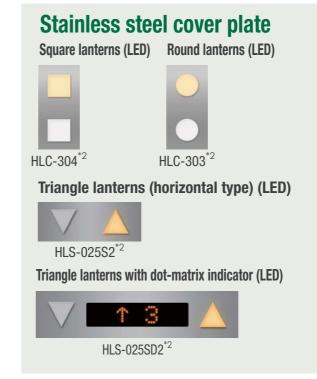




Horizontal indicators



Hall lanterns Option



Hall button types



- *1 The LCD backlight can be changed from white to black or blue. (Standard color: White)
- *2 Stainless steel non-directional hairline cover is available. (Option)
 The lantern illumination color can be changed to white. (Standard illumination color: Umber)
- *3 Illumination colors are only applicable for stainless steel hairline buttons.

^{*2} Only circular interphone buttons are available. Other specifications (illumination color, Braille, etc.) of the interphone button change according to each floor button. Please consult Hitachi or a local agent if other specifications are required

S 673M*4

P 0803*





Stainless steel











Stainless steel





- It is also possible to use floor materials supplied by the customer.

 The colors printed in the catalog may differ slightly from the actual colors.

 1 SUS430 (Standard), SUS304 (Option)

 2 These LPS are not compliant with EN81-20/50 and SS550. In case of EN81-20/50, they can be used if the customer agrees.
- *3 These vinyl tiles are not compliant with SS550. *4 These vinyl tiles are compliant with EN81-20/50.
- *5 These vinyl tiles are not compliant with EN81-20/50, but they can be used if the customer agrees.
- *6 Stainless steel hairline etching and mirror etching can only be applied to SL-2X and TL-2X.

0UG-0N1 23 24 OUG-0N1

Design variations

Car design variations

●: Standard / ◎: Option

Ceiling Sandrad (85-11) Sack	No.	Item			Finishes / Types	
Select (SL-11)*2 (SL-11-Oriental mosaic)*2 (SL-11-Oube)*2 (SL-11-Valeidoscope)*3 (SL-12)					· · · · · · · · · · · · · · · · · · ·	Passenger Service
Delixe (DX-101)**2 (DX-101-Lattice)**2 (DX-101-Geometric stary**2 (DX-101-Arabesque)**2 (DX-11) (DX-104)		Ceiling*				
Deluxe (DX-101)** (DX-101-Latico)** (DX-101-Latico)** (DX-101-Sepnetric stap)** (DX-101-Ambesque)** (DX-11) (DX-104)						0
Stainless steel harline Colored stainless steel harline (Sold, Bronze, Black) Colored stainless steel harline etching Colored stainless steel harline etching (Sold, Bronze, Black) Stainless steel harline etching (Sold, Bronze, Black) Colored stainless steel harline etching (Sold, Bronze, Black) Colored stainless steel mirror (Sold, Bronze, Black) Colored stainless steel mirror (Sold, Bronze, Black) Colored stainless steel mirror etching (Sold, Bronze, Black) Colored stainless steel harline Colored stainless steel harline (Sold, Bronze, Black) Colored stainless steel harline	3	Coming			Deluxe (DX-101)*2 (DX-101-Lattice)*2 (DX-101-Geometric star)*2 (DX-101-Arabesque)*2 (DX-11) (DX-104)	0
Colored stainless steel harfine (Gold, Bronze, Black) Stainless steel harfine etching (Gold, Bronze, Black) Gar door / 3 side walls Colored stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror etching Colored stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror etching Colored stainless steel harfine Colored stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror Colored stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror Colored stainles	4				Premium (EX-11)*2	0
Stainless steel hardine etching (Gold, Bronze, Black) Stainless steel mirror (Gold, Bronze, Black) Car door / 3 side walls Stainless steel mirror (Gold, Bronze, Black) Colored stainless steel mirror etching (Gold, Bronze, Black) Colored stainless steel hardine etching (Gold, Bronze, Black) Colored stainless steel hardine etching (Gold, Bronze, Black) Colored stainless steel mirror etching (Gold, Bronze, Black)	5				Stainless steel hairline	•
Colored stainless steel hairline etching (Gold, Bronze, Black) Car door / 3 side walls Car door / 3 side wall wall wall wall wall wall wall wal	6				Colored stainless steel hairline (Gold, Bronze, Black)	0
Stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror etching (Gold, Bronze, Black) Stainless steel produced	7				Stainless steel hairline etching	0
Colored stainless steel mirror (Gold, Bronze, Black) Colored stainless steel mirror etching (Gold, Bronze, Black) Colored stainless steel harifine etching (Gold, Bronze, Black) Colored stainless steel harifine etching (Gold, Bronze, Black) Colored stainless steel harifine etching (Gold, Bronze, Black) Colored stainless steel mirror (Gold, Bronze, Black) Colored stainless steel mirror etching (Gold, Bronze, Bl	8				Colored stainless steel hairline etching (Gold, Bronze, Black)	0
Stainless steel mirror etching Colored stainless steel mirror etching (Gold, Bronze, Black) Stainless steel nor-directional hairline Decorated steel*3 Laminated plastic sheef* or "C1770UN) (2726NT) (5261NT) (7171UN) (7158UN) (7157UN) (0869NT) (8834NT) Rust proof coating steel Stainless steel nor-directional hairline Colored stainless steel hairline (Gold, Bronze, Black) Stainless steel hairline (Gold, Bronze, Black) Stainless steel hairline etching Colored stainless steel hairline etching (Gold, Bronze, Black) Stainless steel hairline etching Colored stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror etching (Gold, Bronze, Black) Stainless steel mort-directional hairline Gold, Bronze, Black) Stainless steel mirror etching (Gold, Bronze, Black) Gold Bro	9				Stainless steel mirror	0
Scales Seed mirror etching (Gold, Bronze, Black) Colored stainless steed mirror etching (Gold, Bronze, Black) Stainless steel mirror etching (Gold, Bronze, Black) Colored stainless steel hairline Colored stainless steel mirror Colored stainless Colored stainless Colored stainless Colored stainless Colored stainless Colored stainless C	10				Colored stainless steel mirror (Gold, Bronze, Black)	0
Stainless steel non-directional hairline Decorated steel* Decora	11	Car door / 3 sid	le walls		Stainless steel mirror etching	0
Decorated steel*3 Laminated plastic sheet*4*5 (7170UN) (2726NT) (5261NT) (7171UN) (7158UN) (7157UN) (0869NT) (8834NT) Rust proof coating steel Stainless steel hairline (Sold, Bronze, Black) Stainless steel hairline (Sold, Bronze, Black) Stainless steel hairline (Sold, Bronze, Black) Stainless steel hairline etching Colored stainless steel hairline (Sold, Bronze, Black) Stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror etching (Gold, Bronze, B	12				Colored stainless steel mirror etching (Gold, Bronze, Black)	0
Laminated plastic sheet* 4*5 (7170UN) (2726NT) (5261NT) (7171UN) (7158UN) (7157UN) (0869NT) (8834NT)	13				Stainless steel non-directional hairline	0
Rust proof coating steel Rust proof coating steel	14				Decorated steel*3	0
Rust proof coating steel Rust proof coating steel	15					0
Stainless steel hairline Colored stainless steel hairline (Gold, Bronze, Black) Stainless steel hairline etching Colored stainless steel hairline etching Colored stainless steel mirror Colored stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror etching Colored stainles						
18 19 Colored stainless steel hairline (Gold, Bronze, Black) Stainless steel hairline etching Colored stainless steel hairline etching Colored stainless steel hairline etching (Gold, Bronze, Black) Stainless steel mirror Colored stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror etching Colored stainless steel mirror etching Gold, Bronze, Black) Stainless steel mirror etching Gold, Bronze, Black) Colored stainless steel mirror etching Gold, Bronze, Black) Stainless steel mirror etching Gold, Bronze, Black) Colored stainless steel mirror etching Gold, Bronze, Black Colored stainless steel mirror etching Gold, Bronze, Black Colored sta	_					
Stainless steel hairline etching (Gold, Bronze, Black)						
Colored stainless steel hairline etching (Gold, Bronze, Black)						
Stainless steel mirror						
Colored stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror etching Colored stainless steel mirror etching Colored stainless steel mirror etching Colored stainless steel mirror etching Gold, Bronze, Black) Colored stainless steel mirror etching Gold, Bronze, Black) Colored stainless steel mirror etching Gold, Bronze, Black) Colored stainless steel nirror etching Gold, Bronze, Black Colored stainless Co						
Stainless steel mirror etching Colored stainless steel mirror etching (Gold, Bronze, Black) Stainless steel non-directional hairline Decorated steel 3		Front well and	trancom			
Colored stainless steel mirror etching (Gold, Bronze, Black) Stainless steel non-directional hairline Decorated steel*		Front Wall and	transom			
Stainless steel non-directional hairline Decorated steel 3					ŭ	
Decorated steet 3 Rust proof coating steet						
Rust proof coating steel						
Stainless steel hairline Stainless steel hairline Stainless steel hairline Stainless steel hairline Stainless steel non-directional hairline Stainless steel Sta						0
Stainless steel Stainless					, ,	0
Sill		Kick plate				
Stainless steel	_					0
Second Floor*1*6 Compliant with EN81-20/50*7 Vinyl tile (S 442M) (S 649M) (S 670M) (S 671M) (S 672M) (S 673M)		Sill				0
Not compliant with EN81-20/50'8 Vinyl tile (P 0803) (P 0807)						0
Not compliant with ENR1-20/50 or Vinyl file (P 0803) (P 0807)	32	Floor*1 *6	Complian	t with EN81-20/50*/	Vinyl tile (S 442M) (S 444M) (S 629M) (S 670M) (S 671M) (S 672M) (S 673M)	•
The image of the	33		Not compli	ant with EN81-20/50*8	Vinyl tile (P 0803) (P 0807)	•
Handrail	34				Diameter: 32 mm (one row)	0
Handrail Handrail Hairline Hairline Wildth: 90 mm (two rows) Width: 90 mm (two rows)	35			.4.:	Width: 50 mm (one row)	0
Width: 90 mm (two rows) Width: 90 mm (two rows)	36	Handrail	idrail Flat		Width: 90 mm (one row)	0
38 39 39 30	37			1100	IIIIIIIII	Width: 90 mm (two rows)
Width: 90 mm (two rows) (a)	38	туре		Width: 90 mm (one row)	0	
41 42 Car operating panel Horizontal Horizontal for wheelchair Vertical Vertical LCD indicator (OPV/L, OPW/L) (White, Black, Blue) Without indicator Dot-matrix indicator Without indicator Oot-matrix indicator Oot-matrix indicator Oot-matrix indicator	39		alu		Width: 90 mm (two rows)	0
41 42 43 44 45 Car operating panel	40		Vertical" ⁹		Dot-matrix indicator (OPV/D, OPW/D)	•
42 Car operating panel Horizontal Without indicator Dot-matrix indicator Graph of the content of th	41	verucal /		•	LCD indicator (OPV/L, OPW/L) (White, Black, Blue)	0
43 panel Dot-matrix indicator (i)	42	- · · HORIZONTAL		al		0
44 Horizontal for wheelchair Without indicator (c) 45 Dot-matrix indicator (c)	43	panel	ווטבווטוונ	aı	Dot-matrix indicator	0
45 wheelchair Dot-matrix indicator	44	4 1		al for	Without indicator	0
	45			air	Dot-matrix indicator	0
Stainless steel nairline	46	Car operating panel cover plate			Stainless steel hairline	•
47 Car operating panel cover plate Stainless steel mirror	47			er plate	Stainless steel mirror	0
Stainless steel non-directional hairline (48				Stainless steel non-directional hairline	0
49 Plastic (P14F-UL)	49	D. H			Plastic (P14F-UL)	•
50 Button type Stainless steel hairline*10 (UB15R-1) (UB15R-2) (UB15R-3) (UB15R-4) (UB15S-1) (UB15S-3) (UB15S-3) (UB15S-3) (UB15S-3)	50	Button type	Button type		Stainless steel hairline*10 (UB15R-1) (UB15R-2) (UB15R-3) (UB15R-4) (UB15S-1) (UB15S-2) (UB15S-3) (UB15S-4)	0

- *1 It is also possible to use materials supplied and installed by the customer.

 *2 These ceilings are not compliant with EN81-20/50 and SS550. In case of EN81-20/50, they can be used if the customer agrees.

 *3 Decorated steel is available in the following cases:

 (1) Ceiling height (CH) with respect to each ceiling type:

 BS-11, BY OTHERS: CH ≤ 2,300 mm

 SL-11, 12, DX-11, 101: CH ≤ 2,250 mm

 DX-104, EX-11: Not available

 (2) Entrance height (EH) ≤ 2,100 mm

 *4 The LPS comes with a stainless steel hairline trim edge

- (2) Entrance neight (En) ≤ 2,100 mm

 *4 The LPS comes with a stainless steel hairline trim edge.

 *5 These LPS are not compliant with EN81-20/50 and SS550. In case of EN81-20/50, they can be used if the customer agrees.

 *6 These vinyl tiles are not compliant with SS550.

 *7 These vinyl tiles are compliant with EN81-20/50.

- *8 These vinyl tiles are not compliant with EN81-20/50, but they can be used if the customer agrees.

 *9 Depending on the size of the car, may be mounted on a side wall.

 *10 The available button illumination colors are yellow, red, white, and blue.

Hall design variations

●: Standard / ◎: Option

o. Item		Finishes / Types	Passenge Service
		AS-1X	
<u> </u>		SS-1X	0
Jamb type		TS-1X	0
		SL-2X	0
		TL-2X	0
i		Stainless steel hairline	
		Colored stainless steel hairline	
. . .		Stainless steel mirror	0
Jamb finish		Colored stainless steel mirror	0
_			
0		Stainless steel non-directional hairline	
1		Rust proof coating steel	0
2		Stainless steel hairline	•
3		Colored stainless steel hairline (Gold, Bronze, Black)	0
1		Stainless steel hairline etching	0
5		Colored stainless steel hairline etching (Gold, Bronze, Black)	0
Transom finish		Stainless steel mirror	0
		Colored stainless steel mirror (Gold, Bronze, Black)	0
		Stainless steel mirror etching	0
		Colored stainless steel mirror etching (Gold, Bronze, Black)	0
		Stainless steel non-directional hairline	0
ī		Rust proof coating steel	0
2		Stainless steel hairline	•
3		Colored stainless steel hairline (Gold, Bronze, Black)	
1		Stainless steel hairline etching	0
· 5		Colored stainless steel hairline etching (Gold, Bronze, Black)	0
3		Stainless steel mirror	
7 Hall door		Colored stainless steel mirror (Gold, Bronze, Black)	
naii door			
_		Stainless steel mirror etching	
9		Colored stainless steel mirror etching (Gold, Bronze, Black)	0
)		Stainless steel non-directional hairline	0
<u> </u>		Laminated plastic sheet*1 (7170UN) (2726NT) (5261NT) (7171UN) (7158UN) (7157UN) (0869NT) (8834NT)	0
2		Rust proof coating steel	0
Sill		Extruded hard aluminum	
1 3111		Stainless steel	0
5		Stainless steel hairline	
6	Incorporated	Stainless steel mirror	0
7	indicator	Stainless steel non-directional hairline	0
Hall button cover plate		Stainless steel hairline	0
)	Separate indicator	Stainless steel mirror	0
		Stainless steel non-directional hairline	0
·		Stainless steel hairline	
-	Incorporated	Stainless steel mirror	
-	indicator		0
Hall button cover plate for wheelchair use		Stainless steel non-directional hairline Stainless steel heiding	0
_	Separate	Stainless steel hairline Chairless steel mirror	
5	indicator	Stainless steel mirror	0
		Stainless steel non-directional hairline	0
<u>' </u>	Vertical	Dot-matrix	•
Indicator		LCD (White, Black, Blue)	0
0	Horizontal	Dot-matrix (HF-119)	0
		LCD (HF-CL11) (White, Black, Blue)	0
		Stainless steel hairline	0
Horizontal indicator cov	er plate	Stainless steel mirror	0
		Stainless steel non-directional hairline	0
		Plastic (P14F-UL)	
Button type		Stainless steel hairline*2 (UB15R-1) (UB15R-2) (UB15R-3) (UB15R-4) (UB15S-1) (UB15S-2) (UB15S-3) (UB15S-4)	
<u>' </u>		Square lanterns (HLC-304) (Orange, White)	0
-	Vertical		
Lantern		Round lanterns (HLC-303) (Orange, White)	0
3	Horizontal	Triangle lanterns (HLS-025S2)	0
)		Triangle lanterns with dot-matrix indicator (HLS-025SD2)	0
		Stainless steel hairline	
)			
Lantern cover plate		Stainless steel mirror	0

^{*1} The LPS comes with a stainless steel hairline trim edge and cannot be used for the hall door when fire rated doors are required. *2 The available button illumination colors are yellow, red, white, and blue.

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Functions

●: Standard / ◎: Option

	Tagazara				
No.	Name		Description	Passenger Service	
Ope:	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 stays at the last floor served.	0	
3	FIBEE		Allows the passenger to preselect the destination floor on the destination floor panel installed at the landing hall. This reduces button operations to one, improving the operability.	0	
4	Group control	FI-10	This is a simplified group control system used to operate three or four elevators. The system provides a ring control to allocate the elevator car closed to the floor where a new hall call is registered.	0	
5		FI-100	This is a group control system used to operate three to six elevators in a medium-sized building. This control system uses "reference-trajectory control", which is based on the theory used in the highest model of the "future reference-trajectory control".	0	
6		FI-600	This is a group control system used to operate three to eight elevators in a large-sized building. This control system consists of three smart systems; "future reference-trajectory control", "learning system" and "intelligent system".	0	
7	Down collective control		For this system, all floors have "down" call buttons only, except for the stand by floor, where there is "up" call button only. The other operations are the same as in selective-collective and duplex selective-collective operations.	0	
Serv	ice functions				
1	Automatic return function		After all the calls have been served, the elevator will return to the stand by floor for stand by.		
2	Attendant operation		For this system, the stop floor is manually set by an attendant, such as in a department store.	0	
3	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.	0	
4	Parking operation		The elevator can be parked at the parking floor by a key switch.	◎*2	
5	Rush-hour schedule operation		All the elevators will automatically return to the stand by floor, after serving the last call during this preset rush-hour timing.	0	
6	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.	0	
7	Interphone system		An interphone system is provided for emergency communication between the elevator and the master unit in the supervisory panel, etc.	•	
8	Floor lock-out operation		Specific service floors can be locked-out by activating a switch.	0	
9	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.	0	
10	Door nudging operation		When the door has been open for a certain period of time, a buzzer sounds and the door forcibly closes.	0	
	*1 Included in the standard configuration when dupley collective control or group control is selected				

^{*1} Included in the standard configuration when duplex collective control or group control is selected.
*2 Included in the standard specifications for Thailand, Laos, Myanmar, and Cambodia.

	●: Standard / ◎: Option				
No.	Name	Description	Passenger Service		
Safe	iety 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 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	Door safety return system	In the event of door overload, such as when passengers get their fingers, hands or personal belongings caught in the door, this system automatically senses this and either re-closes or re-opens the doors to prevent injury.			
5	Micro-leveling	Automatic correction of elevator landing level when there is a level difference between car and floor.			
6	Car emergency lighting	In the event of a power failure, an emergency light inside the elevator will be automatically activated.			
7	Emergency Battery Operated Power Supply (EBOPS / UPS)*1	In the event of a power failure, this emergency supply allows the operation of a light and alarm bell, etc.	0		
8	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.	•		
9	Door signal with multi-beam door sensor	In addition to the multi-beam door sensor, the safety shoe is equipped with a signal that indicates when the doors are starting to close. (2PCO: Both sides, 2S2P: One side)	0		
10	Door safety edge	Mechanical safety units are installed on both sides (2PCO) or one side (2S2P) of the elevator doors. In the event of passengers coming into contact with the safety edges of closing doors, the doors will immediately reopen.	0		
CCE	essibility				
1	Car floor button flashing	The registered car destination floor button flashes when the car approaches the floor.			
2	Braille plate	Braille plates are fixed next to the operation buttons in the car and hall.	\bigcirc		
3	Sound button	An electronic tone sounds when the buttons are pressed to confirm call registration.			
4	Induction loop for hearing devices*2	This function allows a passenger to select the "Telecoil mode" on their hearing aid or cochlear implant to communicate with people at other locations via the intercom in an emergency. It conveys the audio signal from the intercom directly to the passenger's hearing aid or cochlear implant.	0		
eci	irity functions				
1	Intelligent operation security system by card reader (by others)	This function allows controlled access to certain floor by means of ID cards. Note: ID card-reader system is to be provided and installed by others. Interfacing shall be by means of dry (voltage-free) contacts.	0		
2	CCTV (camera by others, coaxial cable by Hitachi)	This system enables the security personnel to monitor inside the elevator car. This will be effective in preventing criminal and mischievous acts inside the elevator car. (CCTV system, including wiring, is to be supplied by others.)	0		
ıfoı	ormation functions				
1	IC auto announcement (English / Thai / Malay / Mandarin / Cantonese / Portuguese)	Preset standard messages are announced to the passengers.	0		
2	Public address speaker	A speaker for background music and public announcements for the building can be installed in the elevator. (Music and announcement systems, including wiring, are to be provided by others.)	0		
3	Arrival audio signal	An electrical chime (located at the top and bottom of the elevator) will sound just before the arrival of the elevator.	0		
ner	gy-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.	0		
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.	•		

^{*1} EBOPS (UPS) is provided as a standard specification when it is required by regulations.
*2 Induction loop for hearing devices is used in combination with EN81-20/50.

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ser services 1 Observation

18 Switch for door-machine inspection opening A switch stops the elevator when the door of the door-machine inspection opening is opened.

Interfacing to building management This interfacing shall be done by means of electrical dry contact with the building management

20 Electromagnetic compatibility (EMC) Electromagnetic compatibility function in response to EN81-20/50, etc

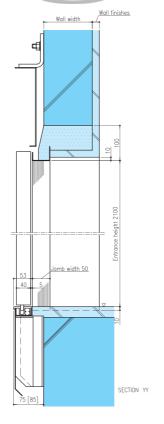
system for their monitoring

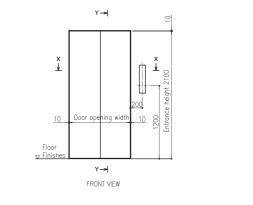
19 Painted equipment inside hoistway Equipment in the hoistway is painted black.

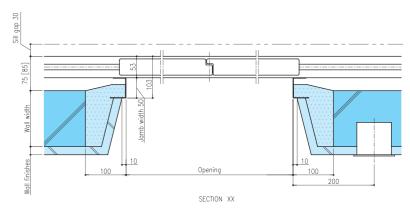
The walls of the elevator are equipped with windows, giving the elevator interior a more open feel.

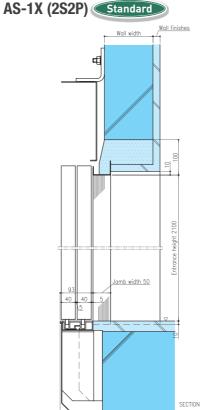
The duration of the door open timing is tailored to usage conditions, substantially improving

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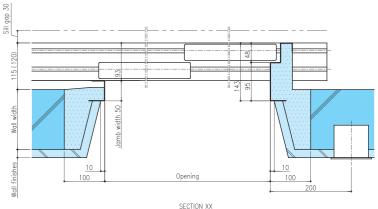










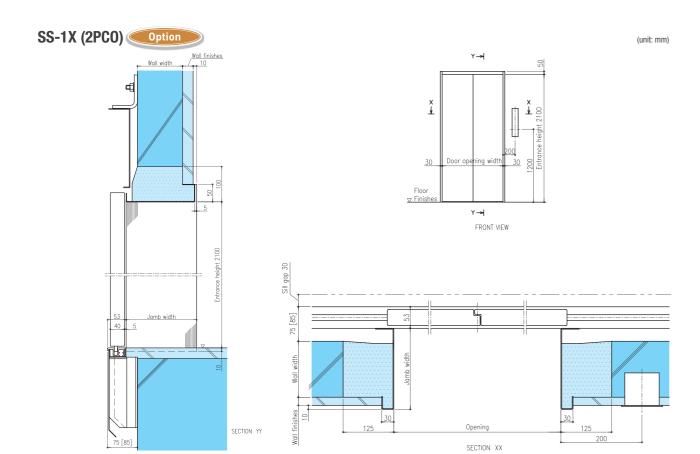


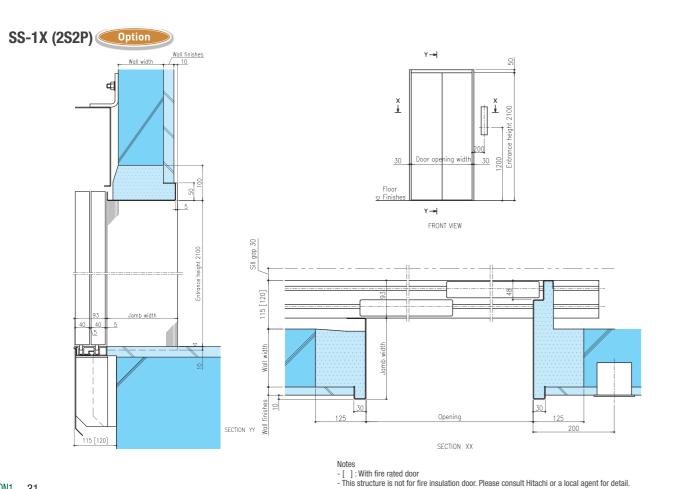
- This structure is not for fire insulation door. Please consult Hitachi or a local agent for detail.

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⁽²⁾ When the car internal depth is 1,250 mm or less. *2 Fire rated door is provided as a standard specification when it is required by regulations.

(unit: mm)





FRONT VIEW iliah

TS-1X (2PCO) Option

TS-1X (2S2P) Option

SECTION XX

Y→

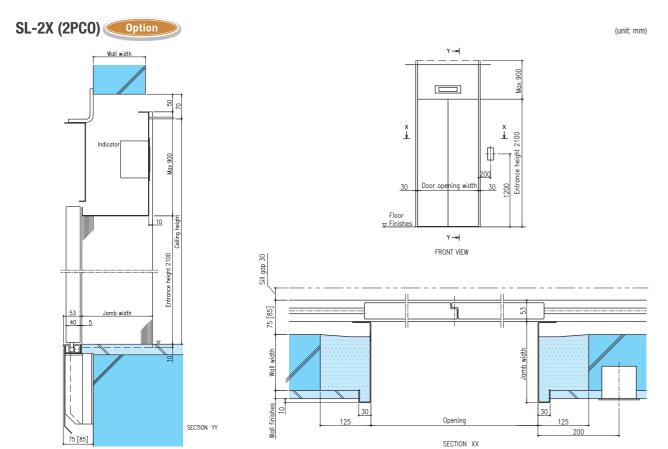
FRONT VIEW

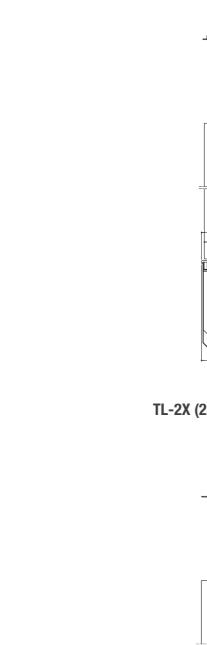
SECTION XX

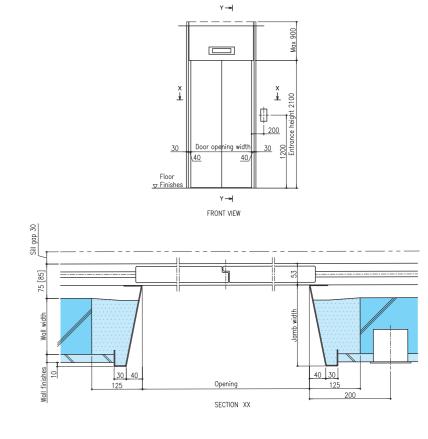
Notes
- []: With fire rated door
- This structure is not for fire insulation door. Please consult Hitachi or a local agent for detail.

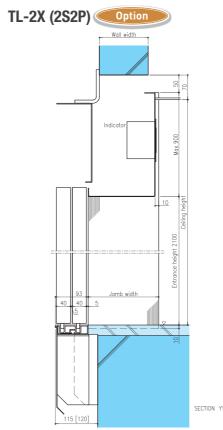
SL-2X (2S2P) Option

(unit: mm)

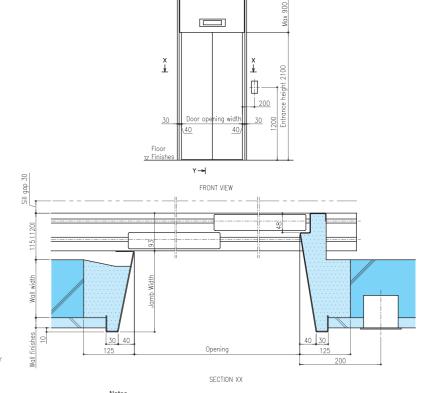








TL-2X (2PCO) Option





Floor Finishes

FRONT VIEW

SECTION XX

This structure is not for fire insulation door. Please consult Hitachi or a local agent for detail.

Notes
- []: With fire rated door
- This structure is not for fire insulation door. Please consult Hitachi or a local agent for detail.

Work to be done by building contractors

The preparatory work for elevator installation outlined in the table below should be undertaken by building contractors in accordance with Hitachi drawings and in compliance with local or relevant codes and regulations.

No.	Items
1	Prepare hoistway with proper framing and enclosure, suitable pit of proper depth with drains and water-proofing if required, and properly lit and ventilated hoistway of adequate size with concrete floors, access doors, ladders and guards as required.
2	Provide and/or cut all necessary holes, chases, openings and finishes after equipment installation.
3	Supply and secure all supports, reinforced concrete slabs, etc., necessary for installation of the machinery, doors, buffers, etc.
4	Furnish all necessary cement and/or concrete for grouting of brackets, bolts, machine beams, etc.
5	Prepare and erect suitable scaffolding and protective measures during work in progress.
6	Furnish mains for three-phase electric power and single-phase lighting supply for car lighting and lift pit and power outlet to the hoistway, following the instructions of the elevator contractor on outlet position and wire size.
7	Provide, free of charge, a suitable theft-proof storage area for materials and tools during erection work.
8	Supply electric power for lighting of work area, installation work, elevator testing and spray painting.
9	Hoisting hook at top of the hoistway.
10	Hoistway ventilation to be provided to maintain the hoistway temperature at below 40°C.
11	Manufacture and installation of separating beam (if necessary).

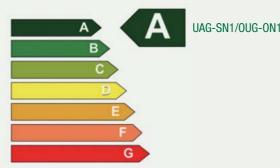
Hitachi Eco-Achievement

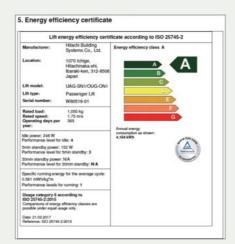
Hitachi's elevators achieved the highest energy efficiency class rating.

ISO 25745 is an international standard for evaluating the energy consumption and classifying the energy efficiency of elevators and escalators. ISO 25745-2 applies to the energy efficiency of elevators. It establishes seven classes, from A to G, with class A representing the highest level of energy efficiency.

Hitachi's UAG-SN1 and OUG-ON1 have achieved the highest rating.

Energy efficiency class A





Model	UAG-SN1/OUG-ON1	UAG-SN1/OUG-ON1
Location	Japan	Japan
Rated load	1,050 kg	1,635 kg
Rated speed	1.75 m/s (105 m/min.)	1.75 m/s (105 m/min.)
No. of stops	4	4
Travel	19.5 m	19.5 m
Operating days per year	365	365
Annual energy consumption	4,184 kWh	4,633 kWh
Usage category	6	5
Classification of lift [A-G]	А	А

Notes

Environmental activities

The Hitachi Group is engaged in environmental initiatives at its factories and offices. Siam Hitachi Elevator Co., Ltd. (Thailand) is working to combat global warming by reducing energy consumption. Lighting in their production facilities areas has been switched to LED lighting, and they have reduced electricity consumption of lighting by approximately 70%.*

 * Assuming the lighting fixtures (approximately 250 fixtures) are used under the same conditions.



Our achievement and future

1262 m/min THE WORLD'S PASTIEST SPEED

The world's fastest elevator

Hitachi's elevator, which was delivered to Guangzhou CTF Finance Centre, a skyscraper complex building in Guangzhou, China, started operation with the speed of 1,260 m/min., the world's fastest* among all elevators operating today. The elevators feature technologies that support safe and comfortable operation, in addition to the drive and control technologies needed to attain the Ultrahigh-Speeds. Hitachi will utilize this achievement for future product development, and strive to offer elevators with higher running quality as well as safety and comfort.

* According to Hitachi's research as of January 2021

Drive and control technologies to attain Ultrahigh-Speed of 1,260 m/min.

Hitachi has developed a permanent magnet synchronous motor that achieves both a thin profile and the high output needed to attain a speed of 1,260 m/min.

Safety features supporting Ultrahigh-Speed elevator operation

Hitachi developed brake equipment using braking materials with outstanding heat resistance to safely stop the elevator car in the unlikely event that a malfunction is detected during Ultrahigh-Speed operation.



Traction mechanism for 1,260 m/min.

Elevators can be used comfortably with safety even over long travel.

Active guide rollers that detect minute warping in the guide rails and lateral vibration due to wind pressure are installed in the four corners (top and bottom, left and right) of the elevator car. This gives passengers a comfortable ride even during high-speed operation.

The sensation of ear blockage is reduced by Hitachi's proprietary air pressure adjustment technology, which reduces the changes in air pressure inside the elevator car that would otherwise be caused by vertical movement through long travel.



Active guide rollers (3D model)

The measured class differs depending on the usage conditions.



Research and development

Modern manufacturing plants in Thailand and Singapore supply valuable products to customers. Equipment is made to the highest standards of quality and reliability on cutting-edge production lines.



Siam Hitachi Elevator Co., Ltd. (Thailand)



Hitachi Elevator Asia Pte. Ltd. (Singapor

Excellence and flexibility in design at manufacturing plants in Thailand and Singapore

The modern manufacturing plant in Thailand and Singapore boasts a complete team of local and Japanese engineers and is geared towards providing maximum flexibility in design and manufacturing to suit customer requirements.

High accuracy and efficiency in planning of equipment layout is made possible by the most advanced CAD systems.

Equipment is made to the highest standards of quality and reliability with modern CNC machinery.



Mito Works, Hitachi, Ltd. (Japan)

An integrated engineering system from development to design and production

Head office, research centers, and plants work closely together to develop new technologies.

Staff throughout the company work together as one team to conduct research and develop technologies.

High performance simulator enhances overall elevator system efficiency.

A high-performance simulator is utilized for all stages of elevator development, from planning through system design. Planning, research and development are carried out according to the results of this statistical analysis.

Cutting-edge CAD/CAM systems

The latest in CAD/CAM systems help us carry out elevator layout and various other design and production steps more quickly and efficiently.