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:	

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





Printed in Japan (H) RE-E223U 0321



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.



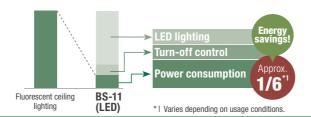
our classifications of value we provide for your building

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

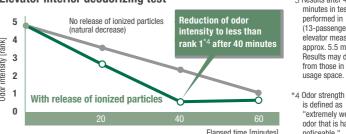
Group control systems provide passengers with appropriate guidance and help reduce the probability of long waits.

Ion generator



Ion generator works to improve air quality.

Elevator interior deodorizing test*3



(13-passenger) elevator measuring 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 & Emergency

Page 9, 10

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.

Design

Page 11, 12

LCD indicators



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



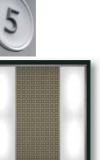
In-car LCD



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.





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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.

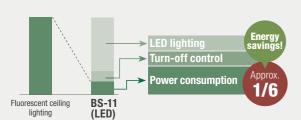
Power	Fluorescent ceiling lighting		BS-11 (LED)	
consumption	69 W		23 W*3	
Service life	Approx. 12,000 hours		Approx. 40,000 hours*4	

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



•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	

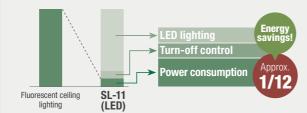
By changing the time until the lighting turns off during standby from three minutes to one minute...

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.

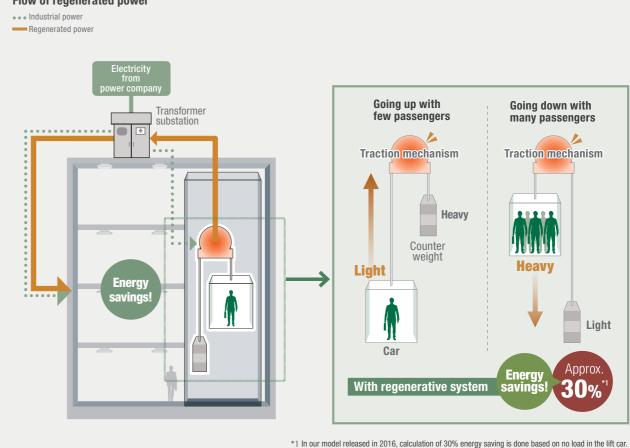
Regenerative system





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

0UG-0N1 5 6 0UG-0N1

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.

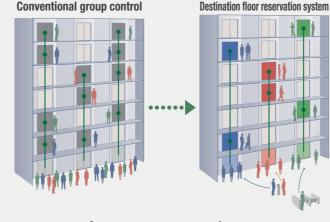
*1 "Long wait" refers to a waiting time of over 60 seconds.

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



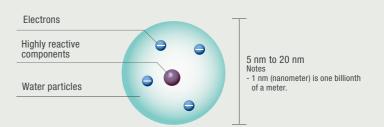
lon generator

Option

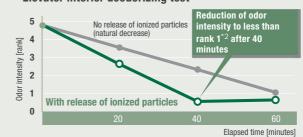


Ion generator improves air quality.

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.

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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.





Notes
- Illustration shows simulated view of beams

Micro-leveling



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.

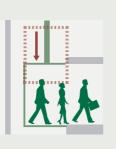
Automatic rescue device for power failure



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.



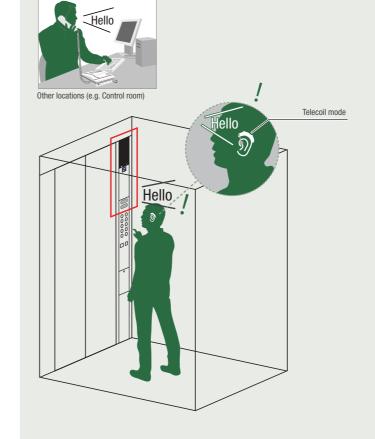


Induction loop for hearing devices

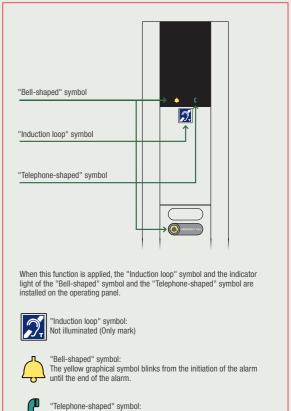


This function allows passengers with impaired hearing to use the elevator with confidence. If it is necessary to use the intercom in the elevator to communicate with people at other locations in an emergency, the passenger can select the "Telecoil mode" on their hearing aid or cochlear implant to have 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



Notes

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

The green graphical symbol illuminates during voice communication.

- The illustration is an example

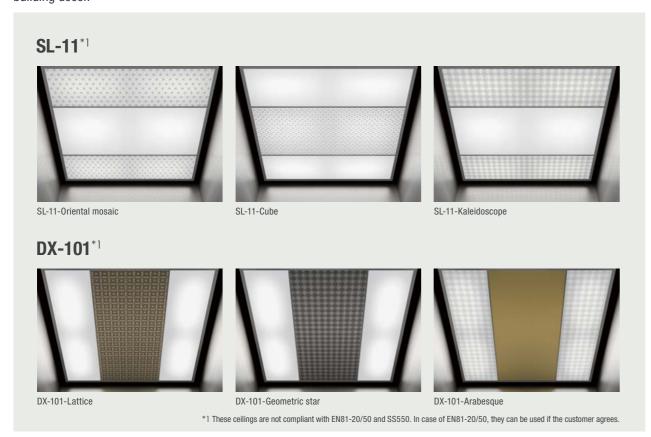
0UG-0N1 9 10 0UG-0N1

Design

Ceiling designs (Silkscreen print)

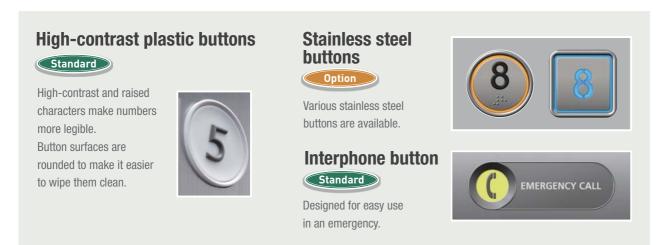


By applying silk screening to the ceilings of SL-11 and DX-101, Hitachi ceiling designs coordinate your elevator with the building decor.



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.







Black





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

Hall LCD indicator



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.





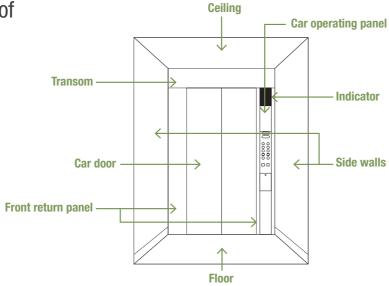
*2 Display indications regarding operation during earthquakes, etc., require that the corresponding functions be installed.

0UG-0N1 11 12 0UG-0N1

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 oilice)
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

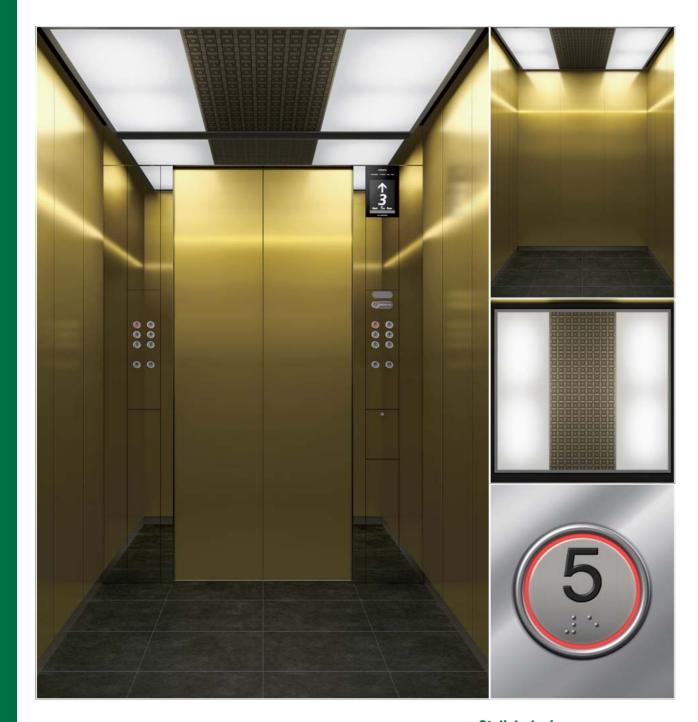
⁻ Illustrations show simulated views of elevator interiors.

⁻ 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.



Stylish design (for commercial building)

otynon acc	gr (for commorcial ballang)
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





Chic design (for hotel)

	• ,
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.

Specifications	
Ceiling	DX-series (DX-101-Lattice)*
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
Motoc	

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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

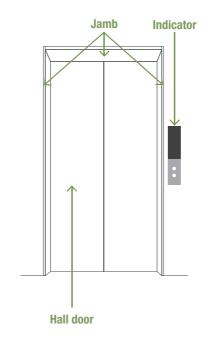
TS-1X (2PC0)

Indicator: LCD

Jamb: Stainless steel hairline

Hall door: Stainless steel hairline

etching (SD-1038)







Jamb: Stainless steel hairline Hall door: Stainless steel hairline Indicator: Dot-matrix

AS-1X (2PCO)













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.

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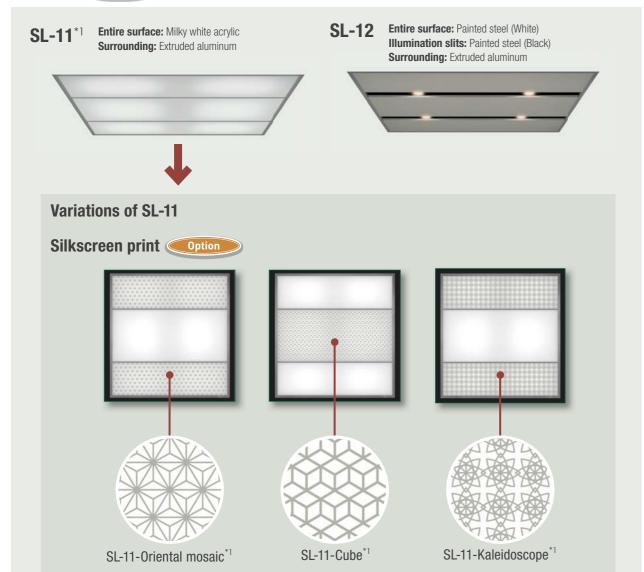
Ceilings and **H**andrails

Ceilings Standard Standard





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.





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



(aluminum) Width: 90 mm



Flat type (stainless steel hairline) Width: 90 mm

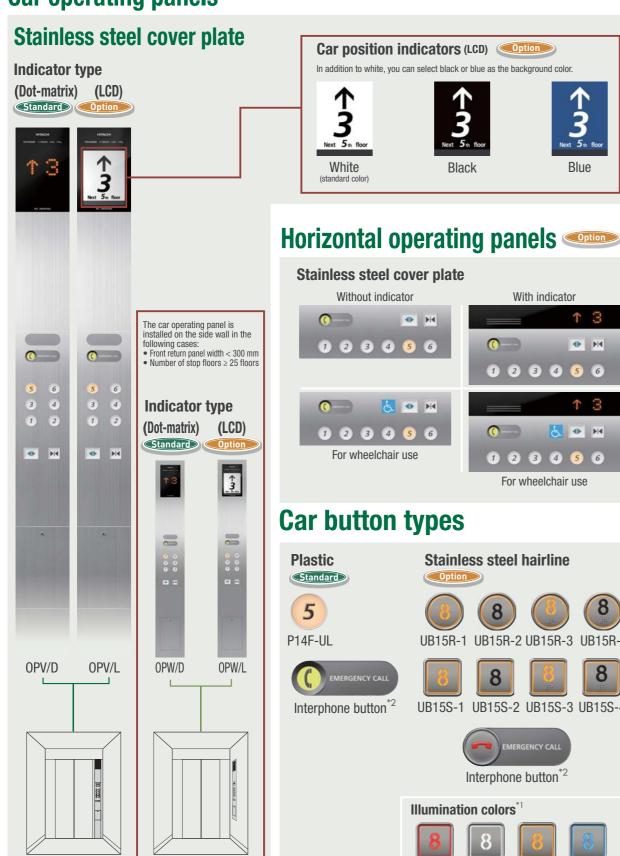


(stainless steel hairline)

Width: 50 mm

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

Car operating panels

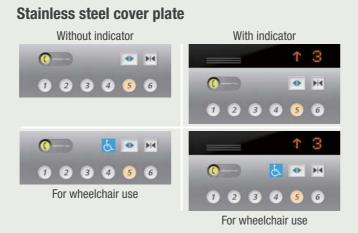


White

3

Next 5th floor

3

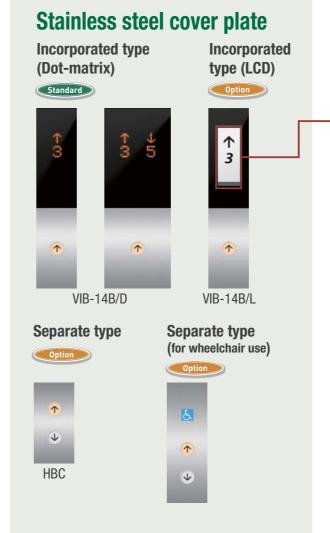


Car button types



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

Hall operating panels

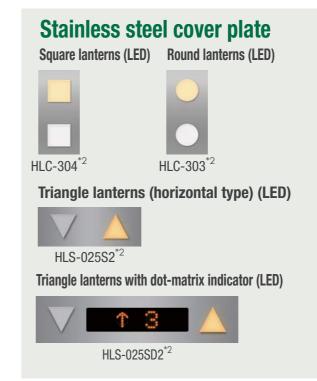




Horizontal indicators



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.

specifications are required

S 673M*4

P 0803*



[Car] Door / 3 side walls [Hall] Door

* Colored stainless steel is available for hairline and mirror options

Stainless steel





Mocha wood

SD-1031

SD-1056

SD-1036

SD-1059

: Etched area : Non-etched area



Minamo white

Craft wood





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

lacktriangle: Standard / lacktriangle: Option

No.	Item			Finishes / Types	Passenger Service
1				Standard (BS-11)*2	•
2				Select (SL-11)*2 (SL-11-Oriental mosaic)*2 (SL-11-Cube)*2 (SL-11-Kaleidoscope)*2 (SL-12)	
3	Ceiling*1			Deluxe (DX-101)*2 (DX-101-Lattice)*2 (DX-101-Geometric star)*2 (DX-101-Arabesque)*2 (DX-11) (DX-104)	
4	-				
				Premium (EX-11)*2	_
5	_			Stainless steel hairline	•
7				Colored stainless steel hairline (Gold, Bronze, Black)	0
8	-			Stainless steel hairline etching Calcade stainless steel hairline atching (Cold. Prenza, Pleal)	0
9				Colored stainless steel hairline etching (Gold, Bronze, Black)	0
				Stainless steel mirror Caland stainless steel mirror Caland stainless steel mirror Caland stainless steel mirror	
10	Car door / 3 sid	le walls		Colored stainless steel mirror (Gold, Bronze, Black) Stainless steel mirror etching	
12	-			Colored stainless steel mirror etching (Gold, Bronze, Black)	
13	-			Stainless steel non-directional hairline	
14	-			Decorated steel*3	
15	_			Laminated plastic sheet*4*5 (7170UN) (2726NT) (5261NT) (7171UN) (7158UN) (7157UN) (0869NT) (8834NT)	0
16				Rust proof coating steel	0
17				Stainless steel hairline	•
18				Colored stainless steel hairline (Gold, Bronze, Black)	0
19				Stainless steel hairline etching	0
20				Colored stainless steel hairline etching (Gold, Bronze, Black)	0
21				Stainless steel mirror	0
22	Front wall and	transom		Colored stainless steel mirror (Gold, Bronze, Black)	0
23				Stainless steel mirror etching	0
24				Colored stainless steel mirror etching (Gold, Bronze, Black)	0
25				Stainless steel non-directional hairline	0
26				Decorated steel*3	0
27				Rust proof coating steel	0
28	Kick plate			Stainless steel hairline	•
29				Stainless steel non-directional hairline	0
30	Sill			Extruded hard aluminum	0
31		1		Stainless steel	0
32	Floor*1 *6	Complian	t with EN81-20/50*7	Vinyl tile (S 442M) (S 444M) (S 629M) (S 670M) (S 671M) (S 672M) (S 673M)	•
33	11001			Vinyl tile (P 0803) (P 0807)	•
34		Round type	stainless steel hairline	Diameter: 32 mm (one row)	0
35			-4-:	Width: 50 mm (one row)	0
36	Handrail	Flat	stainless steel hairline	Width: 90 mm (one row)	0
37		Flat type	Ilali lille	Width: 90 mm (two rows)	0
38		type	aluminum	Width: 90 mm (one row)	0
39			alullillulli	Width: 90 mm (two rows)	0
40		Vertical*	9	Dot-matrix indicator (OPV/D, OPW/D)	
41		Vertical		LCD indicator (OPV/L, OPW/L) (White, Black, Blue)	0
42	Car operating	Horizont	al	Without indicator	0
43	panel	HUHZUIL	ai .	Dot-matrix indicator	0
44]	Horizont		Without indicator	0
45		wheelch	air	Dot-matrix indicator	0
46				Stainless steel hairline	•
47	Car operating p	oanel cove	er plate	Stainless steel mirror	0
48				Stainless steel non-directional hairline	0
49	Button type			Plastic (P14F-UL)	•
50	Dutton 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

. Item		Finishes / Types											
		AS-1X	Service										
		SS-1X	0										
Jamb type		TS-1X	0										
		SL-2X											
-		TL-2X	0										
		Stainless steel hairline											
_		Colored stainless steel hairline											
┥		Colored stainless steel narrine Stainless steel mirror											
Jamb finish													
_		Colored stainless steel mirror Stainless steel non directional hairling											
<u>) </u>		Stainless steel non-directional hairline											
		Rust proof coating steel	0										
2		Stainless steel hairline	•										
<u>. </u>		Colored stainless steel hairline (Gold, Bronze, Black)	0										
<u> </u>		Stainless steel hairline etching	0										
<u>i</u>		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										
		Rust proof coating steel	0										
!		Stainless steel hairline	•										
		Colored stainless steel hairline (Gold, Bronze, Black)	0										
		Stainless steel hairline etching	0										
<u> </u>		Colored stainless steel hairline etching (Gold, Bronze, Black)	0										
		Stainless steel mirror	0										
Hall door		Colored stainless steel mirror (Gold, Bronze, Black)											
inan aooi		Stainless steel mirror etching											
		Colored stainless steel mirror etching (Gold, Bronze, Black)											
)		Stainless steel non-directional hairline	0										
		Laminated plastic sheet* (7170UN) (2726NT) (5261NT) (7171UN) (7158UN) (7157UN) (0869NT) (8834NT)											
_			0										
2		Rust proof coating steel	0										
Sill		Extruded hard aluminum	0										
J 3111		Stainless steel											
<u>- </u>	Incorporated	Stainless steel hairline											
<u>i</u>	indicator	Stainless steel mirror											
Hall button cover plate		Stainless steel non-directional hairline	0										
Ilali buttoli cover piate	Canarata	Stainless steel hairline	0										
	Separate indicator	Stainless steel mirror	0										
	uicat0i	Stainless steel non-directional hairline	0										
		Stainless steel hairline	0										
	Incorporated	Stainless steel mirror	0										
Hall button cover plate	indicator	Stainless steel non-directional hairline	0										
for wheelchair use		Stainless steel hairline	0										
	Separate	Stainless steel mirror	0										
	indicator	Stainless steel non-directional hairline	0										
·		Dot-matrix											
	Vertical	LCD (White, Black, Blue)	0										
Indicator		Dot-matrix (HF-119)	0										
-	Horizontal		0										
)		LCD (HF-CL11) (White, Black, Blue)											
-		Stainless steel hairline	0										
Horizontal indicator cov	er plate	Stainless steel mirror	0										
		Stainless steel non-directional hairline	0										
Button type		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)	0										
	Vortical	Square lanterns (HLC-304) (Orange, White)	0										
, , , , , , , , , , , , , , , , , , ,	Vertical	Round lanterns (HLC-303) (Orange, White)	0										
Lantern		Triangle lanterns (HLS-025S2)	0										
	Horizontal	Triangle lanterns with dot-matrix indicator (HLS-025SD2)	0										
		Stainless steel hairline	0										
Lantern cover plate		Stainless steel mirror	0										
		I OMAINIOUS STOUT THITTUI											

^{*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.

0UG-0N1 25 26 0UG-0N1

Functions

●: Standard / ◎: Option

			• : Standard /							
No.	Name		Description	Passenger Service						
Ope:	rating systems									
1	Simplex collective co	ontrol	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 col	ntrol	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		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	Group control	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", "learn system" and "intelligent system".								
7	Down collective cont	trol	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 fun	ction	After all the calls have been served, the elevator will return to the stand by floor for stand by.	◎*1						
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	on	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 o	peration	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 opera		Specific service floors can be locked-out by activating a switch.	0						
9	Temporary call regis certain restricted flo	tration of or	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 operat	ion	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 duplex collective control or group control	ic colocted						

		• : Standard /										
0.	Name	Description	Passenge Service									
ıfe	ety 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									
CC	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.	0									
3	Sound button	An electronic tone sounds when the buttons are pressed to confirm call registration.	0									
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	urity 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									
ıfo	rmation 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									
nei	rgy-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.										

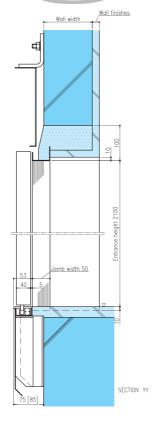
^{*1} EBOPS (UPS) is provided as a standard specification when it is required by regulations.
*2 Induction loop for hearing devices is used in combination with EN81-20/50.

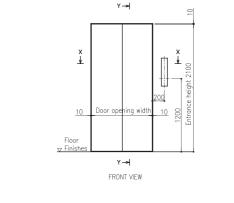
OUG-0N1 27 28 OUG-0N1

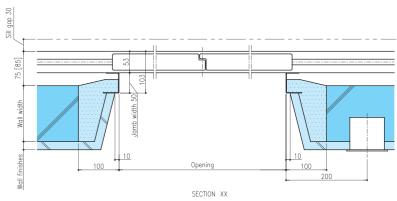
^{*1} Included in the standard configuration when duplex collective control or group control is selected.
*2 Included in the standard specifications for Thailand, Laos, Myanmar, and Cambodia.

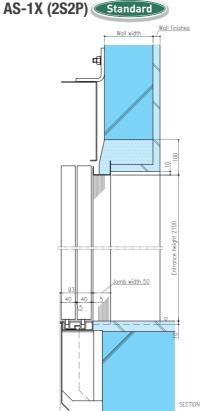
system for their monitoring

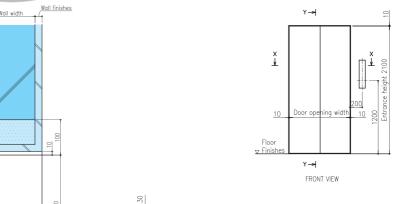
AS-1X (2PCO) Standard (unit: mm)

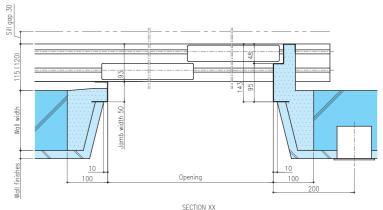








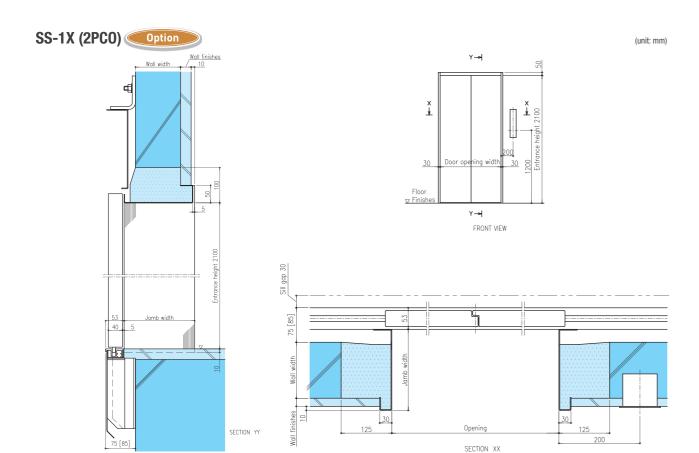


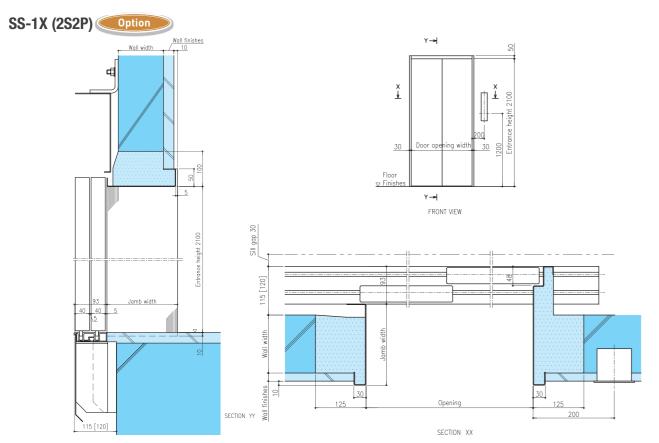


- This structure is not for fire insulation door. Please consult Hitachi or a local agent for detail.

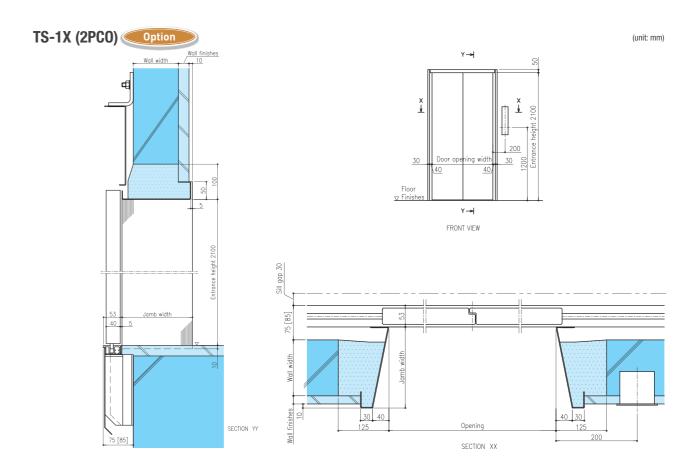
29

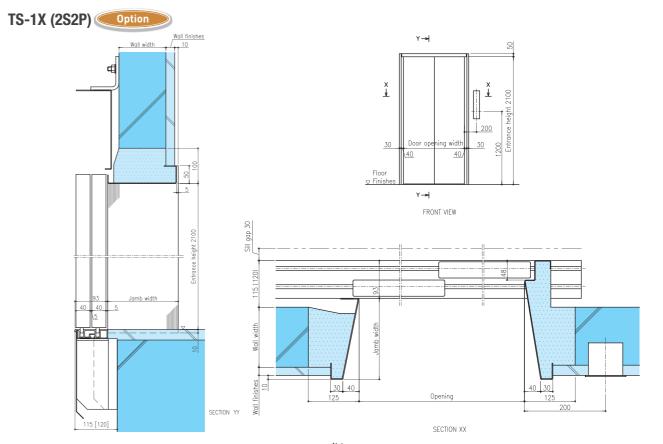
⁽²⁾ When the car internal depth is 1,250 mm or less. *2 Fire rated door is provided as a standard specification when it is required by regulations.





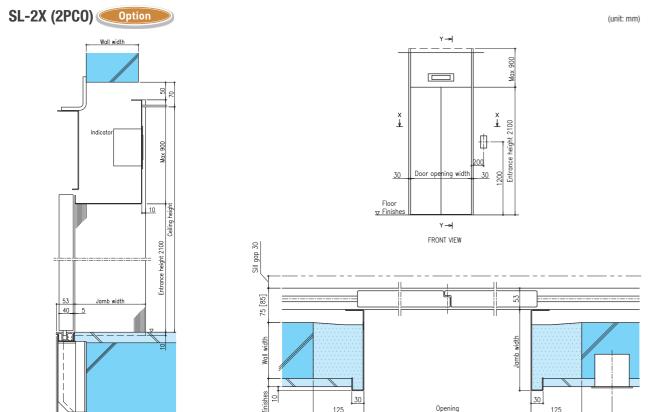


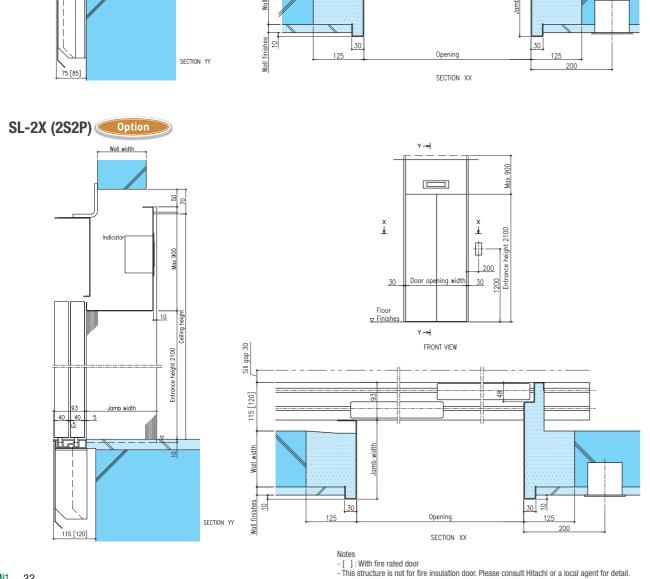




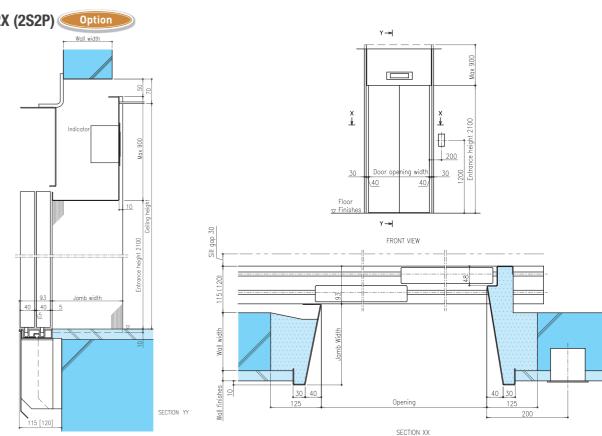
Notes
- []: With fire rated door
- This structure is not for fire insulation door. Please consult Hitachi or a local agent for detail.

(unit: mm)





TL-2X (2PCO) Option Y→ FRONT VIEW 40 30 SECTION XX TL-2X (2S2P) Option



- 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).

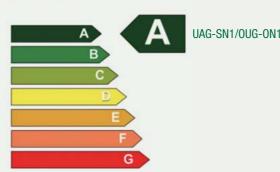
Hitachi Eco-Achievement

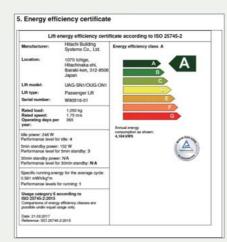
Hitachi's elevators achieved the highest energy efficiency class rating.

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

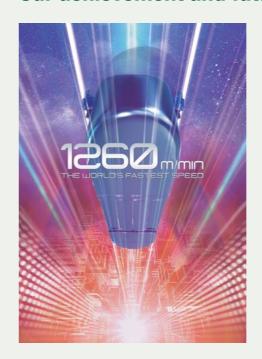
Environmental activities

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



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.



35

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)



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.

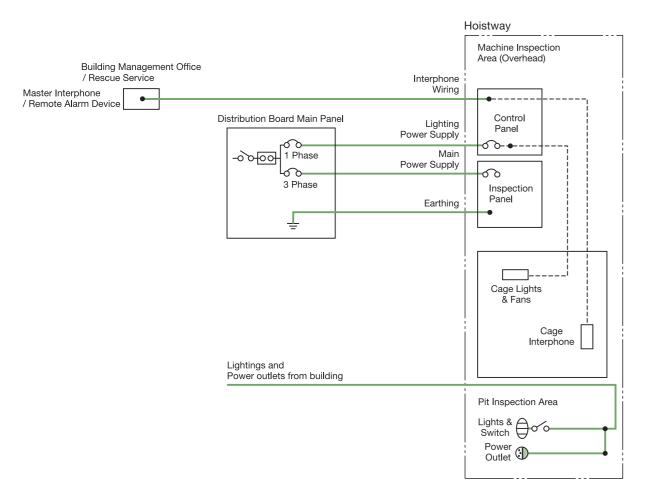
Cutting-edge CAD/CAM systems

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

Electrical information

Wiring Diagram

shows the works to be done by building.



■Work to be provided by building

Item	Works to be provided by building
Main power supply "	To provide AC 3 phase 200 to 480V 50/60Hz main power supply with maintaining to ensure that the power supply does not fluctuate outside the range of -10% to +10% of the normal voltage rating and to ensure that the unbalance factor of voltage does not exceed 5% .
Lighting power supply	To supply and install AC single phase (20Amp) lighting power supply for car lighting, EBOPS and maintenance work.
Interphone "1	To provide piping and wiring (12 wires of 0.9mm²/elevator) for interphone located outside the hoistway.
Pit, hoistway lightings & power outlets	To supply and install AC single phase power outlet and lighting with switch located at accessible area from the entrance at bottom landing level for maintenance purpose. Arrange necessary to comply to local code & regulation.

NI-+--

In the case that builder provides leak current detector at the side of main power, please use "invertor type" or "detector which does not do unnecessary operation for high frequency".

*1 Main power, lighting power, indicator power supply and interphone wiring shall be led into the hoistway at the highest lift landing.

OUG-ON1 | 19 RE-E223-7 1120

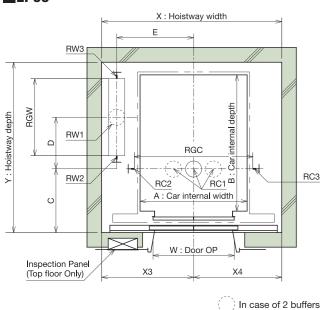


MACHINE ROOM-LESS ELEVATOR

Model OUG Series ON1
PLANNING INFORMATION

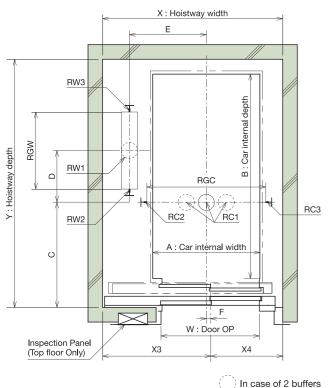
Hoistway dimension

2PC0



Hoistway dimension and Pit reaction loading

2S2P



Hoistway dimension and Pit reaction loading

Dimension and reaction loading of hoistway

■Based on Hitachi standard, EN81-20/50 and SASO-EN81-20/50

			Rated	_	Door OP	Car internal	Hoistway *1	Location [mm]								Pit reaction loading *3*4*5 [kN]						
No.	Load [kg]	Persons	speed [m/s]	Door type	width W	size A × B	X×Y			L	ocatio	n įmi	nj				Car side		Cou	nterweight	side	
	[rg]		(m/min)	турс	[mm]	[mm]	[mm]	ХЗ	X4 *1	C *2	D	Е	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3	
1			1.0(60)														35.0(221.5)	28.5(215.0)		16.0(198.5)	25.5(212.0)	
2			1.5(90)			1100×1400	1900×1800	1000	900	680 [690]		845		1330			38.5(281.0)	31.5(274.0)		18.5(256.5)	28.5 (270.5)	
3	630	8	1.75(105)												-	72.5			59.5			
5			1.0(60)			1400×1100	2050×1700	1105	945	635	F20	050		1540	000		35.0(221.5)	28.5(215.0)		16.0(198.5)	25.5(212.0)	
6			1.5(90) 1.75(105)		800	1400×1100	(2100×1700)	1105	(995)	[645]	530	950		1540	800		38.5 (281.0)	31.5(274.0)		18.5 (256.5)	28.5 (270.5)	
7			1.0(60)		000										1		37.5(227.0)	30.5(219.5)		16.5(201.5)	27.0(216.0)	
8			1.5(90)				2150×1800	1150	1000	680 [690]		970				79.5	44.0(000.0)	00 5 (070 5)	64.0			
9	750	10	1.75(105)			1350×1400				[080]				1580			41.0(286.0)	33.5(278.5)		19.0(259.5)	30.0(274.5)	
10			2.0(120)				2250×2000	1235	1015	705	640	1030			900	97.5	64.5 (689.5)	54.5(679.0)	81.5	35.5(651.0)	52.5(677.0)	
11			2.5(150)							[715]												
12			1.0(60)				2200×1850	1175	1025		530	1000			800	91.0	41.0(230.5)	33.0(222.5)	73.0	17.0(201.5)	29.0(218.0)	
14			1.75(105)	2PC0		1500×1450	2200/1000	1173	1023	705	330	1000	—	1640	000	91.0	44.5 (289.5)	36.5 (281.5)	73.0	20.0 (259.5)	32.0(277.0)	
15			2.0(120)							[715]										/	()	
16	900	12	2.5(150)		900		2350×2000	1285	1065		640	1060			900	109.0	69.0(693.5)	58.0 (682.5)	90.5	36.0(651.0)	54.5 (679.0)	
17	900	12	1.0(60)		900		2350×1750		1025	655							41.5(228.0)	33.5(220.0)		17.0(198.5)	29.0(215.5)	
18			1.5(90)				(2400×1750)	1315	1035 (1085)	[665]	530	1105			800	92.0	45.0 (287.0)	36.5(278.5)	74.0	19.5(256.5)	32.0(274.0)	
19			1.75(105)			1600×1350								1740								
20			2.0(120) 2.5(150)				2450×2000	1335	1115	705 [715]	640	1110			900	111.0	69.0 (693.5)	58.0 (682.5)	92.5	36.0 (651.0)	55.0(679.5)	
22			1.0(60)														42.0(230.5)	33.5(222.5)		17.0(201.5)	29.0(218.0)	
23			1.5(90)				1900×2400	1010	890		530	845			800	94.0	45 5 (000 5)	37.0(281.5)	74.5	00.0(050.5)	32.0(277.0)	
24			1.75(105)		800					980 [990]							45.5 (269.5)	37.0(201.5)		20.0 (259.5)	32.0(277.0)	
25			2.0(120)				2050×2400	1130	920		640	905			900	114.0	69.0 (693.5)	58.5 (683.0)	94.0	36.0 (652.0)	55.0 (679.5)	
26 27	975		2.5(150) 1.0(60)			1100×2000								1330			40.0(001.E)	24.0/202.0)		17 E (001 E)	20.0(210.5)	
28			1.5(90)				1900×2450	1110	790		530	845			800	94.0	42.0(231.5)	34.0(223.0)	74.5	17.5(201.5)	29.0(218.5)	
29		13	1.75(105)	2S2P			1300/2400		750	1057	300	040	95		000	34.0	45.5 (290.5)	37.0 (282.0)	74.5	20.0 (259.5)	32.0(277.0)	
30			2.0(120)	2025	SE1		000000450	1005	705	[1062]	C40	005			000	1110	70.0(004.5)	E0 E (C00 O)	04.0	20 5 (051.0)	EE E (000 0)	
31			2.5(150)				2000×2450	1205	795		640 905		900	114.0	70.0(694.5)	58.5 (683.0)	94.0	36.5 (651.0)	55.5 (680.0)			
32			1.0(60)							680							43.0(232.0)	34.5(223.5)		17.5(201.5)	29.5(219.0)	
33			1.5(90)	0000		400004400	2300×1800	1225	1075	[690]	530	1050		4740	800	98.0	46.5(291.0)	38.0 (282.5)	77.0	20.0 (259.5)	32.5(277.5)	
34 35			1.75(105) 2.0(120)	2PC0		1600×1400				705			-	1740								
36			2.5(150)				2450×2000	1335	1115	705 [715]	640	1110			900	117.0	70.0 (695.0)	59.5 (684.0)	95.5	36.5 (652.0)	55.5 (680.0)	
37			1.0(60)		900												44.0 (233.0)	35.5(224.5)		17.5(201.5)	30.5(219.5)	
38			1.5(90)				1800×2850	1015	785	1257	530	795			800	100.5	47 0 (292 0)	38.5 (283.5)	79.5	20.5 (259.5)	33.5(278.5)	
39			1.75(105)	2S2P		1000×2400				[1262]			45	1230			17.0 (202.0)	00.0 (200.0)		20.0 (200.0)	00.0 (27 0.0)	
40			2.0(120)				1900×2850	1105	795		640	855			900	118.5	71.0 (695.5)	59.5 (684.0)	97.5	36.5 (651.0)	56.0 (680.5)	
41			2.5(150) 1.0(60)														43.5(230.0)	35.0(221.5)	77.5	17.5(198.5)	30.0(216.5)	
43			1.5(90)				2000×2500	1005	995		530	845			800	99.0						
44	1050		1.75(105)	2PC0						1030 [1040]			_				47.0(289.0)	38.0(280.5)	78.0	20.0 (256.5)	33.0(275.0)	
45			2.0(120)				2150×2500	1130	1020	[1010]	640	905			900	117.0	70.0(695.0)	59.5 (684.0)	95.5	36.5 (652.0)	55.5 (680.0)	
46		14	2.5(150)			1100×2100								1330								
47			1.0(60)				1900×2550	1115	785		520	845			800	96.5	43.0(229.5)	34.5(221.0)	77.0	17.5(198.5)	29.5(216.0)	
49			1.75(105)	2S2P	1000		(1950×2550)	1113	(835)	1107	330	040	45		000	97.5	46.5 (289.0)	38.0 (280.5)	78.0	20.0 (256.5)	33.0(275.0)	
50			2.0(120)						0.45	[1112]		005			000	447.0	70 5 (005 5)	50 5 (00 4 0)	05.5	00 5 (054 0)	50.0(000.5)	
51			2.5(150)				2000×2550	1155	845		640	905			900	117.0	/0.5(695.5)	59.5 (684.0)	95.5	30.5(651.0)	56.0 (680.5)	
52			1.0(60)														43.5(232.0)	35.0(224.0)		17.5 (201.5)	30.0(219.0)	
53			1.5(90)	0000	000	4000:	2300×1900	1225	1075	730	530	1050			800	98.5	47.0(291.5)	38.0(283.0)	77.5	20.0 (259.5)	33.0(277.5)	
54 55			1.75(105) 2.0(120)	2PC0	900	1600×1500				[740]			_	1740								
56			2.5(150)				2450×2000	1335	1115		640	1110			900	117.0	70.0 (695.0)	59.5 (684.0)	95.5	36.5 (652.0)	55.5 (680.0)	
Notes			2.0 (100)			L	I		1 (1 · Te	l avel di	ctance	L	lm.		I	I			I	I	

- Above tables shows the dimensions on the following conditions
(1) Single elevator in hoistway (2) Without counterweight safety
Please consult Hitachi or local agent if other specifications are required.

*1 ():Travel distance > 60m

*2 []:With fire rated door

*3 ():EN81-20/50

*4 Rated speed 1.0m/s: Travel distance ≤ 60m

Rated speed 1.5, 1.75m/s: Travel distance ≤ 80m

Rated speed 2.0, 2.5m/s: Travel distance ≤ 120m

*5 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

■Based on Hitachi standard, EN81-20/50 and SASO-EN81-20/50

			Rated		Door OP	Car internal	31-20/									Pit reaction loading *3*4*5 [kN]							
No.	Load	Persons	speed	Door	width	size	Hoistway X × Y			Lo	catio	n [mr	n]				Car side	TOUGHON TOU	Counterweight side				
	[kg]		[m/s] (m/min)	type	W [mm]	A × B [mm]	[mm]	Х3	X4 *1	C*2	D	Е	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3		
57			1.0(60)							-							57.0(389.0)			24.5(347.0)			
58			1.5(90)				2400×2100	1295	1105							122.5			98.0				
59			1.75(105)			1600×1700				830 [840]		1110		1740			62.5(491.5)	50.5 (480.0)		28.5(448.0)	45.0(474.5)		
60			2.0(120)				2450×2100	1220	1120	[040]						128.5	7E 0/600 E)	62.5(687.0)	104.0	37.5 (650.5)	E0 E (602 O)		
61			2.5(150)		1000		2430^2100	1330	1120							120.5	75.0(099.5)	02.5(007.0)	104.0	37.3(030.3)	30.3 (003.0)		
62			1.0(60)		1000											117.5	55.5 (387.0)	44.5(376.0)	94.5	24.0(347.0)	39.5(371.5)		
63			1.5(90)				2600×2000	1390	1210	730						121.5	61.5(491.0)	50.0(479.5)	98.5	28.5(448.0)	44.5(474.0)		
64	1200		1.75(105)	2PC0		1800×1500				[740]		1210	_	1940									
65			2.0(120)				2650×2000	1435	1215							126.5	74.0(698.0)	62.0(686.0)	102.5	37.5 (650.5)	58.0(682.5)		
66 67		16	2.5(150) 1.0(60)														57.0(389.0)	46.0(377.5)		24.5(347.0)	40.5(372.5)		
68			1.5(90)				2800×1950	1495	1305	680						122.5	37.0(309.0)	40.0(377.3)	98.0	24.5(547.0)	40.3(372.3)		
69			1.75(105)			2000×1400	2000/1330	1433	1000	[690]		1310		2140		122.5	62.5(491.5)	50.5(480.0)	30.0	28.5 (448.0)	45.0(474.5)		
70			2.0(120)			2000-1-100				705													
71			2.5(150)				2850×2000	1535	1315	[715]						128.5	75.0 (699.5)	62.5(687.0)	104.0	37.5 (650.5)	58.5 (683.0)		
72			1.0(60)		1100												58.0 (389.5)	46.5(378.0)		24.5(346.5)	41.0(372.5)		
73			1.5(90)				2100×2750	1210	890							124.5	62 0 (400 E)	E1.0(400.E)	99.0	00 5 (440 0)	4E E (47.4 E)		
74	1250		1.75(105)	2S2P		1200×2300				1207 [1212]		955	45	1430			63.0(492.5)	51.0(480.5)		28.5(448.0)	45.5(474.5)		
75			2.0(120)				2150×2750	1235	015	(1212)						130.5	75.5(700.0)	63.0(687.5)	105.0	37.5 (650.5)	58 5 (683 5)		
76			2.5(150)				ZIOONZIOO	1200	313							100.0	70.0(700.0)	00.0 (007.0)	100.0		00.0 (000.0)		
77			1.0(60)													65.25x2sets	59.5 (391.5)	48.0(379.5)		25.0(346.5)	42.0(374.0)		
78			1.5(90)				2600×2100	1395	1205	830							65.0 (494.0)	52.5(482.0)	103.5	29.0(447.5)	46.5(475.5)		
79			1.75(105)		1000	1800×1700				[840]	640	1210		1940	900	130.5							
80			2.0(120)				2650×2100	1435	1215							140.5	78.5(703.0)	65.0(690.0)	113.0	38.5 (650.5)	60.5 (685.0)		
81 82			2.5(150) 1.0(60)														E0 E (201 E)	48.0(379.5)		25.0(346.5)	42.0(274.0)		
83			1.5(90)				2800×2000	1495	1305							65.25x2sets	39.3(391.3/	46.0(379.3)	103.5	23.0(340.3)	42.0(374.0)		
84	1350	18	1.75(105)			2000×1500		1433	1000	730 [740]						130.5	65.0 (494.0)	52.5(482.0)	100.0	29.0(447.5)	46.5(475.5)		
85			2.0(120)			2000-1000				[740]													
86			2.5(150)				2850×2000	1535	1315							140.5	78.5(703.0)	65.0(690.0)	113.0	38.5 (650.5)	60.5(685.0)		
87			1.0(60)	2PC0	1100							1310	_	2140		00.05.0	60.0 (386.5)	48.0(375.0)		24.5(341.5)	42.0(369.0)		
88			1.5(90)				2800×2050	1495	1305							66.25x2sets	64 E (490 E)	53.5(477.0)	105.0	28.5(443.0)	46 O (470 E)		
89			1.75(105)			2000×1550				755 [765]						132.5	04.3 (469.3)	53.5(477.0)		26.5 (443.0)	46.0(470.5)		
90			2.0(120)				2850×2050	1535	1315							140.5	78.5(703.0)	65.0(690.0)	113.0	38.5 (650.5)	60.5(685.0)		
91			2.5(150)				2000 2000	,,,,,	1010														
92			1.0(60)													66.75x2sets	60.5 (391.5)	48.5(379.5)		25.0(346.5)	42.0(374.0)		
93			1.5(90)		4000	1000::0000	2250×2700	1170	1080	1130						100 5	65.5 (494.0)	53.0(482.0)	105.0	29.0(447.5)	46.5(475.5)		
94 95			1.75(105) 2.0(120)		1000	1300×2300				[1140]						133.5							
96			2.5(150)				2350×2700	1230	1120							143.5	78.5 (703.0)	66.0 (690.5)	114.5	38.5(651.0)	60.5(685.0)		
97			1.0(60)									1005		1530			59.5(391.5)	48.5(380.0)		26.0(347.0)	45.0(376.5)		
98			1.5(90)					1290	910							66.75x2sets			105.0				
99	1425	19	1.75(105)	2S2P	1100	1300×2300	2200×2750			1207 [1212]			95			133.5	65.0(494.0)	53.0(482.5)		29.5(448.0)	49.0(478.5)		
100			2.0(120)					1205		[1414]						1420	78 5 (702 5)	65.5(690.0)	1115	30 E (650 E)	61 0/60F F)		
101			2.5(150)					1305	895							143.0	10.0(103.5)	00.0(090.0)	114.5	38.5 (650.5)	01.0(065.5)		
102			1.0(60)													67.75x2sets	61.0(393.0)	49.0(381.0)		25.0(346.5)	42.5(374.5)		
103			1.5(90)				2600×2150	1395	1205	855							66.5 (495.5)	54.0(483.0)	106.5	29.0(447.5)	47.0(476.5)		
104			1.75(105)		1000	1800×1750				[865]		1210		1940		135.5				1	,		
105			2.0(120)				2650×2150	1435	1215							147.5	80.5 (705.5)	67.0(691.5)	118.5	39.0(650.5)	62.0 (685.5)		
106			2.5(150) 1.0(60)	2PC0									-				64 5 (201 5)	51.5(378.5)	1115	25 5 (241 F)	44 E (071 F)		
107			1.0(60)					12/15	1255							73.25x2sets	04.0(081.5)	31.3(3/8.5)	114.5	25.5(341.5)	+4.0(0/1.5)		
109	1600	21	1.75(105)		1100	1400×2400	2500×2800	1240		1180		1055		1630		146.5	69.5 (494.0)	56.5 (481.0)	115.5	29.5(442.5)	49.0(473.5)		
110	. 550		2.0(120)			. 100 12 100				[1190]		. 555		. 500									
111			2.5(150)					1255	1245							158.0	83.0 (708.0)	69.5 (695.5)	126.0	39.5 (651.0)	63.0(689.5)		
Notes							1		1 (\.Tec	avel di		> 60			1	1			1	1		

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Notes

Above tables shows the dimensions on the following conditions
(1) Single elevator in hoistway (2) Without counterweight safety
Please consult Hitachi or local agent if other specifications are required.

^{*1 ():}Travel distance > 60m

*2 []:With fire rated door

*3 ():EN81-20/50

*4 Rated speed 1.0m/s: Travel distance ≤ 60m

Rated speed 1.5, 1.75m/s: Travel distance ≤ 80m

Rated speed 2.0, 2.5m/s: Travel distance ≤ 120m

*5 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

Dimension and reaction loading of hoistway

■Based on Hitachi standard, EN81-20/50 and SASO-EN81-20/50

			Rated		Door OP	Car internal	Hoistway *1			Le	ooti e	n Ima	1				Pit ı	eaction loa	ding *3*4*5	[kN]	
No.	Load [kg]	Persons	speed [m/s]	Door type	width W	size A × B	X×Y			LC	catic	n [mr	nj				Car side		Cou	nterweight	side
	[49]		(m/min)	туро	[mm]	[mm]	[mm]	ХЗ	X4 *1	C *2	D	Е	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
112			1.0(60)													71.5x2sets	63.5(390.5)	51.0(377.5)	113.5	25.5(341.5)	44.0(371.0)
113			1.5(90)													72.5x2sets	69.5 (494.0)	E6 0(401 0)	115.5	29.5(442.5)	40.0(472.5)
114			1.75(105)	2S2P	1200	1400×2400	2300×2850	1355	945	1257 [1262]		1055	95	1630		145.0	09.5(494.0)	30.0 (461.0)	110.0	29.3 (442.3)	49.0(473.3)
115			2.0(120)							,						162.0	85.0(710.0)	70.5(605.5)	129.5	40.0(650.0)	64 5 (687 5)
116	1600	21	2.5(150)													102.0	05.0(710.0)	70.0(090.0)	123.5	40.0 (030.0)	04.5(007.5)
117	1000	- '	1.0(60)													75.75x2sets	66.5 (398.0)	53.0(385.0)		26.5(346.5)	45.5(377.5)
118			1.5(90)				2800×2150	1495	1305	855						70.70023013	71.5(501.0)	58 0 (487 0)	119.5	30 0 (448 0)	50.0(479.5)
119			1.75(105)			2000×1750				[865]		1310	_	2140		151.5	71.5(501.0)	50.0 (407.0)		00.0 (440.0)	30.0 (47 3.3)
120			2.0(120)	2PC0	1100		2850×2150	1535	1315							162.0	85.0(710.0)	70.5(695.5)	129.5	40.0(650.0)	64.5(687.5)
121			2.5(150)	21 00	1100		2000-2100	1000	1010							102.0			120.0		
122			1.0(60)							830						84.75x2sets	65.5(397.5)	57.5(389.5)		34.5(353.0)	51.0(383.0)
123		23	1.5(90)			2100×1700	3000×2100	1660	1340	[840]		1385	_	2240			70.5(499.5)	62.5(492.0)	135.5	39.0(454.0)	55.5(485.0)
124			1.75(105)													169.5					
125			1.0(60)							1307	640				900	84.75x2sets	65.5 (397.5)	57.5(389.5)		34.5 (353.0)	51.0(383.0)
126	1800		1.5(90)	2S2P	1200	1500×2500	2500×2950	1555	945	[1312]		1130	145	1730			70.5 (499.5)	62.5(492.0)	133.5	39.0(454.0)	55.5 (485.0)
127		24	1.75(105)													169.5				/	
128			1.0(60)							880						84.75x2sets	65.5 (397.5)	57.5(389.5)		34.5 (353.0)	51.0(383.0)
129			1.5(90)	2PC0	1100	2000×1800	2900×2200	1610	1290	[890]		1335	_	2140			70.5(499.5)	62.5(492.0)	135.5	39.0(454.0)	55.5 (485.0)
130			1.75(105)													169.5	00.0/400.0\	00.0/000.0		05 5 (050 0)	50 5 (00 4 5)
131			1.0(60)	0000	1000	150000700	050000150	1505	005	1407		1100	٥٢	1700		89.75x2sets	68.0 (400.0)	60.0(392.0)		35.5 (353.0)	52.5 (384.5)
132 133			1.5(90) 1.75(105)	2S2P	1300	1500×2700	2500×3150	1505	995	[1412]		1130	95	1730		179.5	73.0 (502.5)	65.0(494.0)		39.5 (454.5)	57.0(486.5)
133			1.0(60)													179.5	68.0 (400.0)	60.0(200.0)	139.5	35.5(353.0)	E0 E (204 E)
135	2000	26	1.5(90)			2000×2000	2000×2400			980						89.75x2sets	08.0 (400.0)	00.0(392.0)		33.3(333.0)	32.3(364.3)
136	2000	20	1.75(105)			2000×2000	2900×2400			[990]						179.5	73.0 (502.5)	65.0(494.0)		39.5 (454.5)	57.0(486.5)
137			1.0(60)	2PC0	1100			1610	1290	_		1335	_	2140		179.5	68.5 (400.5)	60 5 (302 5)		36.0(353.5)	53.0(385.0)
137						2000×2100			1290	1030					90.75x2sets	00.5(400.5)	00.0(392.5)	141.5	30.0(333.5)	33.0 (363.0)	
139			1.5(90)		2000×2100	2300/2300			[1040]						181.5	73.5 (503.0)	65.5(494.5)	141.0	40.0(454.5)	57.5(487.0)	

■Based on Malaysian regulations

			Rated		Door OP	Car internal	*I					_	_			Pit reaction loading *2*3 [kN]					
No.	Load [kg]	Persons	speed [m/s]	Door type	width W	size A × B	Hoistway X × Y			Lo	ocatio	n [mi	n]				Car side		Counterweight side		side
	[ryj		(m/min)	type	[mm]	[mm]	[mm]	ХЗ	X4 *1	C	D	Е	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
1			1.0(60)														225.0	218.0		201.5	215.5
2	615	9	1.5(90)			1150×1400	1950×1800	1050	900			870		1380		74.0	285.0	278.0	61.5	260.5	275.0
3			1.75(105)							690	530				800						
4			1.0(60)		800												227.0	219.5		201.5	216.0
5	750		1.5(90)			405004400	2150×1800	1150	1000			970		4500		79.5	287.0	279.5	64.0	260.5	275.5
7	750	11	1.75(105) 2.0(120)			1350×1400								1580							
8			2.5(150)				2250×2000	1235	1015		640	1030			900	97.5	695.5	685.0	81.5	657.0	683.0
9			1.0(60)											\vdash			230.5	222.5		201.5	218.0
10			1.5(90)	2PC0			2200×1850	1175	1025	715	530	1000	-		800	90.5			72.5		
11			1.75(105)			1500×1450								1640			290.5	282.0		260.5	277.5
12			2.0(120)				2350×2000	1205	1065		640	1060			900	108.5	699.0	688.0	90.0	657.0	685.0
13	885	13	2.5(150)		900		2330^2000	1200	1003		040	1000			900	100.5	099.0	000.0	90.0	057.0	065.0
14	000		1.0(60)		000		2350×1750		1035								228.0	219.5		198.5	215.5
15			1.5(90)				(2400×1750)	1315	(1085)	665	530	1105			800	91.5	288.0	279.5	73.5	257.5	275.0
16			1.75(105)			1600×1350								1740							
18			2.0(120)				2450×2000	1335	1115	715	640	1110			900	110.5	699.5	688.5	92.0	657.0	685.5
19			1.0(60)														229.5	221.0		198.5	216.0
20			1.5(90)				1900×2550	1115	785		530	845			800	96.0			77.0		
21			1.75(105)	2S2P	1000	1100×2100	(1950×2550)		(835)	1112			45	1330			289.5	281.0		257.5	276.0
22			2.0(120)				0000,40550	4455	0.45		040	005			000	1100	700 5	000.0	00.5	057.0	200.0
23	955	14	2.5(150)				2000×2550	1155	845		640	905			900	113.0	700.5	689.0	93.5	657.0	686.0
24	900	14	1.0(60)														232.0	223.5		201.5	219.0
25			1.5(90)				2300×1850	1225 1075		530	1050			800	95.0	292.0	283.5	76.0	260.5	278.5	
26			1.75(105)			1600×1450				715											
27			2.0(120)				2450×2000	1335	1115	115	640	1110			900	113.0	700.5	689.0	93.5	657.0	686.0
28			2.5(150) 1.0(60)	2PC0	900								-	1740		-	229.5	221.5		198.5	216.5
30			1.5(90)				2300×1950	1225	1075		530	1050			800	98.0	229.5	221.0	77.5	190.0	210.5
31	1025	15	1.75(105)			1600×1550	2000-1000	, LLC	1070	765		1000				98.0	290.0	281.0	77.0	257.5	276.0
32			2.0(120)																		
33			2.5(150)				2450×2050	1335	1115			1110				116.0	701.0	689.5	95.0	657.0	686.5
34			1.0(60)														388.0	377.0		347.0	372.0
35			1.5(90)				2100×2750	1210	890							119.0	492.5	481.0	95.5	450.0	476.0
36			1.75(105)	2S2P	1100	1200×2300				1212		955	45	1430							
37			2.0(120)				2150×2750	1235	915							127.0	705.0	692.5	103.5	656.5	689.0
38			2.5(150) 1.0(60)														387.5	376.5		346.5	371.5
40			1.5(90)				2400×2100	1295	1105							117.0		570.5	93.5	040.0	011.0
41	1160	17	1.75(105)			1600×1700		1200		840		1110		1740		11115	492.0	480.5	00.0	450.0	475.5
42			2.0(120)																		
43			2.5(150)	2000	1000		2450×2100	1330	1120		640				900	127.0	705.0	692.5	103.5	656.5	689.0
44			1.0(60)	2PC0	1000											117.0	382.0	371.0	94.5	342.0	366.0
45			1.5(90)				2600×2000	1390	1210							121.0	488.0	476.5	98.5	445.0	471.0
46			1.75(105)			1800×1500				740		1210		1940							
47			2.0(120)				2650×2000	1435	1215							127.0	705.0	692.5	103.5	656.5	689.0
48			2.5(150)								-						201.0	270.0		247.0	272 5
49 50			1.0(60)					1200	910							128.5	391.0	379.0	102.5	347.0	373.5
51	1295	19	1.75(105)	2S2P	1100	1300×2300	2200×2750	1230	310	1212		1005	95	1530		120.5	495.5	483.5	102.0	450.0	477.5
52			2.0(120)				2.00	<u> </u>	-											0	051.5
53			2.5(150)					1305	895							138.5	708.5	695.5	112.0	656.5	691.0
Notes									:1 (\ · Te	ovol di	otopoo	_ en	ino.							

Above tables shows the dimensions on the following conditions
 (1) Single elevator in hoistway (2) Without counterweight safety
Please consult Hitachi or local agent if other specifications are required.

^{*1 ():}Travel distance > 60m

*2 []:With fire rated door

*3 ():EN81-20/50

*4 Rated speed 1.0m/s: Travel distance ≤ 60m
Rated speed 1.5, 1.75m/s: Travel distance ≤ 80m
Rated speed 2.0, 2.5m/s: Travel distance ≤ 120m

*5 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

⁽¹⁾ Single elevator in hoistway (2) Without counterweight safety (3) With fire rated door Please consult Hitachi or local agent if other specifications are required.

^{*1 ():}Travel distance > 60m

*2 Rated speed 1.0m/s: Travel distance ≤ 60m

Rated speed 1.5, 1.75m/s: Travel distance ≤ 80m

Rated speed 2.0, 2.5m/s: Travel distance ≤ 80m

Rated speed 2.0, 2.5m/s: Travel distance ≤ 120m

*3 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

Dimension and reaction loading of hoistway

■Based on Malaysian regulations

	oad [kg]	Persons	speed	Door			Hoistway			1.0	andi-	п Ги	m1					Pit reaction			
54 55	[rg]		[m/s]	type	width W	size A × B	X×Y			LO	catio	n [mr	nj				Car side		Cou	nterweight	side
55			(m/min)	type	[mm]	[mm]	[mm]	ХЗ	X4 *1	C	D	Е	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
			1.0(60)													66.5x2sets	392.5	380.5		346.5	374.0
56			1.5(90)				2600×2150	1395	1205							400.0	407.0	404.5	105.5	450.0	470.0
50			1.75(105)		1000	1800×1750				865		1210		1940		133.0	497.0	484.5		450.0	478.0
57			2.0(120)				2650×2150	1.405	1015							141.0	709.5	696.0	1105	656.5	691.5
58	365	20	2.5(150)	2PC0			2030/2130	1433	1215							141.0	709.5	090.0	113.5	0.000	091.5
59	303	20	1.0(60)	200									_			66.5x2sets	387.0	375.0		341.5	369.0
60			1.5(90)				2800×2050	1495	1305							133.0	489.5	479.0	105.5	445.0	473.5
61			1.75(105)		1100	2000×1550				765		1310		2140		100.0	400.0	475.0		440.0	470.0
62			2.0(120)				2850×2050	1535	1315							141.0	709.5	696.0		656.5	691.5
63			2.5(150)				2000//2000	1000	1010							141.0	700.0	030.0	113.5	000.0	001.0
64			1.0(60)													71.5x2sets	390.5	377.5		341.5	371.0
65			1.5(90)													145.0	496.0	483.0	115.5	444.5	475.5
	500	22	1.75(105)	2S2P	1200	1400×2400	2300×2850	1355	945	1262		1055	95	1630							
67			2.0(120)													154.0	713.5	699.5	124.0	656.5	694.0
68			2.5(150)																		
69			1.0(60)													75.0x2sets	398.0	384.5		347.0	377.5
70			1.5(90)				2800×2150	1495	1305							150.0	502.5	489.0	118.5	450.0	481.0
	565	23	1.75(105)			2000×1750				865											
72			2.0(120)				2850×2150	1535	1315		640				900	160.5	715.5	701.0	129.0	656.5	695.0
73			2.5(150)	2PC0	1100							1310	_	2140		77.75.0	000 5	200.0		047.0	070.0
74 75			1.0(60)				00000000	1 405	1005							77.75x2sets	399.5	386.0	100 5	347.0	378.0
	635	24	1.5(90) 1.75(105)			2000×1800	2800×2200	1495	1305	890						155.5	504.0	490.0	122.5	450.0	482.0
77	033	24	2.0(120)			2000×1600				090											
78			2.5(150)				2850×2200	1535	1315							165.5	717.0	702.0	132.5	656.5	696.0
79			1.0(60)													83.0x2sets	396.5	388.5		353.0	382.0
	705	25	1.5(90)	2S2P	1200	1500×2500	2500×2950	1555	945	1312		1130	145	1730		00.0x230t3	000.0	000.0	132.0	000.0	002.0
81	, , ,		1.75(105)	LOL	1200	1000112000	2000: 2000	1000	0.0	1012		1100	10	1700		166.0	500.5	493.0	102.0	456.0	486.0
82			1.0(60)													86.5x2sets	398.0	390.5		353.0	383.5
	835	27	1.5(90)	2PC0	1100	2000×2000	2900×2400	1610	1290	990		1335	_	2140					136.5		
84			1.75(105)													173.0	502.5	494.5		456.5	487.5
85			1.0(60)													88.0x2sets	399.0	391.0		353.0	384.0
	905	28	1.5(90)	2S2P	1300	1500×2700	2500×3150	1505	995	1412		1130	95	1730					137.5		
87			1.75(105)													176.0	503.5	495.5		456.5	488.0
88			1.0(60)													90.25x2sets	400.5	392.0		353.5	384.5
89 19	975	29	1.5(90)	2PC0	1100	2000×2100	2900×2500	1610	1290	1040		1335	_	2140		1005	5045	400.5	141.0	450.5	400.5
90			1.75(105)													180.5	504.5	496.5		456.5	488.5

Based on Hitachi standard for India

			Rated		Door OP	Car internal	*1 Hoistway				!	F	1				Pit	reaction lo	ading *3*4 [kN]	
No.	Load [kg]	Persons	speed [m/s]	Door type	width W	size A × B	X×Y			LC	catio	n [mi	nj				Car side		Cou	nterweight	side
	[49]		(m/min)	type	[mm]	[mm]	[mm]	ХЗ	X4 *1	C *2	D	Е	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
1			1.0(60)							000							34.0	28.0		16.0	25.0
2			1.5(90)			1100×1400	1900×1800	1000	900	680 [690]		845		1330		71.5	37.5	31.0	59.5	18.5	28.0
3	612	9	1.75(105)																		
4			1.0(60)				2050×1700		945	635							34.0	27.5		15.5	25.0
5			1.5(90)			1400×1100	(2100×1700)	1105	(995)	[645]	530	950		1540	800	71.0	27.5	31.0	59.0	18.5	27.5
7			1.75(105) 1.0(60)														37.5	30.0		16.5	27.0
8			1.5(90)				2150×1800	1150	1000	680		970				79.5		30.0	64.0	10.5	27.0
9	748	11	1.75(105)	2PC0	800	1350×1400				[690]			_	1580			41.0	33.5	0.10	19.0	29.5
10			2.0(120)				00500000	4005	1015	705	0.40	4000			200	07.0	045	54.5	04.5	05.5	50.5
11			2.5(150)				2250×2000	1235	1015	[715]	640	1030			900	97.0	64.5	54.5	81.5	35.5	52.5
12			1.0(60)														41.0	33.0		17.0	28.5
13			1.5(90)				1900×2400	1010	890	980	530	845			800	90.5	44.5	36.0	72.5	19.5	31.5
14			1.75(105)							[990]											
15			2.0(120) 2.5(150)				2050×2400	1130	920		640	905			900	110.5	69.0	57.5	92.0	36.0	55.0
16			1.0(60)			1100×2000								1330			41.0	33.0		17.0	28.5
18			1.5(90)				1900×2450	1110	790		530	845			800	90.5			72.5		
19			1.75(105)	2S2P						1057 [1062]			95				44.5	36.0		19.5	31.5
20			2.0(120)				2000×2450	1205	705	[1002]	640	905			900	110.5	69.0	57.5	92.0	36.0	55.0
21	884	13	2.5(150)				2000^2430	1200	193		040	903			900	110.5	09.0	37.3	92.0	30.0	33.0
22	00.	.0	1.0(60)														41.0	33.0		17.0	28.5
23			1.5(90)			45004450	2200×1850	1175	1025	705	530	1000		4040	800	90.5	44.5	36.0	72.5	19.5	31.5
24			1.75(105) 2.0(120)			1500×1450				[715]				1640							
26			2.5(150)				2350×2000	1285	1065		640	1060			900	108.5	68.0	57.0	90.0	36.0	54.5
27			1.0(60)		900												41.0	33.0		17.0	27.0
28			1.5(90)				2350×1750 (2400×1750)	1315	1035 (1085)	655	530	1105			800	91.5	44.5	36.5	73.5	19.5	32.0
29			1.75(105)	2PC0		1600×1350	(2100-1100)		(1000)	[000]			_	1740			44.5	30.3		19.5	32.0
30			2.0(120)				2450×2000	1335	1115	705	640	1110			900	110.5	69.0	57.5	92.0	36.0	55.0
31			2.5(150)							[715]						045	40.5	04.0	70.0	47.5	00.5
32			1.0(60) 1.5(90)				2000×2500	1005	005		530	845			800	94.5	42.5	34.0	76.0	17.5	29.5
34			1.75(105)				2000/2000	1003	333	1030		040			000	95.5	46.0	37.5	77.0	20.0	32.5
35			2.0(120)							[1040]											
36			2.5(150)			1100×2100	2150×2500	1130	1020		640	905		1330	900	113.0	69.5	58.5	93.5	36.5	55.0
37			1.0(60)			1100^2100	1900×2550		785					1330		94.5	42.5	34.0	76.0	17.5	29.5
38			1.5(90)				(1950×2550)	1115	(835)	1107	530	845			800	95.5	46.0	37.5	77.0	20.0	32.5
39	952	14	1.75(105)	2S2P	1000					[1112]			45								
40			2.0(120) 2.5(150)				2000×2550	1155	845		640	905			900	113.0	69.5	58.5	93.5	36.5	55.0
42			1.0(60)														42.0	34.0		17.5	29.5
43			1.5(90)				2300×1800	1225	1075	680 [690]	530	1050			800	94.0			75.0		
44			1.75(105)	2PC0		1600×1400				[090]			_	1740			45.5	37.0		20.0	32.5
45			2.0(120)				2450×2000	1335	1115	705	640	1110			900	113.0	69.5	58.5	93.5	36.5	55.0
46			2.5(150)				2 100 12000	1000	1110	[715]	0.10	1110			000	110.0			00.0		
47			1.0(60)						705			705				00.5	44.0	35.5	70.0	17.5	30.5
48			1.5(90) 1.75(105)	2S2P	900	1000×2400	1800×2850	1015	/85	1257	530	795	45	1230	800	99.5	47.5	38.5	79.0	20.0	33.5
50			2.0(120)	2027	900	1000^2400				[1262]			45	1230							
51			2.5(150)				1900×2850	1105	795		640	855			900	121.5	72.5	60.5	100.5	37.0	57.0
52	1020	15	1.0(60)														43.0	35.0		17.5	30.0
53			1.5(90)				2300×1900	1225	1075	700	530	1050			800	97.5	46.5	38.0	77.0	20.0	33.0
54			1.75(105)	2PC0		1600×1500				730 [740]			_	1740			+0.0	50.0		20.0	50.0
55			2.0(120)				2450×2000	1335	1115		640	1110			900	121.5	72.5	60.5	100.5	37.0	57.0
56			2.5(150)																		

⁻ Above tables shows the dimensions on the following conditions
(1) Single elevator in hoistway (2) Without counterweight safety
(3) With fire rated door
Please consult Hitachi or local agent if other specifications are required.

^{*1 ():}Travel distance > 60m

*2 Rated speed 1.0m/s: Travel distance ≤ 60m

Rated speed 1.5 , 1.75m/s: Travel distance ≤ 80m

Rated speed 2.0 , 2.5m/s: Travel distance ≤ 120m

*3 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

⁻ Above tables shows the dimensions on the following conditions
(1) Single elevator in hoistway (2) Without counterweight safety
Please consult Hitachi or local agent if other specifications are required.

^{*1 () :} Travel distance > 60m

*2 [] : With fire rated door

*3 Rated speed 1.0m/s : Travel distance ≤ 60m

Rated speed 1.5 1.75m/s : Travel distance ≤ 80m

Rated speed 2.0 , 2.5m/s : Travel distance ≤ 120m

*4 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

Dimension and reaction loading of hoistway

Based on Hitachi standard for India

			Rated		Door OP	Car internal	*1 Hoistway			14	nestic	n In	nl				Pit	reaction lo	ading *3*4 [kN]	
No.	Load [kg]	Persons	speed [m/s]	Door type	width W	size A × B	X×Y				catio	on [mr	nj				Car side		Cou	nterweight	side
	נפיין		(m/min)	typo	[mm]	[mm]	[mm]	Х3	X4 *1	C *2	D	E	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
7			1.0(60)														55.5	44.5		24.0	39.5
58			1.5(90)				2400×2100	1295	1105	830						117.0	60.5	49.0	93.5	28.0	44.0
59			1.75(105)			1600×1700				[840]		1110		1740				1010		20.0	1110
30			2.0(120)				2450×2100	1330	1120							127.0	74.5	62.0	103.5	37.5	58.0
61	1156	17	2.5(150)	2PC0	1000								_		-						
62			1.0(60)													117.0	54.5	44.0	94.5	23.5	39.0
63			1.5(90)			1800×1500	2600×2000	1390	1210	730		1010		1940		121.0	61.5	50.0	98.5	28.0	44.5
64 65			1.75(105) 2.0(120)			1000×1300				[740]		1210		1940							
66			2.5(150)				2650×2000	1435	1215							127.0	74.5	62.0	103.5	37.5	58.0
67			1.0(60)												1		57.0	45.5		24.5	40.5
68			1.5(90)				2100×2750	1210	890							121.5			97.0		
69			1.75(105)	2S2P		1200×2300				1207		955	45	1430			62.0	50.5		28.0	44.5
70			2.0(120)				2150×2750	1005	015	[1212]						105.5	77.0	640	110 5	38.0	60.0
71	1224	18	2.5(150)		1100		2130×2730	1233	915							135.5	77.0	64.0	110.5	36.0	60.0
72	1224	10	1.0(60)		1100					680							57.5	46.0		24.5	40.5
73			1.5(90)				2800×1950	1495	1305	[690]						123.5	62.5	51.0	98.5	28.5	45.0
74			1.75(105)			2000×1400						1310		2140							
75			2.0(120)				2850×2000	1535	1315	705 [715]						135.5	77.0	64.0	110.5	38.0	60.0
76			2.5(150)	2PC0						[713]			_		-		50.0	47.5		05.0	41.5
77 78			1.0(60) 1.5(90)				2250×2700	1170	1000							128.5	59.0	47.5	102.5	25.0	41.5
79			1.75(105)		1000		2230^2700	1170		1130						120.5	64.0	52.0	102.5	28.5	46.0
80			2.0(120)		1000					[1140]											
81			2.5(150)				2350×2700	1230	1120							138.0	78.0	64.5	112.0	38.0	60.0
82			1.0(60)			1300×2300						1005		1530			59.0	47.5		25.0	41.5
83			1.5(90)					1290	910							128.5	24.0	50.0	102.5		1
84	1292	19	1.75(105)	2S2P			2200×2750			1207 [1212]	640		95		900		64.0	52.0		28.5	46.0
85			2.0(120)					1305	895	[1212]						138.0	78.0	64.5	112.0	38.0	60.0
86			2.5(150)		1100			1303	093							130.0	70.0	04.5	112.0	30.0	00.0
87			1.0(60)		1100												59.0	47.5		25.0	41.5
88			1.5(90)				2800×2000	1495	1305	730						128.5	64.0	52.0	102.5	28.5	46.0
89			1.75(105)			2000×1500				[740]		1310		2140							
90 91			2.0(120) 2.5(150)				2850×2000	1535	1315							138.0	78.0	64.5	112.0	38.0	60.0
91			1.0(60)												-		60.0	48.0		25.0	42.0
93			1.5(90)				2600×2100	1395	1205							65.5x2sets	00.0	40.0	103.5	25.0	42.0
94			1.75(105)		1000	1800×1700	2000-2100	1000	1200	830		1210		1940		131.0	65.0	52.5	100.0	29.0	46.5
95			2.0(120)							[840]											
96			2.5(150)				2650×2100	1435	1215							141.0	78.5	65.5	113.5	38.5	60.5
97	1360	20	1.0(60)												1	00 0504-	60.0	48.0		24.5	42.0
98			1.5(90)				2800×2050	1495	1305	7						66.25x2sets	65.0	53.5	105.0	28.5	46.0
99			1.75(105)	2PC0	1100	2000×1550				755 [765]		1310	—	2140		132.5	0.00	00.0		20.5	40.0
00			2.0(120)				2850×2050	1535	1315							141.0	78.5	65.5	113.5	38.5	60.5
01			2.5(150)					. 500							-						
02			1.0(60)													67.75x2sets	61.0	49.0		25.0	42.5
03	1400	0.4	1.5(90)		1000	1000::1750	2600×2150	1395	1205	855		1010		1010			66.5	54.0	106.5	29.0	47.0
04	1428	21	1.75(105)		1000	1800×1750				[865]		1210		1940		135.5					
05 06			2.0(120) 2.5(150)				2650×2150	1435	1215							151.5	82.0	68.0	122.5	39.0	63.0
06			1.0(60)												1	71.5x2sets	63.5	50.5	113.5	25.5	44.0
08			1.5(90)					1245	1255							71.5x2sets 72.5x2sets					
09	1496	22	1.75(105)		1100	1400×2400	2500×2800			1180		1055		1630		145.0	69.5	56.0	115.5	29.5	49.0
10	-		2.0(120)							[1190]							06 -	00 -	10:0	00 -	
	- 1		2.5(150)		I	1	I	1255	1245			1			1	154.0	82.5	68.5	124.0	39.5	63.0

Based on Hitachi standard for India

			Rated		Door OP	Car internal	Hoistway *1			١٥		n [mı	1				Pit	reaction lo	ading *3*4 [I	kN]	
No.	Load [kg]	Persons	speed [m/s]	Door type	width W	size A × B	X×Y			LU	Gallu	ıı (ıııı	Ш				Car side		Cou	nterweight	side
	[real		(m/min)	typo	[mm]	[mm]	[mm]	ХЗ	X4 *1	C*2	D	Е	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
112			1.0(60)													71.5x2sets	63.5	50.5	113.5	25.5	44.0
113			1.5(90)							1057						72.5x2sets	69.5	56.0	115.5	29.5	49.0
114	1496	22	1.75(105)	2S2P	1200	1400×2400	2300×2850	1355	945	1257 [1262]		1055	95	1630		145.0	09.5	30.0	110.0	25.5	45.0
115			2.0(120)													154.0	82.5	68.5	124.0	39.5	63.0
116			2.5(150)													104.0	02.0	00.0	124.0	00.0	00.0
117			1.0(60)													75.0x2sets	66.0	52.5		26.0	45.5
118			1.5(90)				2800×2150	1495	1305	855							71.0	57.5	118.5	30.0	50.0
119	1564	23	1.75(105)			2000×1750				[865]						150.0					
120			2.0(120)				2850×2150	1535	1315							156.5	83.5	69.5	125.0	39.5	63.5
121			2.5(150)									1310		2140							
122			1.0(60)				00000000		4005							77.75x2sets	67.5	54.0	100 5	26.5	46.5
123			1.5(90)	2PC0	1100	000001000	2800×2200	1495	1305	880						155.5	72.5	58.5	122.5	30.5	50.5
124 125			1.75(105) 2.0(120)	2PC0	1100	2000×1800				[890]			_			155.5					
126			2.5(150)				2850×2200	1535	1315		640				900	159.5	84.5	70.0		39.5	64.0
127	1632	24	1.0(60)								040				300		69.0	55.0		26.5	47.0
128			1.5(90)				2900×2100	1540	1360							79.5x2sets	03.0	33.0	126.5	20.0	47.0
129			1.75(105)			2100×1700	2000/12100	1010	1000	830		1360		2240		159.0	74.0	59.5	120.0	30.5	51.5
130			2.0(120)							[840]											
131			2.5(150)				2950×2100	1585	1365							159.5	84.5	70.0		39.5	64.0
132			1.0(60)														65.0	57.5		34.5	50.5
133	1768	26	1.5(90)		1200	1500×2500	2500×2950	1555	945	1307 [1312]			145			84.25x2sets			133.0		55.0
134			1.75(105)	0000						[1012]				4700		168.5	70.0	62.0		38.5	55.0
135			1.0(60)	2S2P								1130		1730		00.0.0	67.0	59.0		35.5	52.0
136			1.5(90)		1300	1500×2700	2500×3150	1505	995	1407 [1412]			95			88.0x2sets	70.0	640		20.5	EG E
137	1904	28	1.75(105)							[.712]						176.0	72.0	64.0	137.5	39.5	56.5
138	1904	20	1.0(60)							000						88.0x2sets	67.0	59.0	137.3	35.5	52.0
139			1.5(90)	2PC0	1100	2000×2000	2900×2400	1610	1290	980		1335	-	2140		00.0425815	72.0	64.0		39.5	56.5
140			1.75(105)							[000]						176.0	12.0	04.0		09.0	50.5

⁽¹⁾ Single elevator in hoistway (2) Without counterweight safety Please consult Hitachi or local agent if other specifications are required.

^{*1 ():} Travel distance > 60m
*2 []: With fire rated door
*3 Rated speed 1.0m/s: Travel distance ≤ 60m
Rated speed 1.5 , 1.75m/s: Travel distance ≤ 80m
Rated speed 2.0 , 2.5m/s: Travel distance ≤ 120m
*4 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

Above tables shows the dimensions on the following conditions
 (1) Single elevator in hoistway (2) Without counterweight safety
 Please consult Hitachi or local agent if other specifications are required.

^{*1 () :} Travel distance > 60m
*2 [] : With fire rated door
*3 Rated speed 1.0m/s: Travel distance ≤ 60m
Rated speed 1.5, 1.75m/s: Travel distance ≤ 80m
Rated speed 2.0, 2.5m/s: Travel distance ≤ 120m
*4 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

Dimension and reaction loading of hoistway

■Based on SS550

			Rated		Door OP	Car internal	*1 Hoistway					F					Pit	reaction lo	ading *3*4 [I	kN]	
No.	Load [kg]	Persons	speed [m/s]	Door type	width W	size A × B	X×Y			LC	catio	n [mı	mj				Car side		Cou	nterweight	side
	נפייו		(m/min)	typo	[mm]	[mm]	[mm]	ХЗ	X4 *1	C *2	D	E	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
1			1.0(60)							680							35.0	28.0		16.0	25.5
2			1.5(90)			1100×1400	1950×1850	1035	915	[690]		845		1330			38.5	31.5		18.5	28.5
3	600	8	1.75(105)		800										-	71.5	05.0	00.0	59.0	400	05.5
5			1.0(60)			1/00×1100	2150×1750	1150	1000	635	530	950		1540	800		35.0	28.0		16.0	25.5
6			1.75(105)			1400/1100	2130/1730	1130	1000	[645]	300	330		1540	000		38.5	31.5		18.5	28.5
7			1.0(60)														37.0	30.0		16.5	26.5
8			1.5(90)				2200×1850	1175	1025	680 [690]		970				78.0	40.5	33.0	63.0	19.0	29.5
9	750	11	1.75(105)			1350×1400								1580			40.5	35.0		19.0	29.0
10			2.0(120)				2300×2050	1260	1040		640	1030			900	101.0	66.0	55.5	85.5	35.5	53.0
11			2.5(150)	2PC0									-				41.0	22.0		17.0	20.5
13			1.0(60)				2250×1900	1200	1050	705	530	1000			800	90.5	41.0	33.0	72.5	17.0	28.5
14			1.75(105)			1500×1450	220071000	1200	1000	[715]		1000		1640		00.0	44.5	36.0	72.0	19.5	31.5
15			2.0(120)				0.400,40050	1010	4000		040	4000			000	400.5	20.0	57.0	20.0	20.0	545
16	885		2.5(150)				2400×2050	1310	1090		640	1060			900	108.5	68.0	57.0	90.0	36.0	54.5
17	000		1.0(60)							655							38.0	33.5		21.0	28.5
18			1.5(90)		000		2450×1800	1355	1095	[665]	530	1105		4740	800	91.5	41.0	36.5	73.5	24.0	31.5
19 20			1.75(105) 2.0(120)		900	1600×1350				705				1740							
21			2.5(150)				2500×2050	1360	1140	705 [715]	640	1110			900	108.5	68.0	57.0	90.0	36.0	54.5
22		13	1.0(60)														41.0	33.0		17.0	29.0
23			1.5(90)				1950×2500	1135	815		530	845			800	91.0	44.5	36.5	73.0	20.0	32.0
24			1.75(105)	2S2P		1100×2000				1057 [1062]			95	1330			44.5	30.3		20.0	32.0
25			2.0(120)				2050×2500	1230	820		640	905			900	111.0	69.0	58.0	92.5	36.0	55.0
26 27	900		2.5(150)														41.5	22.5		17.0	20.0
28			1.0(60)				2350×1850	1250	1100	680	530	1050			800	92.0	41.5	33.5	74.0	17.0	29.0
29			1.75(105)	2PC0		1600×1400	2000/1000	1200	1100	[690]	300	1000	_	1740	000	32.0	45.0	36.5	74.0	20.0	32.0
30			2.0(120)				0500,0050	4000	4440	705	040	4440			000	444.0	20.0	50.0	20.5	20.0	55.0
31			2.5(150)				2500×2050	1360	1140	[715]	640	1110			900	111.0	69.0	58.0	92.5	36.0	55.0
32			1.0(60)														42.0	33.5		17.5	29.5
33	050		1.5(90)	0000	1000		2000×2600	1140	860	1107	530	845	4.5	4000	800	93.0	45.5	37.0	75.0	20.0	32.0
34	950	14	1.75(105) 2.0(120)	2S2P	1000	1100×2100				[1112]			45	1330							
36			2.5(150)				2050×2600	1180	870		640	905			900	113.0	69.5	58.5	93.5	36.5	55.0
37			1.0(60)														44.0	35.5		17.5	30.5
38			1.5(90)				2350×2000	1250	1100	7	530	1050			800	99.5	47.5	38.5	79.0	20.0	33.5
39	1020	15	1.75(105)	2PC0	900	1600×1550				755 [765]			-	1740			47.5	36.3		20.0	33.3
40			2.0(120)				2500×2100	1360	1140			1110				115.5	70.5	59.0	95.0	36.5	55.5
41			2.5(150)												-		F6.0	45.0		24.0	40.0
42			1.0(60)				2150×2800	1235	915							118.5	56.0	45.0	95.5	24.0	40.0
44			1.75(105)	2S2P	1100	1200×2300	210072000	1200	010	1207		955	45	1430		110.0	61.0	49.5	00.0	28.0	44.5
45			2.0(120)				0000,4000	4000	0.40	[1212]						400.5	740	20.0	400.5	07.5	50.0
46			2.5(150)				2200×2800	1260	940							126.5	74.0	62.0	103.5	37.5	58.0
47			1.0(60)														55.5	44.5		24.0	39.5
48	4450		1.5(90)			4000:	2450×2150	1320	1130	830	640				900	116.5	60.5	49.0	93.5	28.0	44.0
49 50	1150	17	1.75(105) 2.0(120)			1600×1700				[840]		1110		1740							
51			2.5(150)				2500×2150	1355	1145							126.5	74.0	62.0	103.5	37.5	58.0
52			1.0(60)	2PC0	1000								-		1		55.0	44.0		24.0	39.5
53			1.5(90)				2650×2050	1420	1230							116.0		40.0	92.5	20.0	12 5
54			1.75(105)			1800×1500				730 [740]		1210		1940			60.0	49.0		28.0	43.5
55			2.0(120)				2700×2050	1460	1240							126.5	74.0	62.0	103.5	37.5	58.0
56			2.5(150)																		

- Above tables shows the dimensions on the following conditions
 (1) Single elevator in hoistway (2) Without counterweight safety
 Please consult Hitachi or local agent if other specifications are required.

- *1 (): Travel distance > 60m

 *2 []: With fire rated door

 *3 Rated speed 1.0m/s: Travel distance ≤ 60m

 Rated speed 1.5 1.75m/s: Travel distance ≤ 80m

 Rated speed 2.0 , 2.5m/s: Travel distance ≤ 120m

 *4 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

■Based on SS550

			Rated		Door OP	Car internal	Hoistway *1					r	w1				Pit	reaction lo	ading *3*4 [kN]	
No.	Load [kg]	Persons	speed [m/s]	Door type	width W	size A × B	X×Y			Lo	catio	n [mi	nj				Car side		Cou	nterweight	side
	[r/g]		(m/min)	турс	[mm]	[mm]	[mm]	Х3	X4 *1	C *2	D	Е	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
57			1.0(60)														57.0	46.0		24.5	40.5
58			1.5(90)				2850×2000	1520	1330	680 [690]						122.5	60.5	E0 E	98.0	00.5	45.0
59	1200	17	1.75(105)	2PC0		2000×1400				[030]		1310	_	2140			62.5	50.5		28.5	45.0
60			2.0(120)				2900×2050	1560	1240	705						134.5	77.0	63.5	110.0	38.0	59.5
61			2.5(150)		1100		2900^2030	1300	1340	[715]						134.3	77.0	03.5	110.0	36.0	39.3
62			1.0(60)		1100												59.0	47.5		25.0	41.5
63			1.5(90)					1315	935	1007						128.5	64.0	52.0	102.5	28.5	46.0
64	1290	19	1.75(105)	2S2P		1300×2300	2250×2800			1207 [1212]		1005	95	1530			04.0	32.0		20.0	40.0
65			2.0(120)					1330	920							138.0	78.0	64.5	112.0	38.0	60.0
66			2.5(150)																		
67			1.0(60)													66.25x2sets	60.5	48.5		25.0	42.5
68			1.5(90)				2650×2200	1420	1230	855						132.5	65.5	53.0	105.0	29.0	46.5
69			1.75(105)		1000	1800×1750				[865]		1210		1940							
70			2.0(120)				2700×2200	1460	1240							140.5	78.5	65.0	113.0	38.5	60.5
71	1350	20	2.5(150)	2PC0									_		-						
72			1.0(60)					, = 0.0								66.25x2sets	60.5	48.5		25.0	42.5
73			1.5(90)			0000	2850×2100	1520	1330	755						132.5	65.5	53.0	105.0	29.0	46.5
74			1.75(105)		1100	2000×1550				[765]		1310		2140							
75			2.0(120)				2900×2100	1560	1340							140.5	78.5	65.0	113.0	38.5	60.5
76 77			2.5(150) 1.0(60)													72.0x2sets	64.0	51.5		26.0	44.5
78			1.5(90)					1365	005							72.0X2SetS	04.0	51.5	114.0	20.0	44.5
79	1500	22	1.75(105)	2S2P	1200	1400×2400	2350×2900	1303	900	1257		1055	95	1630		144.0	69.0	56.0	114.0	29.5	48.5
80	1300	22	2.0(120)	2021	1200	1400/2400	2550^2500			[1262]		1033	93	1030							
81			2.5(150)					1380	970							154.0	83.0	68.5	124.0	39.5	63.0
82			1.0(60)													75.0x2sets	66.0	53.0		26.0	45.5
83			1.5(90)				2850×2200	1520	1330		640				900				118.5		
84	1565	23	1.75(105)			2000×1750				855						150.0	71.0	57.5		30.0	50.0
85			2.0(120)							[865]											
86			2.5(150)				2900×2200	1560	1340							156.5	83.5	69.5	125.0	39.5	63.5
87			1.0(60)									1310		2140		77.75x2sets	67.5	54.0		26.5	46.5
88			1.5(90)				2850×2250	1520	1330							455.5	70.5	50.5	122.5	00.5	50.5
89			1.75(105)	2PC0	1100	2000×1800				880 [890]			_			155.5	72.5	58.5		30.5	50.5
90			2.0(120)				2900×2250	1560	1240	[000]						161.0	85.0	70.5	128.5	39.5	64.5
91	1630	24	2.5(150)				2900^2250	1300	1340							101.0	05.0	70.5	120.5	39.3	04.5
92	1000	24	1.0(60)													76.5x2sets	66.5	53.0		26.5	46.0
93			1.5(90)				2950×2150	1570	1380	830						153.0	71.5	58.0	120.5	30.5	50.0
94			1.75(105)			2100×1700				[840]		1360		2240							
95			2.0(120)				3000×2150	1610	1390							159.0	84.0	69.5	126.5	39.5	64.0
96			2.5(150)																		
97			1.0(60)							1307						83.0x2sets	64.5	56.5		34.5	50.5
98	1700	25	1.5(90)	2S2P	1200	1500×2500	2550×3000	1580	970	[1312]		1130	145	1730		166.0	69.0	61.5	131.5	38.5	54.5
99			1.75(105)												-	06 50	60.5	L0 L		05.0	F1 F
100	1005	07	1.0(60)	2000	1100	2000×2000	205022450	1605	1015	980		1225		01.40		86.5x2sets	66.5	58.5	120 5	35.0	51.5
101	1835	27	1.5(90)	2PC0	1100	ZUUUXZUUU	2950×2450	1035	1315	[990]		1335	_	2140		173.0	71.0	63.0	136.5	39.0	56.0
102			1.75(105) 1.0(60)					\vdash							-	88.0x2sets	67.0	59.0		35.5	52.0
103	1905	28	1.5(90)	2S2P	1300	1500×2700	2550×3200	1530	1020	1407		1130	95	1730		OO.UXZSEIS	01.0	59.0	137.5	33.5	52.0
104	1300	20	1.75(105)	2027	1300	1500^2/00	2000/0200	1000	1020	[1412]		1130	33	1730		176.0	72.0	64.0	137.3	39.5	56.5
103			1.0(60)												1	90.75x2sets	68.5	60.5		36.0	53.0
107	2000	29	1.5(90)	2PC0	1100	2000×2100	2950×2550	1635	1315	1030		1335	_	2140		JU.1 JAZ3013	00.0	50.5	141.5	55.0	33.0
107	2000		1.75(105)	2, 00	1.00			1000	,010	[1040]						181.5	73.5	65.5		40.0	57.5
Notes			0 (100)		l	I.			1 / 1) : Trav	(al dia								l .		L

- Notes

 Above tables shows the dimensions on the following conditions
 (1) Single elevator in hoistway (2) Without counterweight safety
 Please consult Hitachi or local agent if other specifications are required.

- *1 () : Travel distance > 60m

 *2 [] : With fire rated door

 *3 Rated speed 1.0m/s: Travel distance ≤ 60m

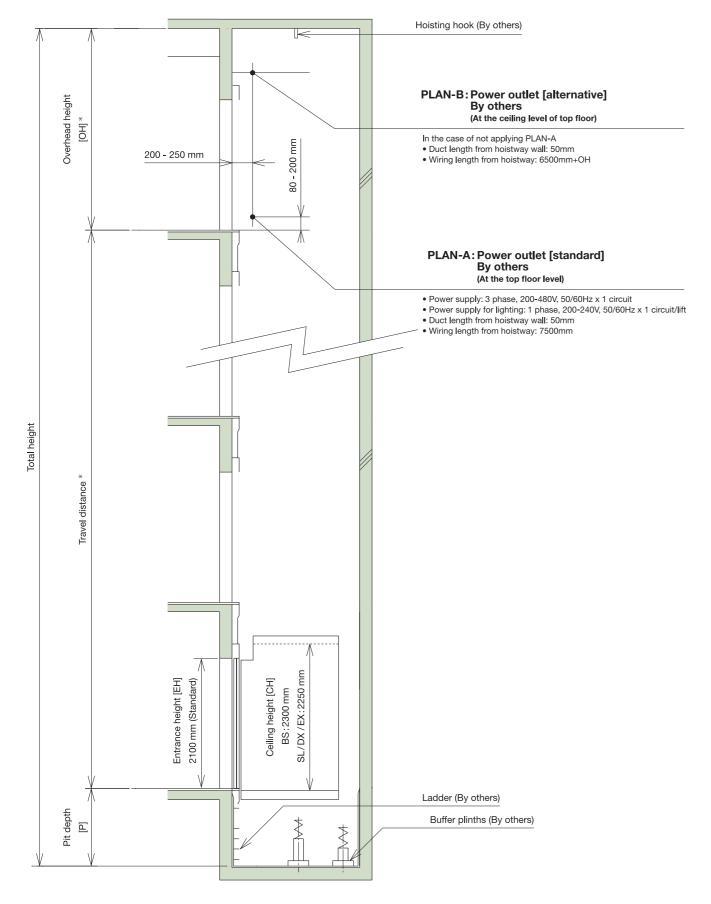
 Rated speed 1.5 1,75m/s: Travel distance ≤ 80m

 Rated speed 2.0 , 2.5m/s: Travel distance ≤ 120m

 *4 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

Overhead Height and Pit Depth

Hoistway section



st If total number of floors is 2, please consult Hitachi or local agent about minimum travel distance and overhead height.

■Dimensions for overhead height, pit depth and other specifications

Standard overhead height: OH *1 *2 *3 [mm]

No.	[m/s]		Hitachi standard chi standard for l		9	EN81-20/50 SASO-EN81-20/50)	Ma	laysian regulatio	ns
	(m/min)	Load ≤ 1050kg	Load ≥ 1150kg	Load > 1600kg	Load ≤ 1050kg	Load ≥ 1150kg	Load > 1600kg	Load ≤ 1050kg	Load ≥ 1150kg	Load > 1635kg
1	1.0(60)	3750	4150	4300	4150	4250	4300	4200 (4320)	4300 (4420)	4350(4470)
2	1.5(90)	(3870)	(4270)	(4420)	(4270)	(4370)	(4420)	4400 (4520)	4400 (4520)	4400 (4520)
3	1.75(105)	4050 (4170)	4350 (4470)	4350(4470)	4350(4470)	4350 (4470)	4350 (4470)	4450 (4570)	4450 (4570)	4450 (4570)
4	2.0(120)	4600 (4600)	4600 (4600)		4600 (4600)	4600 (4600)		5600 (5720)	5600 (5720)	<u>_</u>
5	2.5(150)	4700 (4700)	4700 (4700)	_	4700 (4700)	4700 (4700)	_	5750 (5870)	5750 (5870)	_

No.	Rated speed [m/s] (m/min)	Load ≤ 1050kg	\$\$550 Load ≥ 1150kg	Load > 1630kg
1	1.0(60)	3950(4070)	4150(4270)	4300 (4420)
2	1.5(90)	4150(4270)	4400 (4520)	4400 (4520)
3	1.75(105)	4300 (4420)	4500 (4620)	4500 (4620)
4	2.0(120)	5500 (5620)	5500 (5620)	
5	2.5(150)	5650 (5770)	5650 (5770)	_

Minimum pit depth : P *4 [mm]

No.	Rated speed [m/s]	Hitad	Hitachi standard chi standard for I EN81-20/50 SASO-EN81-20/50	ndia	Ма	laysian regulatio	ns		SS550	
	(m/min)	Load ≤ 1050kg Load ≥ 1150kg		Load > 1600kg	Load ≤ 1050kg	Load ≥ 1150kg	Load > 1635kg	Load ≤ 1050kg	Load ≥ 1150kg	Load > 1630kg
1	1.0(60)	1350	1600	1650	1500	1750	1750	1500	1750	1900
2	1.5(90)	1330	1600	1650	1600	1850	1900	1600	1900	2050
3	1.75(105)	1450	1700	1800	1650	1950	2000	1650	2100	2250
4	2.0(120)	2000 2300	2300	<u></u>	2050 (2000)	2300	<u></u>	2050 (2000)	2300	_
5	2.5(150)	2050	2350	_	2150(2050)	2350	_	2200 (2050)	2350	_

Others

No.	Rated speed [m/s] (m/min)	Maximum number of stops	Maximum travel distance [m]
1	1.0(60)	24	60
2	1.5(90)	32	80
3	1.75(105)	52	30
4	2.0(120)	36	120
5	2.5(150)	36	120

- Above tables shows the dimensions based on standard specifications. Please consult Hitachi or local agent if other specifications are required.

■Rated Speed 1.75m/s or less

*1 ():SL/DX/EX series ceiling

*2 Travel distance ≤ 30m
30m < Travel distance ≤ 60m : Above overhead height + 50mm
60m < Travel distance ≤ 80m : Above overhead height + 100mm

*3 Overhead height will be increased accordingly if either EH or CH increases.

*4 Travel distance ≤ 45m

LOAD ≤ 1050kg
45m < Travel distance ≤ 60m : Above pit depth + 50mm
60m < Travel distance : Above pit depth + 200mm

LOAD ≥ 1150kg
45m < Travel distance : Above pit depth + 50mm

■Rated Speed 2.0m/s or 2.5m/s

*1 ():SL/DX/EX series ceiling

*2 30m ≤ Travel distance ≤ 45m 45m < Travel distance ≤ 80m : Above overhead height + 50mm

80m < Travel distance ≤ 120m : Above overhead height + 100mm

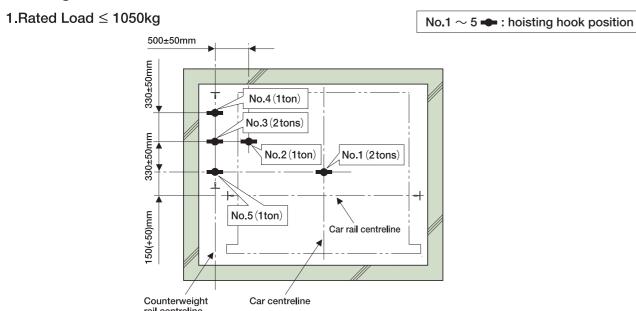
*3 Overhead height will be increased accordingly if either EH or CH increases.

*4 For SS550 and Malaysian regulations, (): Travel distance ≤ 60m

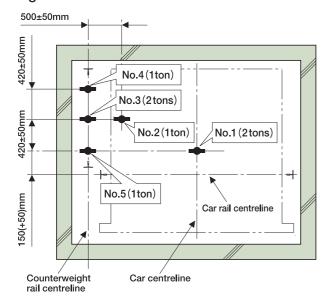
Location of hoisting hook and hoisting beam

If the hoistway is made of reinforced concrete, hoisting hooks (installed by other contractors) are required at the top of the hoistway. If the hoistway is a steel structure, hoisting beams (installed by other contractors) are required at the top of the hoistway. The details of the hoisting hook and hoisting beam mounting position are as follows:

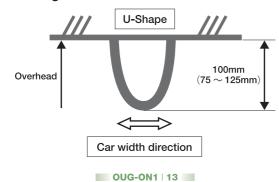
1 Hoisting hooks



2.Rated Load > 1050kg



3. Orientation and size of Hoisting Hooks



Notes

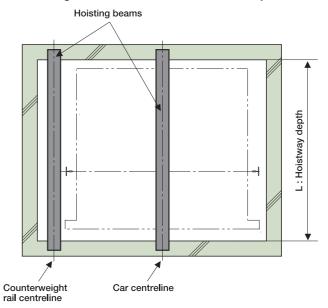
- The hoisting hooks should be orientated such that the U-shape is facing the hoistway landing
- entrance.

 This hoisting hook size is required to ensure that the hoisting equipment can fit in.

2 Hoisting beams

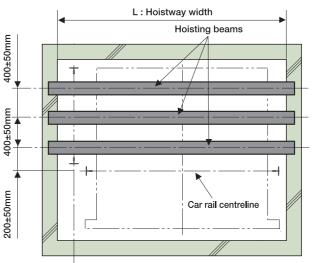
1. Hoisting beams layout (Standard)

Hoisting beams in the direction of car depth

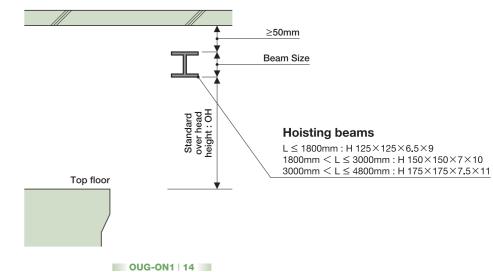


2. Hoisting beams layout (Alternative)

Hoisting beams in the direction of car width



3. Height of Hoisting beams



Electrical information

Required capacity of circuit breaker, transformer & starting power at building side

■Electrical Data

	Load	Rated speed	Motor	Supply	Brea	aker capac	ity [A]	Transfor	mer capac	ity [kVA]	Starting	Lead-	in wire for drive	e [mm²]	Earth wire	Calorific value
No.	[kg]	[m/s] (m/min)	capacity [kW]	voltage [V]	1 unit	2 units	3 units	1 unit	2 units	3 units	power [kVA]	1 unit	2 units	3 units	[mm²]	[kcal/hr]
1				220-230	100	125	150					22.0	38	60	3.5	
2		1.0(60)	3.9	380-415	20	30	30	5	9	12	15	- F	14	14	20	830
3				440-480	50	75	100					5.5	8	14	2.0	
4				220-230	100	125	150					22.0	60	60	3.5	
5	451 ~ 630	1.5(90)	5.8	380-415	30	30	40	6	11	15	20	8.0	14	22	2.0	1250
6				440-480	50	75	100					5.5		14		
7				220-230	100	125	150					38.0	60	100	3.5	
8		1.75(105)	6.8	380-415	30	40	50	7	12	17	23	8.0	14	22	2.0	1460
9				440-480	50	75	100					20.0		14	0.5	
10		1.0/60)	4.6	220-230 380-415	100	125 30	150	5	9	40	16	22.0	38	60	3.5	990
11		1.0(60)	4.6	440-480	20 50	75	40 100	٦	9	12	16	5.5	14	14	2.0	990
13				220-230	100	125	150	7	12	17		38.0	60	100	3.5	
14	631 ~ 750	1.5(90)	6.9	380-415	30	40	50	6	11	15	23	36.0	00	22	3.3	1490
15	001 - 700	1.5(90)	0.9	440-480	50	75	100	0	- ''	10	- 20	8.0	14	14	2.0	1430
16				220-230	100	125	150					38.0	60	100		
17		1.75(105)	8.1	380-415	40	40	50	7	12	17	26	14.0	22	100	3.5	1730
18				440-480	50	75	100					8.0	14	22	""	
19				220-230	175	200	250					60.0	150	150(114m)*1	5.5	
20		2.0(120)	11.0	380-415	40	50	75	14	26	36	44	22.0	38	60		1980
21				440-480	100	100	150					14.0	22	38	3.5	
22	748 ~ 750			220-230	175	200	250					100.0	150(138m)*1	150(98m)*1	5.5	
23		2.5(150)	13.0	380-415	50	60	100	16	30	41	50	22.0		60		2470
24				440-480	100	100	150					14.0	38	38	3.5	
25				220-230	100	125	150					22.0		60		
26		1.0(60)	5.6	380-415	30	30	40	6	11	15	19	8.0	14	22	2.0	1190
27				440-480	50	75	100					5.5	14	14	2.0	
28				220-230	100	125	150	8	14	19		38.0	60	100		
29		1.5(90)	8.3	380-415	40	40	50	7	12	17	27	14.0	22	38	3.5	1780
30				440-480	50	75	100	8	14	19		8.0	14	22		
31				220-230	100	125	150	10	17	24		38.0	100	150	5.5	
32	751 ~ 900	1.75(105)	9.7	380-415	40	40	60	9	16	22	30	14.0	22	38	3.5	2080
33				440-480	50	75	100	10	17	24		8.0	14	22		
34				220-230	175	200	250					100.0	150(148m)*1	150(106m)*1	5.5	
35		2.0(120)	12.0	380-415	50	60	75	15	28	39	47	22.0	38	60	3.5	2380
36				440-480	100	100	150					14.0	450(404)*1	38		
37		2.5(150)	15.0	220-230 380-415	175 50	200 75	250 100	18	33	46	57	100.0	150(121m)*1 60	150(86m)*1	5.5	2970
39		2.5(150)	15.0	440-480	50	100	100	10	33	40	5/	22.0	38	60	3.5	2970
40				220-230	100	125	150					38.0	60	100	3.5	
41		1.0(60)	6.5	380-415	30	40	40	7	12	17	22	8.0	00	22		1390
42		1.0(00)	0.0	440-480	50	75	100	,	'-	''		5.5	14	14	2.0	1000
43				220-230	100	125	150	9	16	22		38.0	100	150	5.5	
44		1.5(90)	9.7	380-415	40	40	60	8	14	19	30	14.0	22	38		2080
45				440-480	50	75	100	9	16	22	1	8.0	14	22	3.5	
46				220-230	100	125	150					60.0	100	150	5.5	
47	901 ~ 1050	1.75(105)	11.7	380-415	40	50	75	10	17	24	36		38		0.5	2430
48				440-480	50	75	100	1				14.0	22	38	3.5	
49				220-230	175	200	250					100.0	150(138m)*1	150(98m)*1	5.5	
50		2.0(120)	13.0	380-415	50	60	100	16	30	41	50	22.0	38	60	3.5	2770
51				440-480	100	100	150					14.0	30	38	3.5	
52				220-230	175	200	250					100.0	150(108m)*1	150(77m)*1		
53		2.5(150)	17.0	380-415	60	75	100	20	37	51	64	38.0	60	100	5.5	3460
54				440-480	100	100	150					22.0	38	60		
55				220-230	100	125	100					38.0	60	100	3.5	
56		1.0(60)	7.1	380-415	40	40	50	7	12	17	23	8.0	14	22		1520
57	1051 ~ 1150			440-480	50	75	100								2.0	
58				220-230	100	125	150	10	17	24		60.0	100	150	5.5	
59 60		1.5(90)	11.0	380-415	40	50	75	9	16	22	34	14.0	22	38	3.5	2280
				440-480	50	75	100	10	17	24			I	22	I	

■Electrical Data

No	Load	Rated speed	Motor	Supply	Brea	ker capac	ity [A]	Transfor	mer capaci	ity [kVA]	Starting	Lead-	in wire for drive	e [mm²]	Earth wire	Calorific value
No.	[kg]	[m/s] (m/min)	capacity [kW]	voltage [V]	1 unit	2 units	3 units	1 unit	2 units	3 units	power [kVA]	1 unit	2 units	3 units	[mm²]	[kcal/hr]
61				220-230	100	125	150					60	100	150(146m)*1	5.5	
62		1.75(105)	13	380-415	50	60	75	11	19	26	40	14	38	38	3.5	2660
63				440-480		75	100					1-7	22	00	0.0	
64				220-230	175	200	250					100	150(121m)*1	150(86m)*1	5.5	
65	1051 ~ 1150	2.0(120)	15	380-415	50	75	100	18	33	46	57	22	60	60	3.5	3030
66				440-480	100	100	150						38			
67				220-230	175	200	250					150	150(102m)*1	150(73m)*1	5.5	
68		2.5(150)	18	380-415	60	75	125	21	39	54	68	38	60	100		3790
69				440-480	100	100	150					22	38	60		
70		4.0(00)	0.0	220-230	40	125		8	14	19	0.7	38	60	100	3.5	4700
71		1.0(60)	8.3	380-415	40	40	50	7	12	17	27	14	22	38		1780
72				440-480	50 100	75	100 150	8	14	19		8 60	14	22 150(146m)*1	F F	
73		1.5(90)	13	220-230 380-415	100	125 60	75	11	19	26	40	60	38	150(14611)**	5.5	2670
74 75		1.5(90)	13	440-480	50	75	100	''	19	20	40	14	22	38	3.5	2670
76				220-230	100	125	150					60	150	150(128m)*1	5.5	
77	1151 ~ 1350	1.75(105)	15	380-415	100	60	150	12	21	29	45	22	38	60	5.5	3120
78	1131 1330	1.73(103)	15	440-480	50	75	100	12		23	45	14	22	38	3.5	3120
79				220-230	175	200	250					100	150(108m)*1	150(77m)*1		
80		2.0(120)	17	380-415	60	75	100	20	37	51	64	38	60	100	5.5	3560
81		2.0(120)	.,	440-480	100	100	150		"			22	38	60	3.5	0000
82				220-230	175	200	250	25	46	64		150	150(88m)*1	150(63m)*1	0.0	
83		2.5(150)	21	380-415	60		125	24	44	62	78	38			-	4450
84				440-480		100		25	46	64		22	60	100	5.5	
85				220-230	100	125	150					38	100	150		
86		1.0(60)	10	380-415	40	50	60	9	16	22	31	14	22	38		2160
87				440-480	50	75	100					8	14	22	3.5	
88				220-230	100	125	150					60	150	150(128m)*1	5.5	
89		1.5(90)	15	380-415		60	100	12	21	29	45	22	38	60	2.5	3230
90				440-480	50	75	100					14	22	38	3.5	
91				220-230	100	125	150	15	26	36		100	150	150(109m)*1	5.5	
92	1351 ~ 1635	1.75(105)	18	380-415	60	75	100	14	24	33	53	22	38	60	5.5	3770
93				440-480	50	15	100	15	26	36		14	30	38	3.5	
94				220-230	175	200	250	25	46	64		150	150(88m)*1	150(63m)*1		
95		2.0(120)	20	380-415	60	100	125	24	44	62	78	38	60	100	5.5	4310
96				440-480	100	100	150	25	46	64		22				
97				220-230	175	200	250					150(131m)*1	150(72m)*1	*2	8.0	
98		2.5(150)	25	380-415	75	125	150	30	55	77	95	38	100	150		5390
99				440-480	100	100							60	100	5.5	
100				220-230	175	200	250					60	150	144(63m)*1		
101		1.0(60)	12	380-415	50	50	75	10	17	24	38	14	38	38	3.5	2380
102				440-480	100	100	150						22	()		
103	1000 1000	4.5(00)	47	220-230	175	200	250					100	150(144m)*1	150(105m)*1	5.5	0500
104	1636 ~ 1800	1.5(90)	17	380-415	60	75	100	14	24	33	51	22	38	60	0.5	3560
105				440-480	100	100	150					14	150(124m)*1	38 150(90m)*1	3.5	
106		1.75(105)	20	220-230 380-415	175	200	250	16	28	38	60	100	60	150(9011)**		4150
107		1.75(105)	20	440-480	100	100	125 150	10	20	36	00	22	38	60	5.5	4150
109				220-230	175	200	250					60	150	150(134m)*1		
110		1.0(60)	13	380-415	50	60	75	11	19	26	40	- 00	38	150(15411)		2640
111		1.0(00)	13	440-480	100	100	150	''	19	20	40	14	22	38	3.5	2040
112		-		220-230	175	200	250					100	150(130m)*1	150(94m)*1		
113	1801 ~ 2000	1.5(90)	19	380-415	60	75	100	15	26	36	57	100	100 (10011)	60	5.5	3960
114	1001 2000	1.0(00)		440-480	100	100	150	'	20	"	"	22	38	38	3.5	5550
115		-		220-230	175	200	250					150	150(113m)*1	150(82m)*1	5.5	
116		1.75(105)	22	380-415	75		125	18	31	43	65	38		100	5.5	4620
117				440-480	100	100	150		•		"	22	60	60	3.3	.525
Notes					. 30					L						

⁻ Maximum length of lead-in wire is 150m, maximum lead-in wire size is 150mm^2 .

^{*1 ():} Maximum length of lead-in wire with 150mm². *2 Please consult Hitachi or local agent about maximum size and maximum length of lead-in wire.

Notes
- Maximum length of lead-in wire is 150m, maximum lead-in wire size is 150mm².

^{*1 ():} Maximum length of lead-in wire with 150mm². *2 Please consult Hitachi or local agent about maximum size and maximum length of lead-in wire.

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