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 business concept conveying our thoughts.

Building Systems Business Unit

WATERRASTower, 2-101, Kanda Awajicho, Chiyoda-ku, Tokyo, 101-8941 Japan http://www.hitachi.com

Contact Address:		

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





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Caring for you, and making you feel comfortable.

HUMAN FRIENDLY

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 1924.

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 ultra-high-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 ultra-high-speed double-deck elevator is delivered: Shanghai World Financial Center. •2011•600-m/min. ultra-high-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. •2016 • Delivery of the ultra-high-speed elevators, with a speed of 1,200 m/min. (20 m/s), to the Guangzhou CTF Finance Centre (530-m tall) in Guangzhou, China. •2017•The tallest building in Singapore, famous as the winner of the World Architecture News Mixed-Use Award: Tanjong Pagar Centre, Singapore.



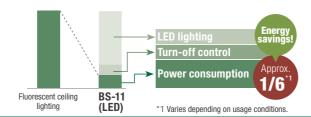
our classifications of value we provide for your building

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



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

Standard

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

Group control systems

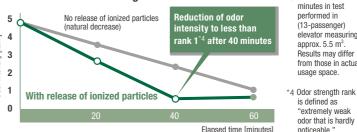
Group control systems provide passengers with appropriate guidance and help reduce the probability of long waits.

Ion generator

Option

Ion generator works to improve air quality.

Elevator interior deodorizing test*



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

Note: 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

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

Hall LCD

Car and hall designs

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





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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. 1/4

that of fluorescent lighting Employs LED lighting with

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

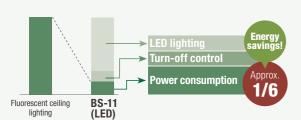
Power	Fluorescent celling lighting		BS-11 (LED)	
consumption	69 W		17 W ^{*3}	
Service life	Approx. 12,000 hours		Approx. 40,000 hours*4	

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.

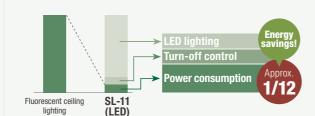
Power	lighting		SL-11 (LED)	
consumption	207 W		33 W ^{*3}	
Service life	Approx. 12,000 hours	•	Approx. 40,000 hours*4	

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

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

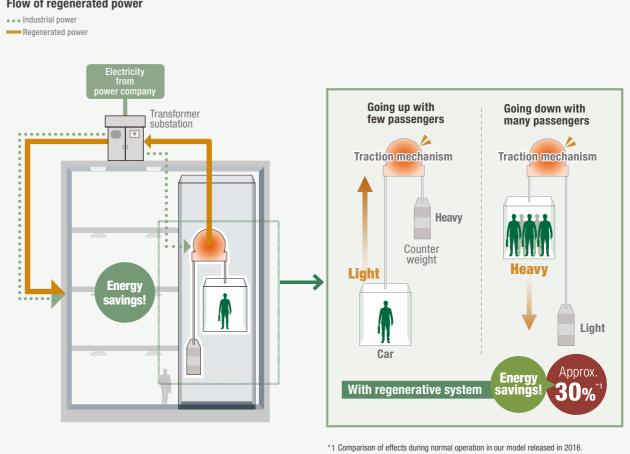


Making use of energy generated by the elevator

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

• • • Industrial power



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Lomfort

FI-600 Group control system

Group control systems help reduce waiting time.

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

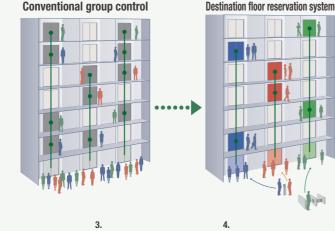
*1 "Long wait" refers to a waiting time of over 60 seconds.

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

FIBEE Destination floor reservation system

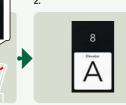
FIBEE leads passengers more reliably to their destination floors.

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





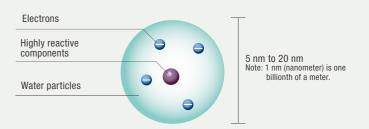
lon generator

Option

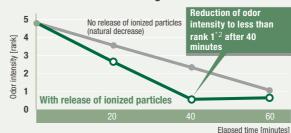


Ion generator improves air quality.

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, a 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.

> Note: The ionized particles suppress viruses, etc., but they are not guaranteed to prevent infection. Note: 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 guiet 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.





Note: Illustration shows simulated view of beams.

Micro-leveling

Standard

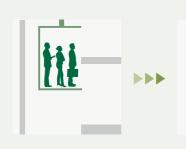
Automatic correction of elevator landing level when there is a level difference between car and floor. This improves safety when getting on and off the elevator.

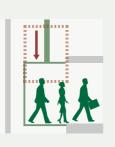
Automatic rescue device for power failure



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

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



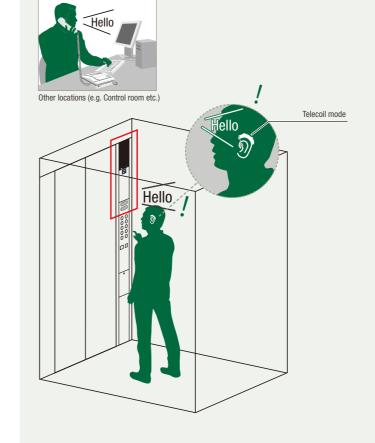


Induction loop for hearing devices

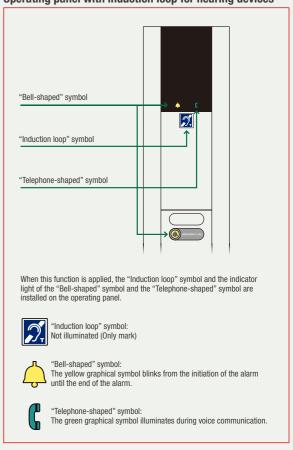


This function allows passengers with impaired hearing to use the elevator with confidence. If it is necessary to use the intercom in the elevator to communicate with people at other locations in an emergency, the passenger can select the "Telecoil mode" on their hearing aid or cochlear implant to have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

Induction loop for hearing devices ~ Other locations



Operating panel with induction loop for hearing devices



Note: Induction loop for hearing devices is used in combination with EN81-20/50. Note: The illustration is an example.

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

Design

Ceiling designs (Silkscreen print)

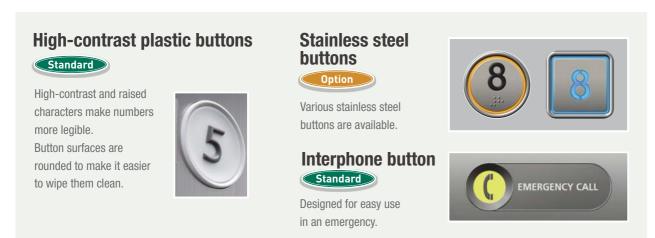


By applying silk screening to the ceilings of SL-11 and DX-101, Hitachi ceiling designs coordinate your elevator with the building decor.



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.

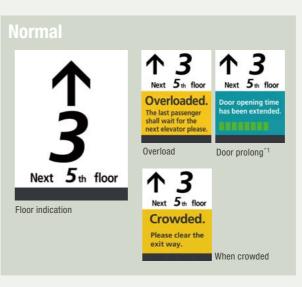
An in-car indicator with an 8.4-inch color LCD is available. The LCD with wide angle improves visibility. It displays indications of the operating status, such as earthquake emergency operation, to the user.







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.





Earthquake*2

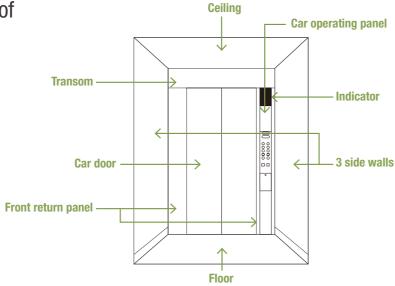
0UG-0N1 11 12 0UG-0N1

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

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)

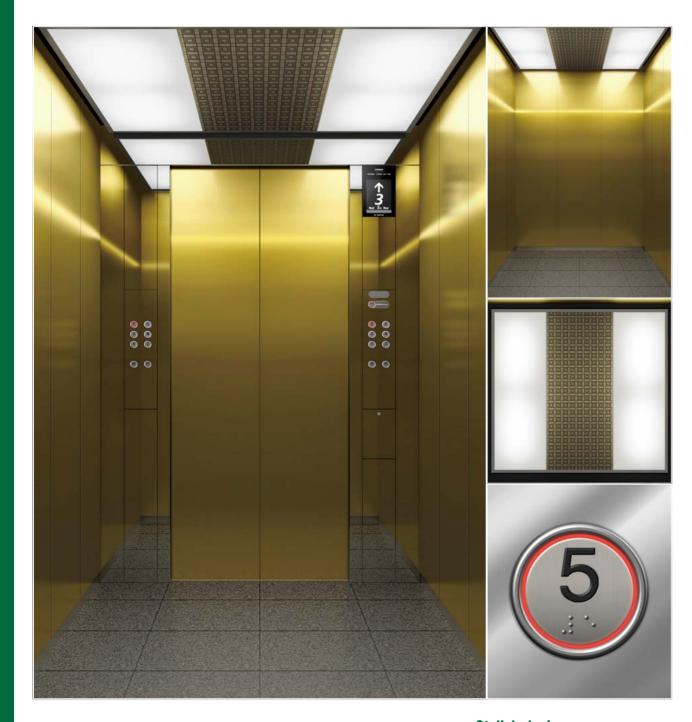
3 ()
SL-series (SL-11-Kaleidoscope)*1
Decorated steel (Minamo white)
Decorated steel (Minamo white)
Stainless steel hairline
Vinyl tile (S 442M)*2
LCD (8.4-inches)
Stainless steel hairline

^{*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. Note: Illustrations show simulated views of elevator interiors.

*1 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.

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Actual illumination brightness and colors may differ.



Stylish design (for commercial building)

Specifications	
Ceiling	DX-series (DX-101-Lattice)*1
3 side walls	Colored stainless steel hairline
Car door	Colored stainless steel hairline
Front return panel/Transom	Stainless steel mirror
Floor	Vinyl tile (S 660M)*2
Indicator	LCD (8.4-inches)
Car operating panel	Stainless steel mirror

^{*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.

Note: Illustrations show simulated views of elevator interiors.
Actual illumination brightness and colors may differ.





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 657M)*1
Indicator	LCD (8.4-inches)
Car operating panel	Colored stainless steel hairline

*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.

Note: Illustrations show simulated views of elevator interiors.

Actual illumination brightness and colors may differ.

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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

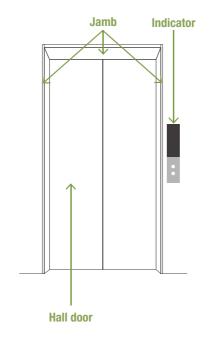


Luxurious design (for hotel)

	0.001911 (101 11010)
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

^{*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. Note: Illustrations show simulated views of elevator interiors. Actual illumination brightness and colors may differ.

Hall designs







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



Standard









etching (SD-1038) Indicator: LCD



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



TL-2X (2PC0)

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



Note: Illustrations show simulated views of elevator interiors. Actual illumination brightness and colors may differ.

OUG-ON1 17

000

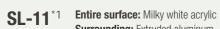
Ceilings and **H**andrails

Ceilings





Select Option



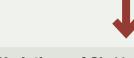
Surrounding: Extruded aluminum



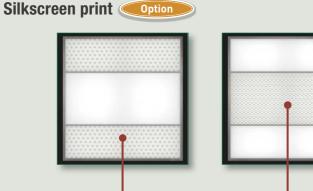


SL-11-Oriental mosaic*1



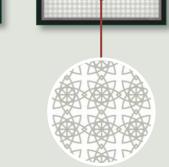














^{*1} The ceiling is not compliant with EN81-20/50 and SS550. In case of EN81-20/50, it can be used if the customer agrees.

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

Deluxe Option

DX-101*1

Center: Painted steel (White) Both sides: Milky white acrylic

Surrounding: Extruded aluminum

DX-11

Center: Painted steel (White) Indirect lighting

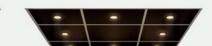
Both sides: Painted steel (White) Down light



DX-104

Entire surface: Painted steel (Black) Down light

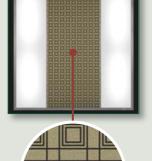
Trim: Stainless steel

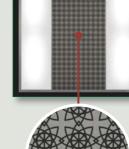


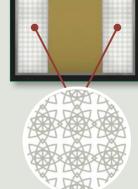


Variations of DX-101

Silkscreen print Option







DX-101-Lattice*1

DX-101-Geometric star*1

DX-101-Arabesque*

Premium Option



EX-11*1 Entire surface: Glass fiber cloth

*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. Note: It is also possible to use ceiling materials supplied and installed by the customer. Note: Depending on applicable regulations, car top emergency trap door may be required.





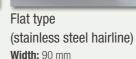


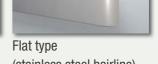
(stainless steel hairline) Diameter: 32 mm



(aluminum)

Width: 90 mm





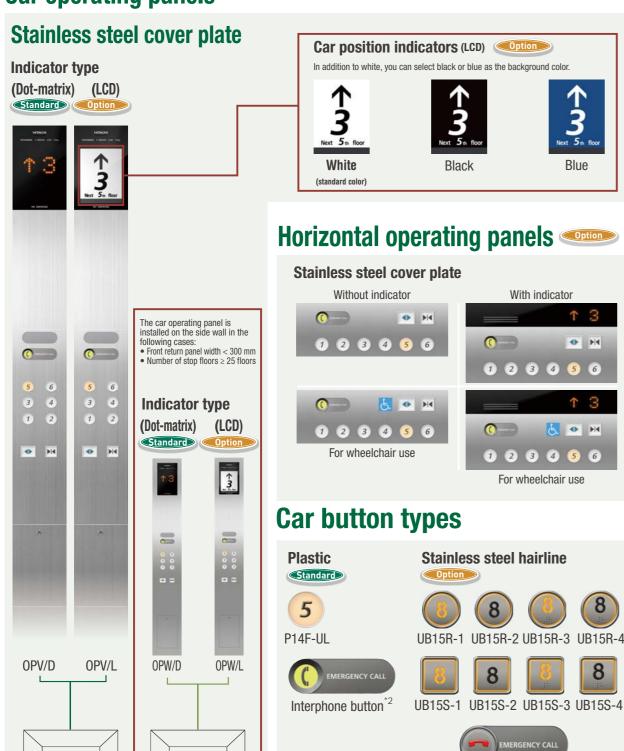


(stainless steel hairline) Width: 50 mm

^{*2} For some car sizes there are two milky white acrylic options.

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

Car operating panels



1 Illumination colors are only applicable for stainless steel hairline buttons.

Red

*2 Only circular interphone buttons are available. Other specifications (illumination color, Braille, etc.) of the specifications are required

White

Illumination colors^{*}

Interphone button*2

Yellow

3

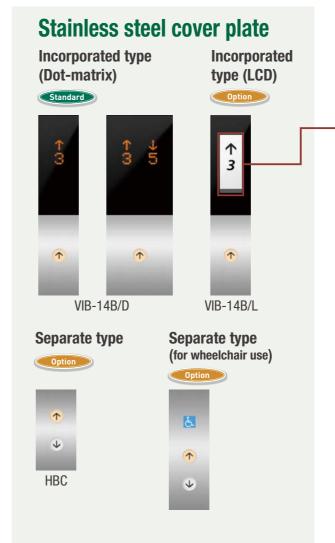
13

+

8

8

Hall operating panels

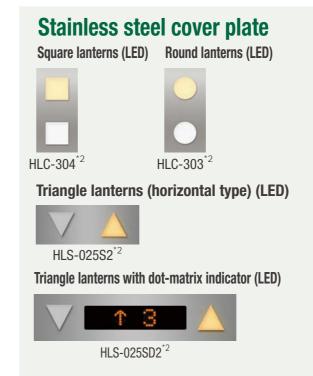




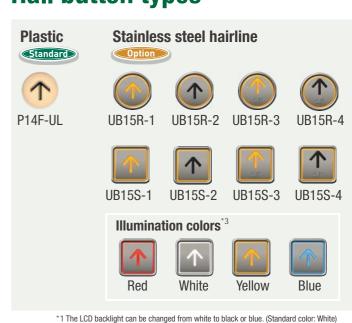
Horizontal indicators



Hall lanterns Option



Hall button types



- *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.

5474UN

Silverbrush

Wood-Cross

7157UN

Cosmic Dawn

5261NT

Sandy

7158UN

Cosmic Dusk

6006UN

[Car] Front wall / Stainless steel hairline etching and mirror etching **Transom** Stainless steel Standard Option SD-1006 SD-1010 SD-1026 SD-1031 SD-1036 Car Hairline Non-directional SD-1038 SD-1046 SD-1056 Mirror SD-1051 SD-1059 : Etched area : Non-etched area Colored stainless steel Option Decorated steel Option Minamo white Craft wood Mocha wood * Colored stainless steel is available for hairline and mirror options [Car] Door / 3 side walls Stainless steel hairline etching and mirror etching Laminated plastic sheet (LPS)*2 Option [Hall] Door Hall Stainless steel **Standard** SD-1036 SD-1006 SD-1026 SD-1031 7170UN Metal Pearl Rosewood SD-1056 Non-directional SD-1038 SD-1046 SD-1051 Hairline*1 🗌 : Etched area 📗 : Non-etched area 5475SP Decorated steel Option Colored stainless steel Option Blondbrush Wood-Cross Bronze Minamo white Craft wood 0869NT * Colored stainless steel is available for hairline and mirror options. * Decorated steel cannot be used for the hall door. Powdered Oak Smoke Strand Canadian Pine (Straight) [Hall] Jamb / Transom Stainless steel hairline etching and mirror etching 6 **Stainless steel** D [Car] Floor Vinyl tile*3 Standard SD-1006 SD-1010 SD-1026 Non-directional

Colored stainless steel Option

S 657M

P 0807*

S 673M*

P 0803*

Bronze Black * Colored stainless steel is available for hairline and mirror options.

SD-1051 : Etched area : Non-etched area * Stainless steel hairline etching and mirror etching cannot be used for the hall jamb.

SD-1056

2726NT

Natural

7171UN

Metal Pearl

8834NT

- $^{\rm *1}$ SUS430 (Standard), SUS304 (Option) $^{\rm *2}$ 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

Note: 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.

OUG-ON1 23 24 OUG-0N1

SD-1038

SD-1046

Design variations

Car design variations

●: Standard / ◎: 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	0
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) Stainless steel mirror	0
10				Colored stainless steel mirror (Gold, Bronze, Black)	
11	Car door / 3 sid	lo walle		Stainless steel mirror etching	
12	Gai uooi / 3 sic	ic walls		Colored stainless steel mirror etching (Gold, Bronze, Black)	
13	-			Stainless steel non-directional hairline	
14	-			Decorated steel*3	
14					
15				Laminated plastic sheet 4.5 (7170UN) (2726NT) (5261NT) (5474UN) (5475SP) (7171UN) (7158UN) (7157UN) (0869NT) (8834NT) (6006UN)	0
16				Rust proof painted 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 painted steel	0
28	Kick plate			Stainless steel hairline	
29				Stainless steel non-directional hairline	0
30	Sill			Extruded hard aluminum	0
31				Stainless steel	
32	Floor*1*6			Vinyl tile (S 442M) ^{*7} (S 444M) ^{*7} (S 629M) ^{*7} (S 657M) ^{*7} (S 659M) ^{*7} (S 660M) ^{*7} (S 673M) ^{*7} (P 0803) ^{*8} (P 0807) ^{*8}	•
33		Round type	stainless steel hairline	Diameter: 32 mm (one row)	0
34			stainless steel	Width: 50 mm (one row)	0
35	Handrail	Flat	hairline	Width: 90 mm (one row)	0
36		type		Width: 90 mm (two rows)	0
37		typo	aluminum	Width: 90 mm (one row)	0
38			aiaiiiiiaiii	Width: 90 mm (two rows)	0
39		Vertical*	9	Dot-matrix indicator (OPV/D)	•
40				LCD indicator (OPV/L) (White, Black, Blue)	0
41	Car operating	Horizont	al	Without indicator	0
42	panel			Dot-matrix indicator	0
43		Horizont		Without indicator	0
44		wheelch	air	Dot-matrix indicator	0
45				Stainless steel hairline	•
46	Car operating p	oanel cove	er plate	Stainless steel mirror	0
47				Stainless steel non-directional hairline	0
48	Button type			Plastic (P14F-UL)	0
49	3,7-			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.

 *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 coromiliant 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

lo. Item		Finishes/Types	Passenge Service
1		AS-1X	
2		SS-1X	0
3 Jamb type		TS-1X	0
4		SL-2X	0
5		TL-2X	0
6		Stainless steel hairline	
7		Colored stainless steel hairline	0
8		Stainless steel mirror	0
Jamb finish		Colored stainless steel mirror	0
0		Stainless steel non-directional hairline	0
1		Rust proof painted steel	0
2		Stainless steel hairline	
3		Colored stainless steel hairline (Gold, Bronze, Black)	0
4			-
		Stainless steel hairline etching	0
5		Colored stainless steel hairline etching (Gold, Bronze, Black)	0
Transom finish		Stainless steel mirror	0
7		Colored stainless steel mirror (Gold, Bronze, Black)	0
8		Stainless steel mirror etching	0
9		Colored stainless steel mirror etching (Gold, Bronze, Black)	0
0		Stainless steel non-directional hairline	0
1		Rust proof painted steel	0
2		Stainless steel hairline	
3		Colored stainless steel hairline (Gold, Bronze, Black)	0
4		Stainless steel hairline etching	0
5		Colored stainless steel hairline etching (Gold, Bronze, Black)	0
6		Stainless steel mirror	
7 Hall door		Colored stainless steel mirror (Gold, Bronze, Black)	
8		Stainless steel mirror etching	
9		Colored stainless steel mirror etching (Gold, Bronze, Black)	0
0		Stainless steel non-directional hairline	0
		Laminated plastic sheet*1 (7170UN) (2726NT) (5261NT) (5474UN) (5475SP) (7171UN) (7158UN) (7157UN) (0869NT)	
1		(8834NT) (6006UN)	
2		Rust proof painted steel	0
Sill		Extruded hard aluminum	•
4 3111		Stainless steel	0
5		Stainless steel hairline	•
6	Incorporated Stainless steel mirro	Stainless steel mirror	0
7	indicator	Stainless steel non-directional hairline	0
Hall button cover plate		Stainless steel hairline	0
9	Separate Stainless steel mirror	Stainless steel mirror	0
0	indicator	Stainless steel non-directional hairline	0
1		Stainless steel hairline	0
2	Incorporated	Stainless steel mirror	0
3 Hall button cover plate	indicator	Stainless steel non-directional hairline	0
4 for wheelchair use		Stainless steel hairline	0
5	Separate Stainless steel mirror		0
6	indicator	Stainless steel non-directional hairline	0
7		Dot-matrix	•
8	Vertical	LCD (White, Black, Blue)	0
ndicator			0
0	Horizontal	Dot-matrix (HF-119) LCD (HF-CL11) (White, Black, Blue)	0
		Stainless steel hairline	0
1	war plata		
2 Horizontal indicator co	iver plate	Stainless steel mirror Chainless steel and disastional haiding	0
3		Stainless steel non-directional hairline	0
Button type		Plastic (P14F-UL)	•
5 544011 1990		Stainless steel hairline*2 (UB15R-1) (UB15R-2) (UB15R-3) (UB15R-4) (UB15S-1) (UB15S-2) (UB15S-3) (UB15S-4)	0
6	Vertical	Square lanterns (HLC-304) (Orange, White)	0
7 Lantern	Volution	Round lanterns (HLC-303) (Orange, White)	0
8 Laintern	I Triangle lanterns (HLS-025S2)	Triangle lanterns (HLS-025S2)	0
9	Horizontal	Triangle lanterns with dot-matrix indicator (HLS-025SD2)	0
0		Stainless steel hairline	0
1 Lantern cover plate		Stainless steel mirror	0
		Stainless steel non-directional hairline	0

^{*1} The LPS comes with a stainless steel hairline trim edge and cannot be used for the hall door when fire rated doors are required.

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^{*2} The available button illumination colors are yellow, red, white, and blue.

Functions

lacktriangle: Standard / lacktriangle: Option

No.	Name		Description	Passenger Service
Oper	ating 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 con	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", "learning system" and "intelligent system".	0
7	Down collective cont	rol	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
	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 or	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 operat	tion	Specific service floors can be locked-out by activating a switch.	0
9	Temporary call regist certain restricted floo		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 operati	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 dunley collective control or group control	

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

		• : Standard /	
lo.	Name	Description	Passenge Service
afe	ty functions		
1	Abnormal speed protection function	In the event that the elevator is moving downwards at an abnormally high speed, the brakes will be automatically engaged and the elevator will cease operation.	•
2	Out of door-open zone alarm	In the event that the elevator stops out of the door-open zone of a selected floor, doors will not open, and an alarm will sound in the elevator.	•
3	Rescue operation	When the elevator stops out of the door-open zone, it will move to the nearest floor at slow speed to release passengers.	•
4	Door safety return system	In the event of door overload, such as when passengers get their fingers, hands or personal belongings caught in the door, this system automatically senses this and either re-closes or re-opens the doors to prevent injury.	•
5	Micro-leveling	Automatic correction of elevator landing level when there is a level difference between car and floor.	
6	Car emergency lighting	In the event of a power failure, an emergency light inside the elevator will be automatically activated.	•
7	Emergency Battery Operated Power Supply (EBOPS/UPS)*1	In the event of a power failure, this emergency supply allows the operation of a light and alarm bell, etc.	0
8	Multi-beam door sensor	In the event that the beam paths are obstructed, this sensor, installed at the edge of the doors, will keep the doors open.	•
9	Door signal with multi-beam door sensor	In addition to the multi-beam door sensor, the safety shoe is equipped with a signal that indicates when the doors are starting to close. (2PCO: Both sides, 2S2P: One side)	0
10	Door safety edge	Mechanical safety units are installed on both sides (2PCO) or one side (2S2P) of the elevator doors. In the event of passengers coming into contact with the safety edges of closing doors, the doors will immediately reopen.	0
CCE	essibility		
1	Car floor button flashing	The registered car destination floor button flashes when the car approaches the floor.	
2	Braille plate	Braille plates are fixed next to the operation buttons in the car and hall.	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	ırity 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
ifoi	mation functions		
1	IC auto announcement (English / Thai / Malay / Mandarin / Cantonese / Portuguese)	Preset standard messages are announced to the passengers.	0
2	Public address speaker	A speaker for background music and public announcements for the building can be installed in the elevator. (Music and announcement systems, including wiring, are to be provided by others.)	0
3	Arrival audio signal	An electrical chime (located at the top and bottom of the elevator) will sound just before the arrival of the elevator.	0
ner	gy-saving functions		
1	Regenerative system	When traveling downwards with a heavy car load or upwards with a light car load, the traction machine acts as a power generator to transmit power back to the electrical network in the building.	0
2	Automatic turn-off of elevator light and fan	In the event that the elevator is not in use, the light and ventilation fan in the elevator are automatically turned off to conserve energy.	•
_	and fan	automatically turned off to conserve energy. *1 EBOPS (UPS) is provided as a standard specification when it is required by	r

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

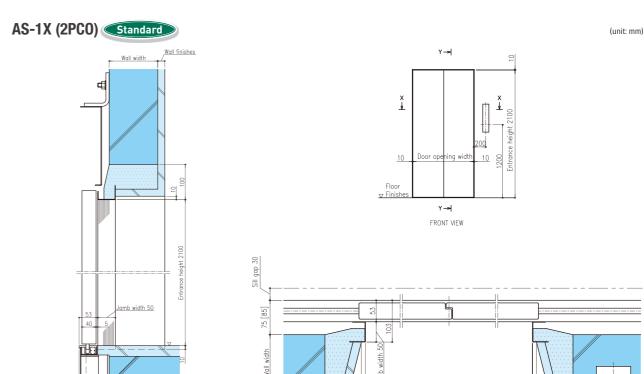
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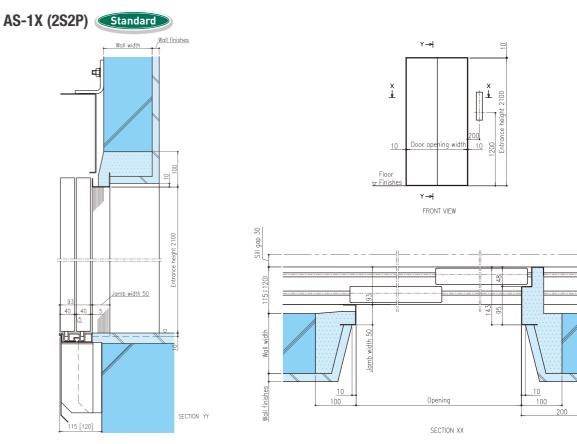
19 | Electromagnetic compatibility (EMC) | Electromagnetic compatibility function in response to EN81-20/50 regulation, etc.

system for their monitoring.

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

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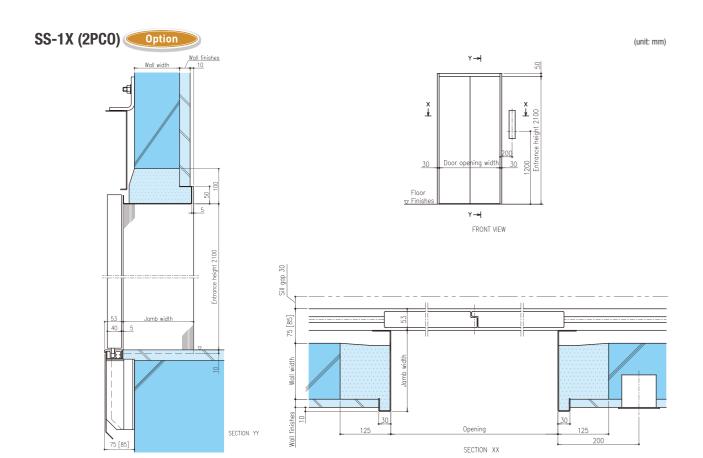


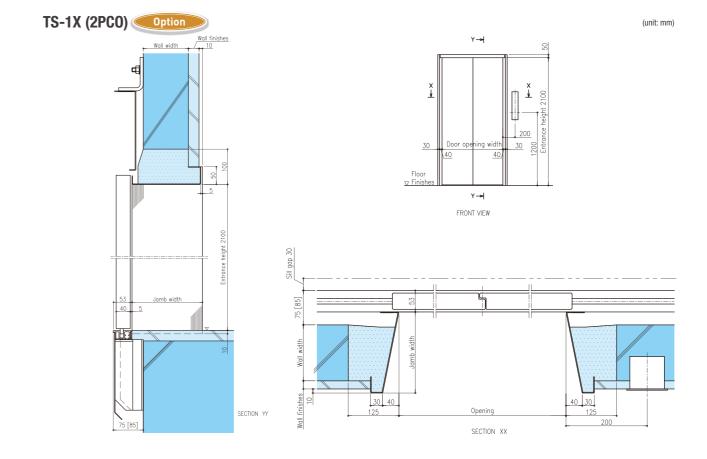
SECTION XX

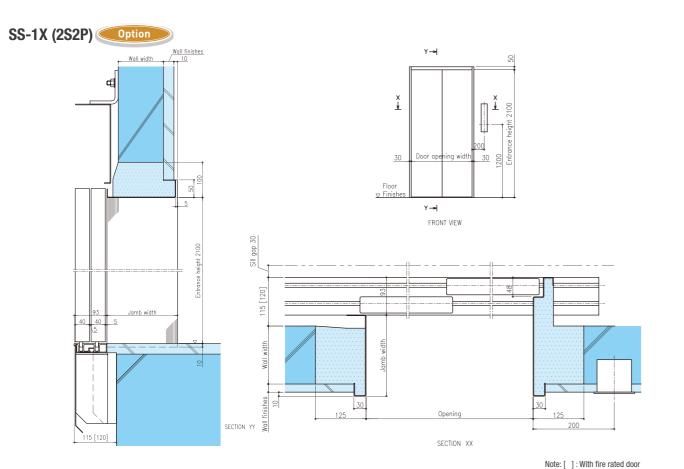
Note: []: With fire rated door

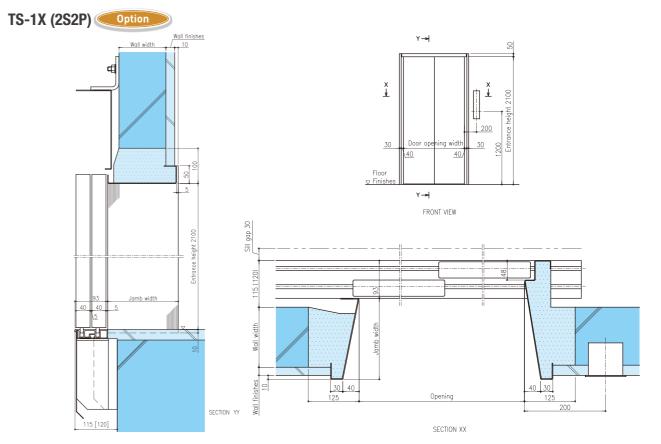
system

^{*1} 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.



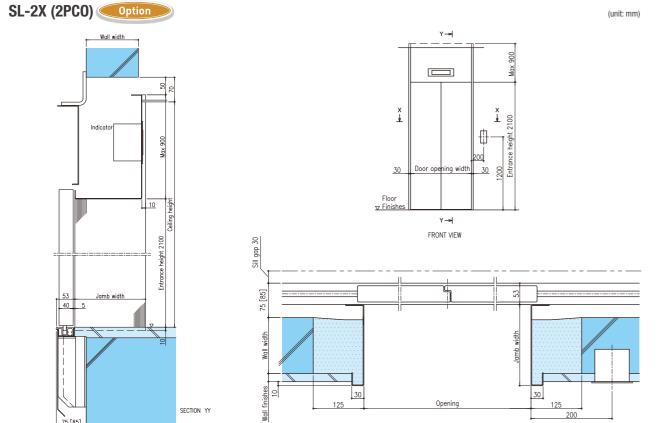


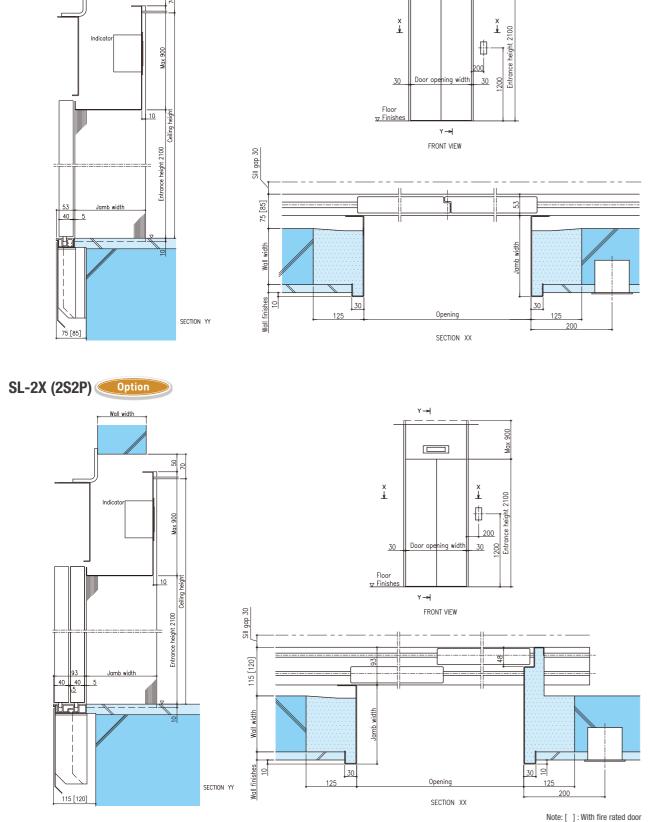


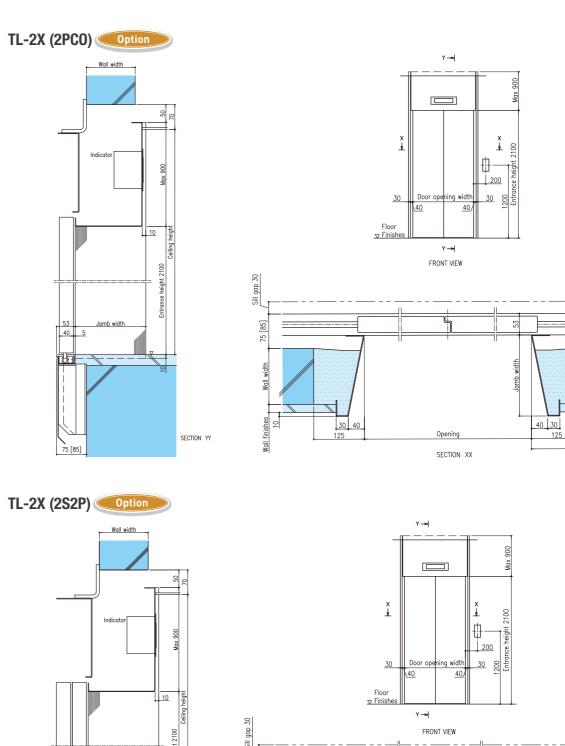


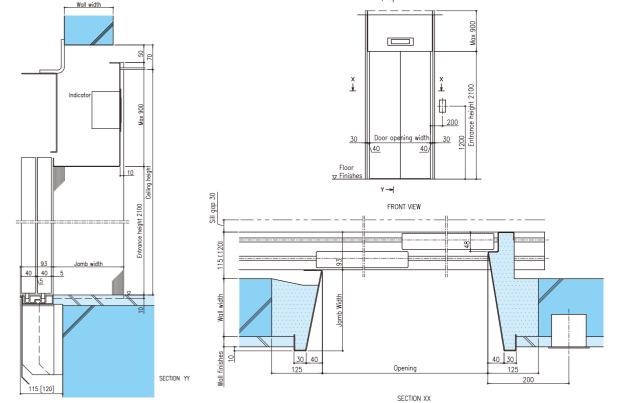
Note: []: With fire rated door

(unit: mm)









Note: []: With fire rated door

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).

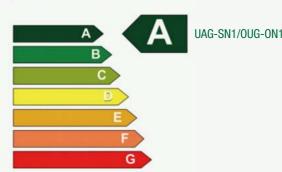
Hitachi Eco-Achievement

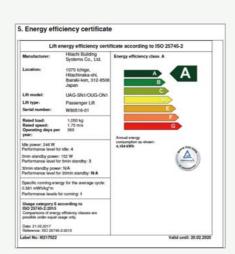
Hitachi's elevators achieved the highest energy efficiency class rating.

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	1.75 m/s
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

Note: The measured class differs depending on the usage conditions.

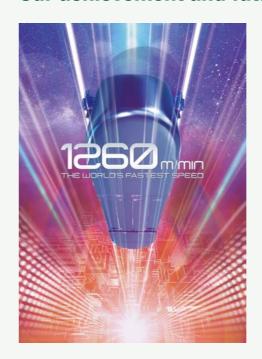
Environmental activities

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 ultra-high-speed elevators

Hitachi's ultra-high-speed elevator reached a speed of 1,260 m/min. (21 m/sec.), which was recorded during a test of the elevator under installation in Guangzhou CTF Finance Centre, a skyscraper complex building in China. The speed of 1,260 m/min is 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 ultra-high-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. * By Hitachi research as of June, 2017

Drive and control technologies to attain ultra-high-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 ultra-high-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 ultra-high-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

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 36



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.



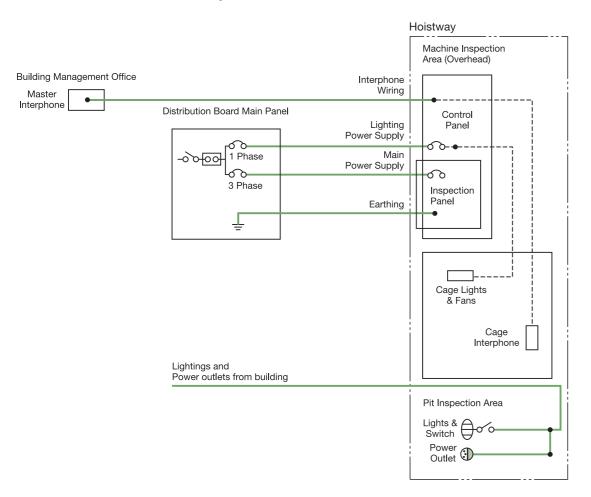
Hitachi provides a wide array of products and services - from home appliances to societal infrastructure. We integrate the capabilities of our entire group at a high level, taking on the challenge of innovation to build a better future without losing sight of the perspective of our customers. Our development of superior, innovative technology and products support a safe, secure, comfortable lifestyle and a fair society for all. This is the conviction that infuses Hitachi's craftsmanship.

- Information and telecommunication systems
- Power systems
- · Social infrastructure and industrial systems
- . Electronic systems and equipment
- Construction machinery
- . Highly functional materials and components
- Automotive systems
- . Smart life and eco-friendly systems

Electrical information

Wiring Diagram

shows the works to be done by others.



■Work to be provided by other contractors

Item	Works to be provided by others
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.

^{*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-E223-5 0218



Memo		

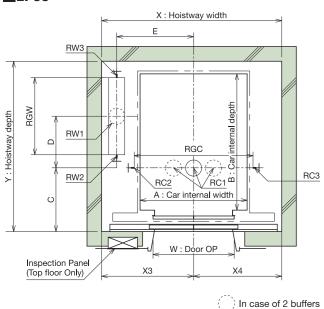
MACHINE ROOM-LESS ELEVATOR

Model OUG Series ON1
PLANNING INFORMATION

Note: 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"

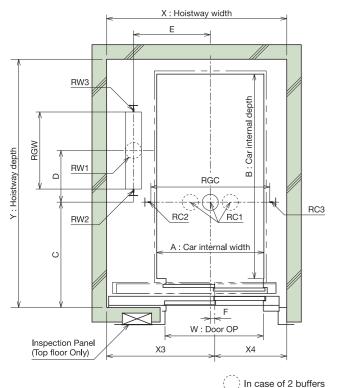
Hoistway dimension

2PC0



Hoistway dimension and Pit reaction loading

2S2P



Hoistway dimension and Pit reaction loading

Dimension and reaction loading of hoistway

■Based on Hitachi standard and EN81-20/50 regulations

			Rated	_	Door OP	Car internal	*1 Hoistway			L	no etio	n Imi	m1				Pit	reaction loa	nding *3*4*5	[kN]	
No.	Load [kg]	Persons	speed [m/s]	Door type	width W	size A × B	X×Y			L	Jealio	n [mi					Car side		Cou	nterweight	side
	[9]		(m/min)	Jr.	[mm]	[mm]	[mm]	Х3	X4 *1	C *2	D	E	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
1			1.0(60)							680							34.0(220.5)	27.5(214.0)		15.5(198.5)	25.0(211.5)
2			1.5(90)			1100×1400	1900×1800	1000	900	[690]		845		1330		71.0	37.5(279.5)	30.5(273.0)	59.0	18.5(256.5)	28.0(270.0)
3	600	8	1.75(105)										-		-		040(000.5)	07.5 (04.4.0)		45 5 (400 5)	05.0(044.5)
5			1.0(60)			1400×1100	2050×1700	1105	945	635	530	950		1540	800	70.5	34.0(220.5)	27.5(214.0)	58.5	15.5(198.5)	25.0(211.5)
6			1.75(105)			1400×1100	(2100×1700)	1103	(995)	[645]	330	330		1340	000	70.5	37.0(279.5)	30.5 (273.0)	30.3	18.5 (256.5)	27.5(270.0)
7			1.0(60)												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			64.0		
9	750	10	1.75(105)		800	1350×1400				[090]				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)				2230/2000	1200	1013	[715]	040	1000			300	37.5			01.0		
12			1.0(60)														41.0(230.5)	33.0(222.5)		17.0(201.5)	29.0(218.0)
13			1.5(90)	2PC0			1900×2400	1010	890	980	530	845	-		800	91.0	44.5(289.5)	36.5 (281.5)	73.0	20.0 (259.5)	32.0(277.0)
14			1.75(105) 2.0(120)			1100×2000				[990]			-	1330							
16			2.5(150)				2050×2400	1130	920		640	905			900	111.0	69.0 (693.5)	58.0 (682.5)	92.5	36.0 (651.0)	55.0 (679.5)
17			1.0(60)										-				41.0(230.5)	33.0(222.5)		17.0(201.5)	29.0(218.0)
18			1.5(90)				2200×1850	1175	1025		530	1000			800	91.0			73.0		
19	900	12	1.75(105)			1500×1450				705 [715]				1640			44.5 (289.5)	36.5(281.5)		20.0(259.5)	32.0(277.0)
20			2.0(120)				2350×2000	1205	1065	-	640	1060			900	109.0	69.0(693.5)	50 0(602 5)	90.5	26.0/651.0\	54.5(679.0)
21			2.5(150)				2330^2000	1200	1003		040	1000			300	109.0			90.5		
22			1.0(60)				2350×1750		1035	655							41.5(228.0)	33.5(220.0)		17.0(198.5)	29.0(215.5)
23			1.5(90)				(2400×1750)	1315	(1085)		530	1105			800	92.0	45.0(287.0)	36.5 (278.5)	74.0	19.5(256.5)	32.0(274.0)
24			1.75(105) 2.0(120)			1600×1350								1740							
26			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)
27			1.0(60)														42.0(231.5)	34.0(223.0)		17.5(201.5)	29.0(218.5)
28			1.5(90)				1900×2450	1110	790		530	845			800	94.0	45 5 (000 5)	07.0(000.0)	74.5	00.0(050.5)	00.0(077.0)
29	975		1.75(105)	2S2P		1100×2000				1057 [1062]			95				45.5(290.5)	37.0(282.0)		20.0 (259.5)	32.0(277.0)
30			2.0(120)				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)
31			2.5(150)											1330							
32			1.0(60)				2000×2500	1005	005		530	845			800	96.5	43.0(229.5)	34.5(221.0)	77.0	17.5(198.5)	29.5(216.0)
34			1.5(90) 1.75(105)		900	1100×2100	2000^2500	1005	990	1030	550	043			000	97.5	46.5 (289.0)	38.0 (280.5)	78.0	20.0 (256.5)	33.0 (275.0)
35			2.0(120)		000	110012100				[1040]											
36		40	2.5(150)				2150×2500	1130	1020		640	905			900	115.0	70.0 (695.0)	59.0 (683.5)	94.5	36.5 (651.0)	55.5 (680.0)
37		13	1.0(60)							200							42.5(232.0)	34.5 (223.5)		17.5(201.5)	29.5(219.0)
38			1.5(90)				2300×1800	1225	1075	[690]	530	1050			800	96.0	46.0(291.0)	37.5(282.5)	76.0	20.0(259.5)	32.5(277.5)
39	1000		1.75(105)	2PC0		1600×1400							-					,			
40			2.0(120)				2450×2000	1335	1115	705 [715]	640	1110			900	115.0	70.0 (695.0)	59.0 (683.5)	94.5	36.5 (651.0)	55.5 (680.0)
41			2.5(150) 1.0(60)							[710]			-	1740			43 0 (232 0)	34.5(224.0)		17 5 (201 5)	29.5(219.0)
43			1.5(90)				2300×1900	1225	1075		530	1050			800	96.5			76.5		
44			1.75(105)			1600×1500				730 [740]							46.5(291.5)	38.0 (283.0)		20.0 (259.5)	32.5(277.5)
45			2.0(120)				2450×2000	1225	1115	-	640	1110			900	1150	70.0(695.0)	E0.0(602.E)	94.5	26 E (6E1 0)	55.5 (680.0)
46			2.5(150)				2430^2000	1333	11115		040	1110			900	115.0	70.0(695.0)	39.0 (003.3)	94.5	30.3(031.0)	55.5(660.0)
47			1.0(60)														44.0(233.0)	35.5(224.5)	-	17.5(201.5)	30.5(219.5)
48			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)
49			1.75(105)			1000×2400				[1262]			-	1230							
50			2.0(120) 2.5(150)				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)
52	1050	14	1.0(60)	2S2P									45			96.5	43.0(229.5)	34.5(221.0)	77.0	17.5(198.5)	29.5(216.0)
53			1.5(90)				1900×2550 (1950×2550)	1115	785		530	845			800						
54			1.75(105)		1000	1100×2100	(1900^2000)		(000)	1107 [1112]	L			1330		97.5	46.5(289.0)	38.0(280.5)	78.0	20.0(256.5)	33.0(275.0)
55			2.0(120)				2000×2550	1155	845		640	905			900	117.0	70.5(695.5)	59.5 (684.0)	95.5	36.5(651.0)	56.0 (680.5)
56			2.5(150)																		

OUG-ON1 1

Note: Above tables shows the dimensions on the following conditions

■Based on Hitachi standard and EN81-20/50 regulations

Mathematical Content		Lord		Rated	Dor	Door OP	Car internal	Hoistway *1			14	catio	յր [բ	nl				Pit	reaction loa	ding *3*4*5	[kN]	
Note	No.		Persons					X×Y				Juanu	,,, [,,,,	'''				Car side		Cou	nterweight	side
Marcha M		. 02		(m/min)	<i>,</i> ,	[mm]	[mm]	lmmi	Х3	X4 *1	C *2	D	E	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
1	57			1.0(60)														57.0(389.0)	46.0(377.5)		24.5(347.0)	40.5(372.5)
1	58			1.5(90)				2400×2100	1295	1105	020						122.5	62 5 (491 5)	50.5 (480.0)	98.0	28 5 (448 0)	45 0 (474 5)
1	59			1.75(105)			1600×1700						1110		1740			02.0 (401.0)	00.0 (400.0)		20.0 (440.0)	40.0 (47 4.0)
1	60			2.0(120)				2450×2100	1330	1120							128.5	75.0(699.5)	62 5 (687 0)	104.0	37.5(650.5)	58.5(683.0)
1	61			2.5(150)		1000			1000								12010	7 0.0 (000.07	0210 (00710)	10110		
Mathematical Content of the conten	-																117.5	55.5 (387.0)	44.5(376.0)	94.5	24.0(347.0)	39.5(371.5)
Mathematical Content	-							2600×2000	1390	1210							121.5	61.5(491.0)	50.0(479.5)	98.5	28.5(448.0)	44.5(474.0)
	-	1200			2PC0		1800×1500						1210	_	1940							
1-	-							2650×2000	1435	1215							126.5	74.0(698.0)	62.0(686.0)	102.5	37.5 (650.5)	58.0(682.5)
1.50 1.50	-		16													-					()	
1	-									4005	680						100 5	57.0(389.0)	46.0(377.5)		24.5 (347.0)	40.5(372.5)
Part	-						000001400	2800×1950	1495	1305	[690]		1010		04.40		122.5	62.5(491.5)	50.5 (480.0)	98.0	28.5 (448.0)	45.0(474.5)
	-						2000×1400						1310		2140							
1.06 1.06	-							2850×2000	1535	1315							128.5	75.0(699.5)	62.5(687.0)	104.0	37.5 (650.5)	58.5 (683.0)
1.5 1.5	_					1100										1		59.0(390.5)	46.5(379.0)		24 5 (246 5)	41.0(372.5)
1.75 1.75	-							2100×2750	1210	ลดก							124.5	30.0 (303.3)	40.5(070.0)	99.0	24.5 (040.5)	41.0(072.0)
76 20120 2	-	1250			2S2P		1200×2300	210072700	1210				955	45	1430		124.0	63.0(492.5)	51.0(480.5)	00.0	28.5 (448.0)	45.5(474.5)
	-	1200			LOLI		120012000				[1212]		000	10	100							
77 78 78 78 78 78 78 78	-							2150×2750	1235	915							130.5	75.5(700.0)	63.0(687.5)	105.0	37.5 (650.5)	58.5 (683.5)
	_															1		59.5(391.5)	48.0(379.5)		25.0(346.5)	42.0(374.0)
	$\overline{}$							2250×2700	1170	1080							65.25x2sets			103.5		
1	-						1300×2300						1005		1530		130.5	65.0(494.0)	52.5(482.0)		29.0(447.5)	46.5(475.5)
18	80			2.0(120)							[1140]											
1.0 1.0	81			2.5(150)				2350×2700	1230	1120							140.5	78.5(703.0)	65.0(690.0)	113.0	38.5 (650.5)	60.5(685.0)
1.5 1.5	82			1.0(60)		1000											05.05.0	59.5(391.5)	48.0(379.5)		25.0(346.5)	42.0(374.0)
1.5 1.5	83			1.5(90)				2600×2100	1395	1205							65.25x2sets	05.0(40.4.0)	E0 E (400.0)	103.5	00.0/447.5)	40 5 (475 5)
140 150 160	84			1.75(105)			1800×1700					640	1210		1940	900	130.5	65.0(494.0)	52.5 (482.0)		29.0(447.5)	46.5(475.5)
18	85			2.0(120)				2650×2100	1.425	1015							140.5	70 5 (702 0)	65 0(600 0)	1120	20 E (6E0 E)	60 E (60E 0)
1.060 1.075 1.075 1.07	86	1250	10	2.5(150)	2000			2000/2100	1433	1215				_			140.5	76.5(703.0)	05.0 (090.0)	113.0	36.3 (630.3)	00.5(005.0)
1.5 1.5	37	1330	10	1.0(60)	2500												65.25v2cate	59.5 (391.5)	48.0(379.5)		25.0(346.5)	42.0(374.0)
1.75(105) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 1.0(60) 1.75(105) 2.0(120) 2.5(150) 1.0(120)	88			1.5(90)				2800×2000	1495	1305	720						00.20x230t3	65 0 (494 0)	52 5 (482 0)	103.5	29 0 (447 5)	46 5 (475 5)
2.5(150) 3.0 (60.5)	89			1.75(105)			2000×1500										130.5	00.0 (10 1.0)	02.0 (102.0)		2010 (11710)	1010 (17 010)
1	90							2850×2000	1535	1315							140.5	78.5(703.0)	65.0(690.0)	113.0	38.5 (650.5)	60.5(685.0)
1.0(60) 1.5(90) 1.0(10) 1.0(-												1310		2140							
1.75(105) 1100 2000×1550 2850×2050 1535 1315 132.5 132.5 (489.5) 53.5(477.0) 28.5(443.0) 46.0(470.5) 47.0(470.5)	$\overline{}$																66.25x2sets	60.0(386.5)	48.0(375.0)		24.5 (341.5)	42.0(369.0)
1.5(105) 2.0(120) 2.5(150)	-							2800×2050	1495	1305	755							64.5(489.5)	53.5(477.0)	105.0	28.5 (443.0)	46.0(470.5)
100 1425 19 100 1425 10 100 150	-					1100	2000×1550										132.5					
100 1425 19 100 1425 100 15 100 15 100 15 100 100 15 100 100 100 15 100 100 100 15 100 100 100 100 15 100 100 100 100 15 100	_							2850×2050	1535	1315							140.5	78.5(703.0)	65.0(690.0)	113.0	38.5 (650.5)	60.5(685.0)
98 1.5 90 1.75 100 1.75 105 2.0 120 1300 × 2300 2200 × 2750 1200 1207 1212 1305 895 1425	_															-		E0 E (201 E)	40 E (200 O)		26.0(247.0)	4E 0/276 E)
1.75(105) 2.0(120) 1.425 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.5(9	-								1200	010							66.75x2sets	39.3(391.3)	46.5(360.0)	105.0	20.0 (347.0)	45.0(576.5)
100 1425 142	-				292P		1300×2300	2200×2750	1230	310			1005	95	1530		133.5	65.0(494.0)	53.0(482.5)	105.0	29.5 (448.0)	49.0(478.5)
1425 19	-				2021		1000/2000	ZZOONZTOO			[1212]		1005	55	1500		100.0					
102	=								1305	895							143.0	78.5(703.5)	65.5(690.0)	114.5	38.5 (650.5)	61.0(685.5)
1.5(90) 1.75(105) 2.0(120) 2.5(150) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.0(60) 1.5(90) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105)	-	1425	19									-				1		61.0(393.0)	49.0(381.0)		25.0(346.5)	42.5(374.5)
1.75(105) 2.0(120) 2.5(150) 2.5(150) 2.0(120) 2.5(150) 1.0(60) 1.5(90) 1.00 1.00(100) 1.	-							2600×2150	1395	1205							67.75x2sets			106.5		
105 2.0(120) 2.5(150) 2.5(150) 2.5(150) 1.0(60) 1.5(90) 1.00	104			1.75(105)		1000	1800×1750						1210		1940		135.5	66.5 (495.5)	54.0(483.0)		29.0(447.5)	47.0(476.5)
106 2.5(150) 2.0(120) 2PC0 1.0(60) 1.5(90) 1.500 2.0(120) 1.00 1.0(60) 1.0(6	105			2.0(120)				00500450			-							00 5 (705 5)	07.0(004.5)		20.0(050.5)	00.0 (005.5)
100 1.5(90) 1.75(105) 110 1400×2400 2500×2800 1245 1255 1255 1245 1255 1255 1255 1255 1255 1255 1255 1255 1255 1255 1255 1255 1255 1255	106			2.5(150)				2650×2150	1435	1215							147.5	80.5(705.5)	67.0(691.5)	118.5	39.0(650.5)	62.0(685.5)
100 20 1.75(105) 2.0(120) 1100 1400×2400 2500×2800 1180 1055 1245 1245 1245 1245 1245 1245 1250 1250 1250 1245 1245 1245 1245 1245 1245 1245 1245	07			1.0(60)	2PC0							1		_		1	71.5x2sets	63.5 (390.5)	51.0(377.5)	113.5	25.5(341.5)	44.0(371.0)
09 1500 20 1.75(105) 1100 1400×2400 2500×2800 [1190] 1055 1630 145.0 2.0(120) 1255 1245 1500 1500 1500 1500 1500 1500 1500 15	08			1.5(90)					1245	1255							72.5x2sets	60 5 (404 0)	E6 0 (401 0)	1155	20.5(442.5)	40.0(472.5)
10 2.0(120) 1255 1245 154.0 83.0(707.5) 68.5(695.5) 124.0 39.5(650.5) 63.0(689.5)	09	1500	20	1.75(105)		1100	1400×2400	2500×2800					1055		1630		145.0	09.5(494.0)	50.0 (481.0)	115.5	29.0(442.5)	49.0(4/3.5)
111 2.5(150) 12-3 13-4.0 13	10			2.0(120)					1255	12/15							15/10	83 0 (707 5)	68 5 (695 5)	124.0	39.5(650.5)	63 0 (680 5)
	111			2.5(150)					1200	1243							134.0	30.0(101.3)	00.0 (090.0)	124.0	03.0 (000.0)	00.0 (003.3)

Note: 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 ():ENB1-20/50 regulations

*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 Please consult Hitachi or local agent if other specifications are required.

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

*2 []:With fire rated door

*3 ():ENB1-20/50 regulations

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

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

Rated speed 4.0.5, 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 and EN81-20/50 regulations

			Rated		Door OP	Car internal	Hoistway *1				4! .	F	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
	Lial		(m/min)	, Jpo	[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)							1057						72.5x2sets	69.5 (494.0)	56 0 (491 0)	115.5	29.5(442.5)	40.0(473.5)
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)	113.3	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	00.0(710.0)	70.5(035.5)	123.5	40.0 (030.0)	04.5(007.5)
117	1000	21	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	00.0 (7 10.0)	70.0(000.0)	120.0	40.0 (000.0)	04.0 (007.0)
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		4			
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	22 2 (122 2)	000(0000)		05 5 (050 0)	=0 = (00 + =)
131			1.0(60)	0000	4000	4500,0700	0500,0450	4505	005	1407		4400	٥٠	4700		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		470.5	73.0 (502.5)	65.0(494.0)		39.5(454.5)	57.0 (486.5)
																179.5	00.0(400.0)	00.0(000.0)	139.5	05.5(050.0)	E0 E (004 E)
134 135	2000	06	1.0(60)			2000×2000	2000072400			980						89.75x2sets	68.0 (400.0)	60.0(392.0)		35.5(353.0)	52.5 (384.5)
135	2000	26	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)
138			1.5(90)			2000×2100	2000×2500			1030						90.75x2sets	00.3(400.3)	00.3(352.3)	141.5	50.0 (555.5)	33.0 (303.0)
139			1.75(105)			2000/2100	2300^2300			[1040]						181.5	73.5 (503.0)	65.5(494.5)	141.5	40.0(454.5)	57.5(487.0)

Note: 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.

■Based on Malaysian regulations

Mathematical part				Rated		Door OP	Car internal	*1 Hoistway					. F	1					Pit reaction	loading *3	*4 [kN]	
Mathematical Registration	No.		Persons					X×Y			Lo	catio	n [mi	n]				Car side		Cou	nterweight	side
Tensor		[rg]			турс			[mm]	ХЗ	X4 *1	C *2	D	Е	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
1	1			1.0(60)														225.0	218.0		201.5	215.5
Note 1.5	2	615	9	1.5(90)			1150×1400	1950×1800	1050	900			870		1380		74.0	204.0	277.0	61.5	250.5	274.0
1	3			1.75(105)								530				800		204.0	211.0		209.0	274.0
1	4			1.0(60)		800					[690]	300				000		227.0	219.5		201.5	216.0
1	5			1.5(90)		000		2150×1800	1150	1000			970				79.5	286.0	278.5	64.0	259.5	274.5
		750	11				1350×1400								1580							
1	-							2250×2000	1235	1015		640	1030			900	97.5	689.5	679.0	81.5	651.0	677.0
1																		000 5	000 5		004.5	0400
14 15 15 15 15 15 15 15	-				2PC0			220071050	1175	1005	705	E20	1000	_		000	00 E	230.5	222.5	70 5	201.5	218.0
14	-						1500×1450	2200×1850	11/5	1025	[715]	530	1000		1640	800	90.5	289.5	281.0	/2.5	259.5	276.5
1-1 1-1	-						1300×1430								1040							
1	-							2350×2000	1285	1065		640	1060			900	108.5	693.0	682.0	90.0	651.0	679.0
1.5 1.5	-	885	13			900												228.0	219.5		198.5	215.5
1.75 1.75	15								1315			530	1105			800	91.5			73.5		
18	16			1.75(105)			1600×1350	(2400×1750)		(1085)	[666]				1740			287.0	278.5		256.5	274.0
18	17			2.0(120)							705											
	18			2.5(150)				2450×2000	1335	1115		640	11110			900	110.5	693.5	682.5	92.0	651.0	6/9.5
	19			1.0(60)														229.5	221.0		198.5	216.0
1,55 1,5	20			1.5(90)					1115		4407	530	845			800	96.0	288 5	280.0	77.0	256.5	275.0
Section Sect	21			1.75(105)	2S2P	1000	1100×2100			,,				45	1330			200.5	200.0		230.3	275.0
22 95	22							2000×2550	1155	845		640	905			900	113.0	694.5	683.0	93.5	651.0	680.0
1,0 1,0	-	955	14																			
	-																	232.0	223.5		201.5	219.0
The color of the							1000:11150	2300×1850	1225	1075	705	530	1050			800	95.0	291.0	282.5	76.0	259.5	277.5
Part	-						1600×1450				[715]											
1	-							2450×2000	1335	1115		640	1110			900	113.0	694.5	683.0	93.5	651.0	680.0
1.5 1.5	\vdash				2PC0	900								_	1740			229.5	221 5		198.5	216.5
15	-							2300×1950	1225	1075		530	1050			800	98.0	225.5	221.0	77.5	130.0	210.0
32 20(120) 25(150) 325 110 2450×2050 1335 111 110 1110 110	31	1025	15				1600×1550										00.0	289.0	280.0		256.5	275.0
33 2,5 1	32										[765]											
1.5 1.5	33			2.5(150)				2450×2050	1335	1115			11110				116.0	695.0	683.5	95.0	651.0	680.5
1.75 1.75	34			1.0(60)														388.0	377.0		347.0	372.0
1.75 (105) 2.0 (120) 2.5 (150) 2.5	35			1.5(90)				2100×2750	1210	890							119.0	400 E	470.0	95.5	440.0	474.0
37 38 39 40 40 41 1160 17 1.5(105) 2.0(120) 2.5(150) 2.5(150) 2.0(120) 2.5(150) 2.5(36			1.75(105)	2S2P	1100	1200×2300						955	45	1430			490.5	479.0		440.0	474.0
38 39 10 10 10 10 10 10 10 1	37			2.0(120)				2150×2750	1235	915							127.0	699.0	686.5	103.5	650.5	683.0
40 41 41 42 43 44 44 44 44 44 44	38							2100-2100	1200	0.0							12710		55515	100.0		
1160 17 1.75(105) 2.0(120) 2.5(150) 1.0(60) 1.75(105) 2.0(120) 2.5(150) 1.75(105) 2.0(120) 2.5(150) 1.75(105) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 1.75(105) 2.0(120) 2.5(150) 1.0(60) 1.75(105) 2.0(120) 2.5(150) 1.0(60	39																	387.5	376.5		346.5	371.5
1160 17 1.75 (105) 2.0 (120) 2.5 (150) 1.0 (60) 1.75 (105) 2.0 (120) 2.5 (150) 2.0 (120) 2.0	-	4400	4-				4000:1700	2400×2100	1295	1105	830		44.0		47.0		117.0	490.0	478.5	93.5	448.0	473.5
43 2.5(150) 1.0(60) 1.5(90) 1.75(105) 2.5(150) 2.5(150) 1.295 199 1.75(105) 2.0(120) 1.295 199 1.75(105) 2.0(120) 1.295 199 1.75(105) 2.0(120) 1.295 199 1.75(105) 2.0(120) 1.295 1.29	-	1160	1/				1600×1700						11110		1/40							
44 1.0(60) 1.5(90) 1.75(105) 2.0(120) 2.5(150) 1.990 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.75(105) 2.0(120) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(105) 1.5(90) 1.75(105) 1.5(90) 1.5(90) 1.75(105) 1.5(90) 1.5(90) 1.75(105) 1.5(90)	-							2450×2100	1330	1120		640				900	127.0	699.0	686.5	103.5	650.5	683.0
1.5(90) 1.75(105) 2.0(120) 2.5(150) 2.5(150) 1.90 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 1.295 19 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 2.0(120) 1.75(105) 1.	-				2PC0	1000								-			1170	382.0	371.0	04.5	342.0	366.0
46 1.75(105) 2.0(120) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150)	-							2600×2000	1390	1210							117.0	002.0	071.0	34.0	042.0	000.0
47	-						1800×1500						1210		1940		121.0	486.0	474.5	98.5	443.0	469.0
48	-										[/40]											
50 1.5(90) 19 1.75(105) 2.0(120) 2	-							2650×2000	1435	1215							127.0	699.0	686.5	103.5	650.5	683.0
51 1295 19 1.75(105) 282P 1100 1300×2300 2200×2750 1207 [1212] 1005 95 1530 493.5 481.5 448.0 475.5 52 2.0(120) 1300×2300 2200×2750 1305 895 1530 138.5 702.5 689.5 112.0 650.5 685.0	49			1.0(60)												1		391.0	379.0		347.0	373.5
51 1295 19 1.75(105) 282P 1100 1300×2300 2200×2750 1212) 1005 95 1530 138.5 702.5 689.5 112.0 650.5 685.0	50			1.5(90)					1290	910	100-						128.5	/02 E	/01 E	102.5	4400	175 E
52 2.0(120) 1305 895 138.5 702.5 689.5 112.0 650.5 685.0	51	1295	19	1.75(105)	2S2P	1100	1300×2300	2200×2750					1005	95	1530			490.0	401.5		+40.0	4/0.5
53 2.5(150)	-								1305	895							138.5	702.5	689.5	112.0	650.5	685.0
s) (): Travel distance > 60m Note: Above tables shows the dimensions on the following conditions	*1 (

Note: 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.

OUG-ON1 3 OUG-ON1 | 4

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

*2 []:With fire rated door

*3 ():EN81-20/50 regulations

*4 Rated speed 1.0 n/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 ():}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 Malaysian regulations

	Rated Door OP Car internal Hoistway Location [mm]												Pit reaction	loading *3	⁴ [kN]						
	Load [kg]	Persons	speed [m/s]	Door type	width W	size A × B	X×Y			LC	catio	n Lmr	nj				Car side		Cou	nterweight	side
	[real		(m/min)	type	[mm]	[mm]	[mm]	Х3	X4 *1	C *2	D	Е	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
54			1.0(60)													00 5 0	392.5	380.5		346.5	374.0
55			1.5(90)				2600×2150	1395	1205							66.5x2sets	495.0	482.5	105.5	448.0	476.0
56			1.75(105)		1000	1800×1750				855		1210		1940		133.0	495.0	462.5		446.0	4/6.0
57			2.0(120)				2650×2150	1/25	1015							141.0	703.5	690.0	113.5	650.5	685.5
58	1365	20	2.5(150)	2PC0			2030/2130	1400	1213				_			141.0	700.0	090.0	110.0	030.3	000.0
59	1000	20	1.0(60)	21 00												66.5x2sets	387.0	375.0		341.5	369.0
60			1.5(90)				2800×2050	1495	1305	755						00.0%23613	487.5	477.0	105.5	443.0	471.5
61			1.75(105)		1100	2000×1550				[765]		1310		2140		133.0	407.0	477.0		440.0	471.5
62			2.0(120)				2850×2050	1535	1315							141.0	703.5	690.0		650.5	685.5
63			2.5(150)				2000/2000	1000	1010							141.0	700.0	030.0	113.5	000.0	000.0
64			1.0(60)													71.5x2sets	390.5	377.5		341.5	371.0
65			1.5(90)							1257						72.5x2sets	494.0	481.0	115.5	442.5	473.5
66	1500	22	1.75(105)	2S2P	1200	1400×2400	2300×2850	1355	945	[1262]		1055	95	1630		145.0	10 110	10110			., 616
67			2.0(120)													154.0	707.5	693.5	124.0	650.5	688.0
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	855							500.5	487.0	118.5	448.0	479.0
	1565	23	1.75(105)			2000×1750				[865]						150.0					
72			2.0(120)				2850×2150	1535	1315		640				900	160.5	709.5	695.0	129.0	650.5	689.0
73			2.5(150)	2PC0	1100							1310	_	2140							
74			1.0(60)													77.75x2sets	399.5	386.0		347.0	378.0
75			1.5(90)				2800×2200	1495	1305	880							502.0	488.0	122.5	448.0	480.0
	1635	24	1.75(105)			2000×1800				[890]						155.5					
77			2.0(120)				2850×2200	1535	1315							165.5	711.0	696.0	132.5	650.5	690.0
78			2.5(150)									\vdash			-		000 5	000.5		050.0	000.0
79 80 1	1705	25	1.0(60)	2S2P	1200	150000500	2500×2950	1555	045	1307		1120	1 15	1730		83.0x2sets	396.5	388.5	132.0	353.0	382.0
81	1705	25	1.75(105)	2027	1200	1500×2500	2500×2950	1555	945	[1312]		1130	145	1730		166.0	498.5	491.0	132.0	454.0	484.0
82			1.0(60)													100.0	398.0	390.5		353.0	383.5
	1835	27	1.5(90)	2PC0	1100	2000×2000	2900×2400	1610	1200	980		1335	_	2140		86.5x2sets	390.0	390.3	136.5	333.0	303.3
84	1000	21	1.75(105)	21 00	1100	2000/2000	2300/2400	1010	1230	[990]		1000		2140		173.0	500.5	492.5	100.0	454.5	485.5
85			1.0(60)												1	170.0	399.0	391.0		353.0	384.0
	1905	28	1.5(90)	2S2P	1300	1500×2700	2500×3150	1505	995	1407		1130	95	1730		88.0x2sets	000.0	001.0	137.5	000.0	551.5
87	. 500		1.75(105)		1000	. 500 2, 00		,,,,,,		[1412]						176.0	501.5	493.5	107.0	454.5	486.0
88			1.0(60)												1		400.5	392.0		353.5	384.5
	1975	29	1.5(90)	2PC0	1100	2000×2100	2900×2500	1610	1290	1030		1335	_	2140		90.25x2sets			141.0		
	19/5 2		1.75(105)							[1040]				-		180.5	502.5	494.5		454.5	486.5

Note: 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.

			Rated		Door OP	Car internal	*1 Hoistway					F	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 [mr	n]				Car side			nterweight	side
	[rg]		(m/min)	турс	[mm]	[mm]	[mm]	Х3	X4 *1	C *2	D	Е	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
1			1.0(60)							600							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)																		
5			1.0(60)			1400×1100	2050×1700	1105	945	635	E20	950		1540	000	71.0	34.0	27.5	59.0	15.5	25.0
6			1.5(90) 1.75(105)			1400×1100	(2100×1700)	1105	(995)	[645]	530	950		1540	800	71.0	37.5	31.0	59.0	18.5	27.5
7			1.0(60)														07.0	30.0		16.5	27.0
8			1.5(90)				2150×1800	1150	1000	680 [690]		970				79.5		00.5	64.0	400	00.5
9	748	11	1.75(105)	2PC0	800	1350×1400				[090]			_	1580			41.0	33.5		19.0	29.5
10			2.0(120)				2250×2000	1235	1015	705	640	1030			900	97.0	64.5	54.5	81.5	35.5	52.5
11			2.5(150)				2200-2000		.0.0	[715]		1000							01.0		
12			1.0(60)				100000000	1010	000		F00	045			000	00.5	41.0	33.0	70.5	17.0	28.5
13			1.5(90) 1.75(105)				1900×2400	1010	890	980	530	845			800	90.5	44.5	36.0	72.5	19.5	31.5
15			2.0(120)							[990]											
16			2.5(150)				2050×2400	1130	920		640	905			900	110.5	69.0	57.5	92.0	36.0	55.0
17			1.0(60)			1100×2000								1330			41.0	33.0		17.0	28.5
18			1.5(90)				1900×2450	1110	790	1057	530	845			800	90.5	44.5	36.0	72.5	19.5	31.5
19			1.75(105)	2S2P						[1062]			95								
20			2.0(120) 2.5(150)				2000×2450	1205	795		640	905			900	110.5	69.0	57.5	92.0	36.0	55.0
22	884	13	1.0(60)														41.0	33.0		17.0	28.5
23			1.5(90)				2200×1850	1175	1025		530	1000			800	90.5			72.5		
24			1.75(105)			1500×1450				705 [715]				1640			44.5	36.0		19.5	31.5
25			2.0(120)				2350×2000	1285	1065	[/10]	640	1060			900	108.5	68.0	57.0	90.0	36.0	54.5
26			2.5(150)		900		2000/2000	1200	1000		040	1000			000	100.0			00.0		
27			1.0(60)				2350×1750	1015	1035	655	F00	1105			000	04.5	41.0	33.0	70.5	17.0	27.0
28			1.5(90) 1.75(105)	2PC0		1600×1350	(2400×1750)	1315	(1085)	[665]	530	1105	_	1740	800	91.5	44.5	36.5	73.5	19.5	32.0
30			2.0(120)	21 00		1000×1000				705				11740							
31			2.5(150)				2450×2000	1335	1115	[715]	640	1110			900	110.5	69.0	57.5	92.0	36.0	55.0
32			1.0(60)													94.5	42.5	34.0	76.0	17.5	29.5
33			1.5(90)				2000×2500	1005	995	1030	530	845			800	95.5	46.0	37.5	77.0	20.0	32.5
34			1.75(105)							[1040]					\vdash						
35 36			2.0(120) 2.5(150)				2150×2500	1130	1020		640	905			900	113.0	69.5	58.5	93.5	36.5	55.0
37			1.0(60)			1100×2100								1330		94.5	42.5	34.0	76.0	17.5	29.5
38			1.5(90)				1900×2550 (1950×2550)	1115	785 (025)		530	845			800				77.0		00.5
39	952	14	1.75(105)	2S2P	1000		(1930^2330)			1107 [1112]			45			95.5	46.0	37.5	77.0	20.0	32.5
40			2.0(120)				2000×2550	1155			640	905			900	113.0	69.5	58.5	93.5	36.5	55.0
41			2.5(150)											_							
42			1.0(60) 1.5(90)				2300×1800	1225	1075	680	530	1050			800	94.0	42.0	34.0	75.0	17.5	29.5
44			1.75(105)	2PC0		1600×1400	2000/1000	1223	1075	[690]	330	1030	_	1740		34.0	45.5	37.0	75.0	20.0	32.5
45			2.0(120)							705											
46			2.5(150)				2450×2000	1335	1115	[715]	640	1110			900	113.0	69.5	58.5	93.5	36.5	55.0
47			1.0(60)														44.0	35.5		17.5	30.5
48			1.5(90)				1800×2850	1015	785	1257	530	795			800	99.5	47.5	38.5	79.0	20.0	33.5
49 50			1.75(105) 2.0(120)	2S2P	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)		1												43.0	35.0		17.5	30.0
53			1.5(90)				2300×1900	1225	1075	700	530	1050			800	97.5	AG F	38.0	77.0	20.0	22.0
54			1.75(105)	2PC0		1600×1500				730 [740]			_	1740			46.5	30.0		20.0	33.0
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)																		

Based on Hitachi standard for India

Note: 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.

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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	*I						_				Pit	reaction lo	ading *3*4 [kN]	
No.	Load	Persons	speed	Door	width	size	Hoistway X × Y			Lo	catio	n [mr	n]				Car side			nterweight	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)							-							55.5	44.5		24.0	39.5
58			1.5(90)				2400×2100	1295	1105							117.0			93.5		
59			1.75(105)			1600×1700				830 [840]		1110		1740			60.5	49.0		28.0	44.0
60			2.0(120)				2450×2100	1220	1120	[040]						107.0	74.5	60.0	102 E	27.5	E0.0
61	1156	17	2.5(150)	2PC0	1000		2450×2100	1330	1120				_			127.0	74.5	62.0	103.5	37.5	58.0
62	1130	17	1.0(60)	2500	1000											117.0	54.5	44.0	94.5	23.5	39.0
63			1.5(90)				2600×2000	1390	1210	730						121.0	61.5	50.0	98.5	28.0	44.5
64			1.75(105)			1800×1500				[740]		1210		1940							
65			2.0(120)				2650×2000	1435	1215							127.0	74.5	62.0	103.5	37.5	58.0
66 67			2.5(150)														57.0	45.5		24.5	40.5
68			1.0(60)				2100×2750	1210	800							121.5	57.0	45.5	97.0	24.5	40.5
69			1.75(105)	2S2P		1200×2300	2100^2750	1210	030	1207		955	45	1430		121.5	62.0	50.5	37.0	28.0	44.5
70			2.0(120)	2021		1200/2000				[1212]		333	75	1400							
71			2.5(150)				2150×2750	1235	915							135.5	77.0	64.0	110.5	38.0	60.0
72	1224	18	1.0(60)		1100												57.5	46.0		24.5	40.5
73			1.5(90)				2800×1950	1495	1305	680 [690]						123.5	20.5	54.0	98.5	00.5	45.0
74			1.75(105)			2000×1400				[090]		1310		2140			62.5	51.0		28.5	45.0
75			2.0(120)				2850×2000	1525	1215	705						135.5	77.0	64.0	110.5	38.0	60.0
76			2.5(150)	2PC0			2000/2000	1555	1313	[715]			_			133.3	77.0	04.0	110.5	36.0	00.0
77			1.0(60)	21 00													59.0	47.5		25.0	41.5
78			1.5(90)				2250×2700	1170	1080	1130						128.5	64.0	52.0	102.5	28.5	46.0
79			1.75(105)		1000					[1140]											
80			2.0(120)				2350×2700	1230	1120							138.0	78.0	64.5	112.0	38.0	60.0
81			2.5(150)			1300×2300						1005		1530			59.0	47 E		25.0	41.5
82			1.0(60)					1290	910							128.5	59.0	47.5	102.5	25.0	41.5
84	1292	19	1.75(105)	2S2P			2200×2750		310	1207	640		95		900	120.0	64.0	52.0	102.0	28.5	46.0
85	.202		2.0(120)							[1212]	0.0										
86			2.5(150)					1305	895							138.0	78.0	64.5	112.0	38.0	60.0
87			1.0(60)		1100												59.0	47.5		25.0	41.5
88			1.5(90)				2800×2000	1495	1305							128.5	64.0	52.0	102.5	28.5	46.0
89			1.75(105)			2000×1500				730		1310		2140			04.0	52.0		20.0	46.0
90			2.0(120)				2850×2000	1535	1315	-						138.0	78.0	64.5	112.0	38.0	60.0
91			2.5(150)					1000	10.0							100.0			11230		
92			1.0(60)													65.5x2sets	60.0	48.0		25.0	42.0
93			1.5(90)		4000	4000700	2600×2100	1395	1205	830		1010		4040		101.0	65.0	52.5	103.5	29.0	46.5
94 95			1.75(105) 2.0(120)		1000	1800×1700				[840]		1210		1940		131.0					
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)														60.0	48.0		24.5	42.0
98			1.5(90)				2800×2050	1495	1305							66.25x2sets			105.0		
99			1.75(105)	2PCO	1100	2000×1550				755		1310	_	2140		132.5	65.0	53.5		28.5	46.0
100			2.0(120)							[765]											
101			2.5(150)				2850×2050	1535	1315							141.0	78.5	65.5	113.5	38.5	60.5
102			1.0(60)													67 75v2coto	61.0	49.0		25.0	42.5
103			1.5(90)				2600×2150	1395	1205							67.75x2sets	66.5	54.0	106.5	29.0	47.0
	1428	21	1.75(105)		1000	1800×1750				855 [865]		1210		1940		135.5	00.0	0-7.0		25.0	71.0
104			2.0(120)				2650×2150	1435	1215	-						151.5	82.0	68.0	122.5	39.0	63.0
105	- 1		2.5(150)																		
105 106						I	1									71.5x2sets	63.5	50.5	113.5	25.5	44.0
105 106 107			1.0(60)													_a _ ·		l			
105 106 107 108	1400	00	1.5(90)		4400	4.4000	0500::000	1245	1255	1180		1055		1000		72.5x2sets	69.5	56.0	115.5	29.5	49.0
105 106 107	1496	22			1100	1400×2400	2500×2800	1245				1055		1630		72.5x2sets 145.0	69.5	56.0	115.5	29.5	49.0

Based on Hitachi standard for India

			Rated	_	Door OP	Car internal	Hoistway *1	Location [mm]						Pit	reaction lo	ading *3*4 [l	(N]				
No.	Load [kg]	Persons	speed [m/s]	Door type	width W	size A × B	X×Y			LU	Juani	11 [1111	II]				Car side		Cour	nterweight	side
	[9]		(m/min)	1,00	[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)							4057						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	29.5	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)													77.75x2sets	67.5	54.0		26.5	46.5
123			1.5(90)	0000	4400	0000	2800×2200	1495	1305	880						455.5	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				900		69.0	55.0		26.5	47.0
128			1.5(90)				2900×2100	1540	1360							79.5x2sets	00.0	00.0	126.5	20.0	47.0
129			1.75(105)			2100×1700	200072100	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	=0.0		133.0		55.0
134			1.75(105)	2S2P						[1012]		4400		4700		168.5	70.0	62.0		38.5	55.0
135			1.0(60)	252P								1130		1730		00 000040	67.0	59.0		35.5	52.0
136			1.5(90)		1300	1500×2700	2500×3150	1505	995	1407 [1412]			95			88.0x2sets	72.0	64.0		39.5	56.5
137	1904	28	1.75(105)													176.0	12.0	04.0	137.5	38.3	0.00
138	1504	20	1.0(60)							000						88.0x2sets	67.0	59.0	107.0	35.5	52.0
139			1.5(90)	2PC0	1100	2000×2000	2900×2400	1610	1290	980 [990]		1335	_	2140			72.0	64.0		39.5	56.5
140			1.75(105)													176.0	, 2.0	00		00.0	00.0

Note: 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.

OUG-ON1 | 7 OUG-ON1 8

^{*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.

Note: 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

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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

Mathematical Registration				Rated		Door OP	Car internal	*1 Hoistway						_				Pit	reaction lo	ading *3*4 [kN]	
1 1 1 1 1 1 1 1 1 1	No.		Persons					X×Y			Lo	catio	on [mr	n]				Car side		Cou	nterweight	side
		[rg]			type			[mm]	ХЗ	X4 *1	C *2	D	Е	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
Mathematical Content of the conten	1			1.0(60)														35.0	28.0		16.0	25.5
No. 1.5	2			1.5(90)			1100×1400	1950×1850	1035	915			845		1330			38.5	31.5		18.5	28.5
Mathematical Color Mathema		600	8			800											71.5			59.0	10.0	
1											635							35.0	28.0		16.0	25.5
							1400×1100	2150×1750	1150	1000		530	950		1540	800		38.5	31.5		18.5	28.5
1.50 1.50																		27.0	20.0		105	00.5
1 1 1 1 1 1 1 1 1 1								2200×1950	1175	1025			070				79.0	37.0	30.0	63.0	10.5	20.0
Total Tota		750	11				1350×1400	2200/1000	1173	1023	[690]		310				70.0	40.5	33.0	05.0	19.0	29.5
1		700					1000/1400								1580							
1					2PC0			2300×2050	1260	1040		640	1030	_		900	101.0	66.0	55.5	85.5	35.5	53.0
1.5 1.5	12																	41.0	33.0		17.0	28.5
14 1.75 1.	13			1.5(90)				2250×1900	1200	1050		530	1000			800	90.5		20.0	72.5	10.5	0.4.5
15 17 185 13 25/150 13 15/300 15	14			1.75(105)			1500×1450				[713]				1640			44.5	36.0		19.5	31.5
16	15			2.0(120)				2400×2050	1310	1000		640	1060		1040	ann	108.5	68.0	57.0	90.0	36.0	54.5
17 18 1.590 1.75(105) 2.20	16	885	13	2.5(150)				2400/2030	1310	1030		040	1000			300	100.5	00.0	57.0	30.0	30.0	34.3
15 15 15 15 15 15 15 15		000	10								655							38.0	33.5		21.0	28.5
20 21 25 25 25 25 25 25 25								2450×1800	1355	1095		530	1105			800	91.5	41.0	36.5	73.5	24.0	31.5
25 25 1.0 2.5 1.0						900	1600×1350								1740							
1.0 1.0								2500×2050	1360	1140		640	1110			900	108.5	68.0	57.0	90.0	36.0	54.5
1.5 30 1.75 1.5 30 1.75 1.5 30 1.75 1.5 30 1.75 1.5 30 1.75 1.5 30 1.75 1.5 30 1.75 1.5 30 1.75 1.5 30 1.5 1.5 30 1.5 1.5 30 1.5 1.5 30 1.5 1.5 30 1.5 1.5 30 1.5 1.5 30 1.5 1.5 30 1.5 1.5 30 1.5 1.5 30 30 30 30 30 30 30 3											[/10]							41.0	22.0		17.0	20.0
1/5 1/5								1950×2500	1135	815		530	845			800	91.0	41.0	33.0	73.0	17.0	29.0
25 26 26 26 26 26 26 26					2S2P		1100×2000	1330/2300	1100	013		300	040	95	1330	000	31.0	44.5	36.5	75.0	20.0	32.0
26 27 28 27 28 27 28 27 28 28					202.						[1062]											
28								2050×2500	1230	820		640	905			900	111.0	69.0	58.0	92.5	36.0	55.0
28	27	900	13	1.0(60)														41.5	33.5		17.0	29.0
29	28			1.5(90)				2350×1850	1250	1100		530	1050			800	92.0	45.0	26.5	74.0	20.0	20.0
31	29			1.75(105)	2PC0		1600×1400				[030]			_	1740			45.0	36.5		20.0	32.0
31	30			2.0(120)				2500×2050	1360	1140		640	1110			900	111.0	69.0	58.0	92.5	36.0	55.0
33 34 950 14 1.75(105) 2.20(120) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.20(120) 2.5(150) 2.20(120) 2.20								200072000	1000	1110	[715]	010	1110			000	111.0			02.0		
34 950 14																		42.0	33.5		17.5	29.5
36 36 37 2.01(20) 2.5(150) 38 39 1020 15 1.5(90) 2.5(150) 2.2(15								2000×2600	1140	860	1107	530	845			800	93.0	45.5	37.0	75.0	20.0	32.0
Section Sect		950	14		2S2P	1000	1100×2100							45	1330							
37 38 39 1020 15 1.5(90) 1.5(90) 2.0(120) 2.5(150) 2.5(150) 2.0(120) 2.0(12								2050×2600	1180	870		640	905			900	113.0	69.5	58.5	93.5	36.5	55.0
38 1020 15 1.75 (105) 2.0 (120) 2.5 (150)																		44 0	35.5		175	30.5
39 1020 15 1.75(105) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.5(150) 2.5(150) 2.5(150) 2.0(120) 2.0(120) 2.								2350×2000	1250	1100		530	1050			800	99.5			79.0		
A0		1020	15		2PC0	900	1600×1550							_	1740			47.5	38.5		20.0	33.5
41											[/65]											
1.5(90) 1.75(105) 2.5(150) 2.5(150) 1.5(90)	41			2.5(150)				2500×2100	1360	1140			1110				115.5	70.5	59.0	95.0	36.5	55.5
1.75(105) 2.0(120) 2.5(150) 1.5(90)	42			1.0(60)														56.0	45.0		24.0	40.0
1.75(105) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120) 2.5(150) 2.0(120)	43			1.5(90)				2150×2800	1235	915	1207						118.5	61.0	49.5	95.5	28.0	44.5
25(150) 25(150) 1,0(60					2S2P	1100	1200×2300						955	45	1430			01.0	40.0		20.0	44.0
46 47 48 1150 1.5(90) 1.75(105) 2.5(150) 1.5(90) 1								2200×2800	1260	940							126.5	74.0	62.0	103.5	37.5	58.0
150 17 1.5(90) 1.75(105) 2.0(120) 2.5(150) 1.5(90) 1.5(90) 1.5(90) 1.5(105) 2.0(120) 2.5(150) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(90) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105) 2.0(120) 1.5(105) 1.5																						
49 1150 17 1.75(105) 2.0(120) 50 2.0(120) 51 2.5(150) 52 1.0(60) 1.5(90) 1.5(90) 1.75(105) 2.0(120) 2.0(120) 1800×1500 1800×1500 1800×1500 1800×1500 1200 1100 1210 1100 1100 1110 1110 1110 1110 1110 126.5 74.0 62.0 116.0 60.0 49.0 28.0 44.0 24.0 39.5 116.0 60.0 49.0 28.0 44.0 200 116.0 126.5 74.0 60.5 49.0 28.0 44.0 116.0 60.0 49.0 29.5 28.0 43.5 126.5 74.0 126.5 74.0 126.5 74.0 126.5 74.0 126.5 74.0 126.5 74.0 126.5 74.0 126.5 74.0 126.5 74.0 126.5								045070155	1000	1100							4405	55.5	44.5	00.5	24.0	39.5
50		1150	17				1600~1700	245U×2150	1320	1130	830	640	1110		1740	900	116.5	60.5	49.0	93.5	28.0	44.0
51 2.5(150) 1.0(60) 1.5(90) 1.75(105) 2.0(120) 2PC0 1000 2E500×2150 1355 1145 1145 1210 1230 730 730 730 730 730 730 730 730 730 7		1100	17				1000/1/00				[840]		1110		1/40							
52								2500×2150	1355	1145							126.5	74.0	62.0	103.5	37.5	58.0
53					2PC0	1000								-				55.0	44.0		24.0	39.5
54 1.75(105) 1800×1500 1740 1210 1940 126.5 74.0 62.0 103.5 37.5 58.0								2650×2050	1420	1230							116.0			92.5		
55 2.0(120) 2700×2050 1460 1240 126.5 74.0 62.0 103.5 37.5 58.0	54			1.75(105)			1800×1500						1210		1940			60.0	49.0		28.0	43.5
56 2.5(150)	55			2.0(120)				2700×2050	1/160	12/10	[140]						126.5	74.0	62.0	103.5	37.5	58.0
	56			2.5(150)				2100~2000	1700	1240							120.5	74.0	02.0	100.0	07.0	50.0

Based on SS550

			Rated	_	Door OP	Car internal	*1 Hoistway			1.	nostin	n Im	ml				Pit	reaction lo	n load	ling *3*4 [kN]	
No.	Load [kg]	Persons	speed [m/s]	Door type	width W	size A × B	X×Y			LC	catio	n [mi	mj				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
57			1.0(60)														57.0	46.0			24.5	40.5
58			1.5(90)				2850×2000	1520	1330	680 [690]						122.5	00.5	50.5		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	00.0		110.0	30.0	39.3
62			1.0(60)		1100												59.0	47.5			25.0	41.5
63			1.5(90)					1315	935	1207						128.5	64.0	52.0		102.5	28.5	46.0
64	1290	19	1.75(105)	2S2P		1300×2300	2250×2800			[1212]		1005	95	1530			04.0	02.0			20.0	10.0
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)													66.25x2sets	60.5	48.5	_		25.0	42.5
73			1.5(90)		4400	000004550	2850×2100	1520	1330	755		4040		04.40		132.5	65.5	53.0		105.0	29.0	46.5
74			1.75(105)		1100	2000×1550				[765]		1310		2140					_			
75 76			2.0(120) 2.5(150)				2900×2100	1560	1340							140.5	78.5	65.0		113.0	38.5	60.5
77			1.0(60)												-	72.0x2sets	64.0	51.5	_		26.0	44.5
78			1.5(90)					1365	085							72.0023613	04.0	31.3	-	114.0	20.0	44.0
79	1500	22	1.75(105)	2S2P	1200	1400×2400	2350×2900	1000	300	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	2000/2000			[1262]		1000	33	1000					+			
81			2.5(150)					1380	970							154.0	83.0	68.5		124.0	39.5	63.0
82			1.0(60)												1	75.0x2sets	66.0	53.0	+		26.0	45.5
83			1.5(90)				2850×2200	1520	1330		640				900				\dashv	118.5		
84	1565	23	1.75(105)			2000×1750				855		1310		2140		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)													77.75x2sets	67.5	54.0	\top		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]		1310	—	2140		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	2-7	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)												-	00 50	00.5	F0 F	_		25.0	F4 F
100	1025	27	1.0(60)	2PC0	1100	2000~0000	2050~0450	1605	1015	980		1225		21.40		86.5x2sets	66.5	58.5	\dashv	126 5	35.0	51.5
101	1835	27	1.5(90) 1.75(105)	2500	1100	2000×2000	2950×2450	1033	1010	[990]		1335	_	2140		173.0	71.0	63.0		136.5	39.0	56.0
102			1.0(60)									_			-	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		00.0423612	01.0	33.0	\dashv	137.5	00.0	JZ.U
105	. 555		1.75(105)	LULI	1,500	.5557.2700			1020	[1412]						176.0	72.0	64.0		107.0	39.5	56.5
106			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						141.5		
108		-	1.75(105)							[1040]						181.5	73.5	65.5			40.0	57.5
	\.T		e > 60m			1	L							_		Note: Above						

Note: 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 1.5 1.75m/s : Travel distance ≤ 60m

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

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

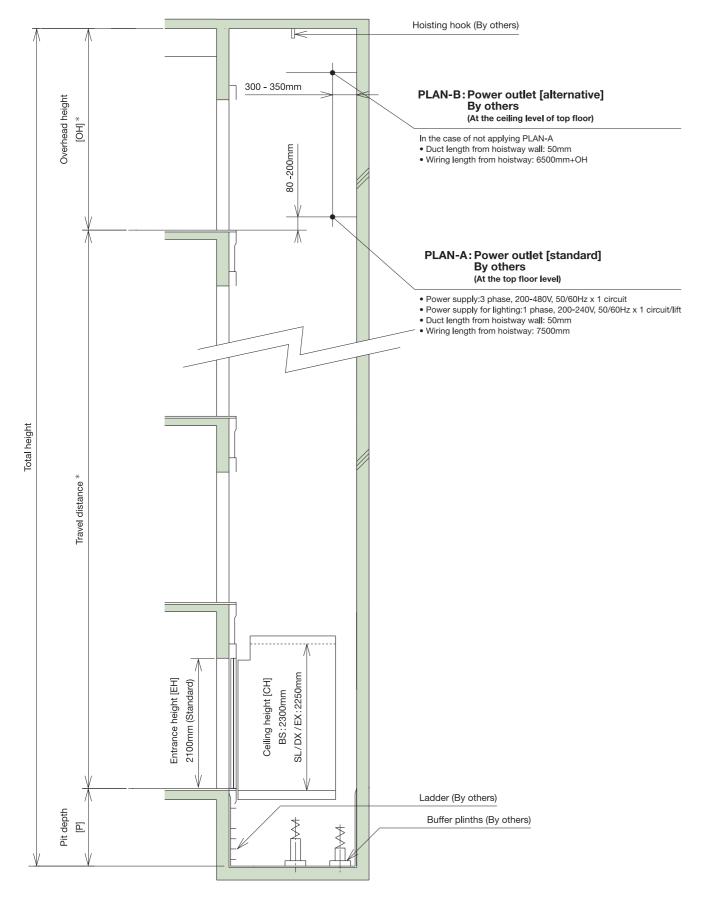
*4 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

Note: 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.	Rated speed [m/s] (m/min)		Hitachi standard Hitachi standard for India			EN81-20/50			Malaysian regulations	
	(111/111111)	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	4300	4350
2	1.5(90)	(3870)	(4270)	(4420)	(4270)	(4370)	(4420)	(4320)	(4420)	(4470)
3	1.75(105)	4050 (4170)	4350 (4470)	4350(4470)	4350(4470)	4350 (4470)	4350 (4470)	4400 (4520)	4400 (4520)	4400 (4520)
4	2.0(120)	4600 (4600)	4600 (4600)		4600 (4600)	4600 (4600)		4650 (4650)	4650 (4650)	
5	2.5(150)	4700 (4700)	4700 (4700)	_	4700 (4700)	4700 (4700)	_	4750 (4750)	4750 (4750)	_

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]		Hitachi standard Hitachi standard for India EN81-20/50			Malaysian regulations			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)	1350	1600	1650	1500	1750	1750	1600	1900	2050
3	1.75(105)	1450	1700	1800	1600	1850	1900	1650	2100	2250
4	2.0(120)	2000	2300	<u>_</u>	2050	2350	_	2050 (2000)	2300	_
5	2.5(150)	2050	2350	_	2100	2400	_	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)	32	80
4	2.0(120)	36	120
5	2.5(150)	36	120

■Rated Speed 1.75m/s or less

*1 ():SL/DX/EX series ceiling *2 Travel distance ≤ 30m

*2 Travel distance ≤ 30m : Above overhead height + 50mm 60m < Travel distance ≤ 60m : Above overhead height + 100mm
*3 Overhead height will be increased accordingly if either EH or CH increases.

#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 $30m \le Travel distance \le 45m$

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, (): Travel distance ≤ 60m

Note: Above tables shows the dimensions based on standard specifications.

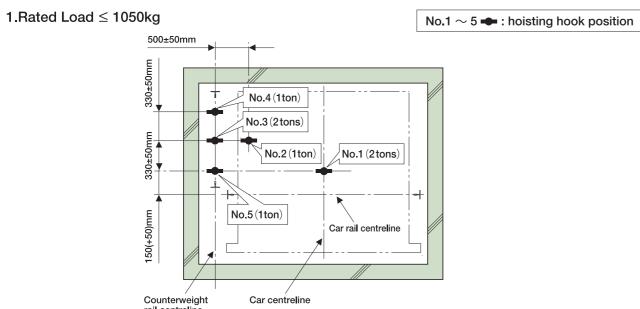
Please consult Hitachi or local agent if other specifications are required.

OUG-ON1 | 11 OUG-ON1 | 12

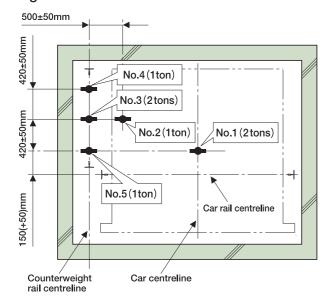
Location of hoisting hook and hoisting beam

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

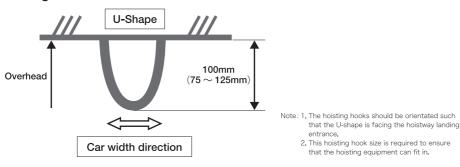


2.Rated Load > 1050kg



OUG-ON1 | 13

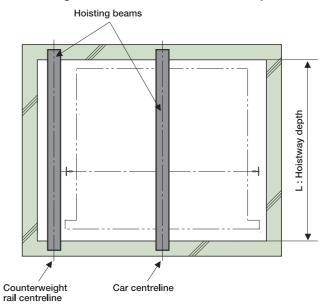
3. Orientation and size of Hoisting Hooks



2 Hoisting beams

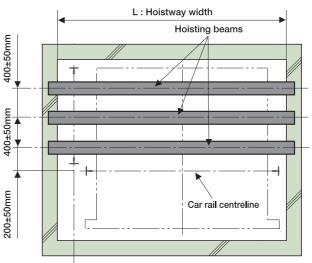
1. Hoisting beams layout (Standard)

Hoisting beams in the direction of car depth

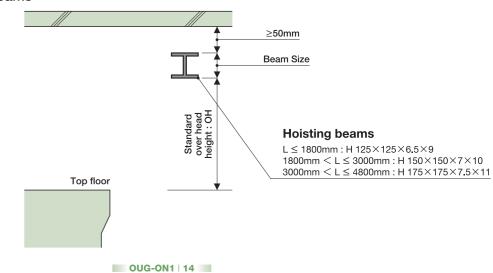


2. Hoisting beams layout (Alternative)

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

No.	Load	Rated speed	Motor capacity	Supply voltage	Brea	aker capac	ity [A]	Transfor	mer capaci	ty [kVA]	Starting	Lead	in wire for drive	e [mm²]	Earth wire	Calorific value
NO.	[kg]	[m/s] (m/min)	[kW]	vonage [V]	1 unit	2 units	3 units	1 unit	2 units	3 units	power [kVA]	1 unit	2 units	3 units	[mm²]	[kca l /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	5.5	14	14	2.0	830
3				440-480	50	75	100					5.5	8	17	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	0.5	
7		4.75/405)		220-230	100	125	150	,	40	47	00	38.0	60	100	3.5	4.400
9		1.75(105)	6.8	380-415 440-480	30 50	40 75	50 100	7	12	17	23	8.0	14	22 14	2.0	1460
10				220-230	100	125	150					22.0	38	60	3.5	
11		1.0(60)	4.6	380-415	20	30	40	5	9	12	16	22.0	14	00	0.0	990
12				440-480	50	75	100					5.5	8	14	2.0	-
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			22		1490
15				440-480	50	75	100					8.0	14	14	2.0	
16				220-230	100	125	150	7	12	17		38.0	60	100		
17		1.75(105)	8.1	380-415	40	40	50] ′	12	17	26	14.0	22	22	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	3.5	1980
21	748 ~ 750			440-480	100	100	150					14.0	22	38		
22				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	- 00	60	- 0.5	2470
24 25				440-480 220-230	100	100 125	150 150					14.0	38	38 60	3.5	
26		1.0(60)	5.6	380-415	30	30	40	6	11	15	19	8.0		22		1190
27		1.0(00)	3.0	440-480	50	75	100	"	''	13	19	5.5	14	14	2.0	1130
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	1	
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	2.5	2080
33				440-480	50	75	100	10	17	24		8.0	14	22	3.5	
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		38	0.0	
37				220-230	175	200	250					100.0	150(121m)*1	150(86m)*1	5.5	
38		2.5(150)	15.0	380-415	50	75	100	18	33	46	57	22.0	60	60		2970
39				440-480	100	100	150					20.0	38	100	3.5	
40		1.0(60)	6.5	220-230	20	125	40	7	10	17	20	38.0	60	100		1200
41		1.0(60)	6.5	380-415 440-480	30 50	40 75	100	7	12	17	22	8.0 5.5	14	14	2.0	1390
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	5.5	2080
45		1.0(00)	0.7	440-480	50	75	100	9	16	22		8.0	14	22	3.5	2000
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			2430
48				440-480	50	75	100					14.0	22	- 38	3.5	
49				220-230	175	200	250					100.0	150(138m)*1	150 (98m)*1	5.5	
45		2.0(120)	13.0	380-415	50	60	100	16	30	41	50	22.0	38	60	3.5	2770
50				440-480	100	100	150					14.0	30	38	3.3	
_				1	175	200	250					100.0	150(108m)*1	150(77m)*1		
50 51 52				220-230					37	51	64	38.0	60	100	1	3460
50 51 52 53		2.5(150)	17.0	380-415	60	75	100	20	31	"	•				5.5	3400
50 51 52 53 54		2.5(150)	17.0	380-415 440-480		100	100	20	31	01		22.0	38	60	5.5	3400
50 51 52 53 54 55				380-415 440-480 220-230	100	100 125	150					22.0 38.0			3.5	
50 51 52 53 54 55 56		2.5(150)	17.0 7.1	380-415 440-480 220-230 380-415	60 100 40	100 125 40	150 50	7	12	17	23		38	60	3.5	1520
50 51 52 53 54 55 56 57	1051 ~ 1150			380-415 440-480 220-230 380-415 440-480	60 100 40 50	100 125 40 75	50 100	7	12	17		38.0 8.0	38 60 14	60 100 22	3.5	
50 51 52 53 54 55 56	1051 ~ 1150			380-415 440-480 220-230 380-415	60 100 40	100 125 40	150 50					38.0	38 60	60 100	3.5	

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

■Electrical Data

	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	30	75	100					14	22	30	5.5	
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	150(50)*1		
67		0.5(450)	10	220-230 380-415	175 60	200 75	250	04	20	54	00	150 38	150(102m)*1 60	150(73m)*1 100	5.5	0700
68		2.5(150)	18	440-480	00	100	125	21	39	54	68	22	38	60		3790
70				220-230	100	125	150	8	14	19		38	60	100		
71		1.0(60)	8.3	380-415	40	40	50	7	12	17	27	14	22	38	3.5	1780
72				440-480	50	75	100	8	14	19		8	14	22		
73				220-230	100	125	150					60	100	150(146m)*1	5.5	
74		1.5(90)	13	380-415		60	75	11	19	26	40	14	38	20	2.5	2670
75				440-480	50	75	100					14	22	38	3.5	
76				220-230	100	125	150					60	150	150(128m)*1	5.5	
77	1151 ~ 1350	1.75(105)	15	380-415	50	60	100	12	21	29	45	22	38	60	3.5	3120
78				440-480		75						14	22	38		
79				220-230	175	200	250					100	150(108m)*1	150(77m)*1	5.5	
80		2.0(120)	17	380-415	60	75	100	20	37	51	64	38	60	100	0.5	3560
81				440-480 220-230	100 175	100	150 250	25	46	64		22 150	38 150(88m)*1	60 150(63m)*1	3.5	
83		2.5(150)	21	380-415	60	200	125	23	44	62	78	38	130(0011)	150(6311)		4450
84		2.5(150)	21	440-480	00	100	120	25	46	64	,,,	22	60	100	5.5	4430
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		2150
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	50	60	100	12	21	29	45	22	38	60	3.5	3230
90				440-480	30	75	100					14	22	38	5.5	
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		3770
93				440-480	50			15	26	36		14	1=0(00)::1	38	3.5	
94		0.0(4.00)	00	220-230	175	200	250	25	46	64	70	150	150(88m)*1	150(63m)*1		4040
95		2.0(120)	20	380-415 440-480	60 100	100	125 150	24 25	44 46	62 64	78	38 22	60	100	5.5	4310
97				220-230	175	200	250	20	40	04		150(131m)*1	150(72m)*1	*2	8.0	
98		2.5(150)	25	380-415	75	125	200	30	55	77	95	130(101111)	100	150	0.0	5390
99				440-480	100	100	150		""		""	38	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	1.4	38	20	٥٢	2380
102				440-480	100	100	150					14	22	38	3.5	
103				220-230	175	200	250					100	150(144m)*1	150(105m)*1	5.5	
104	1636 ~ 1800	1.5(90)	17	380-415	60	75	100	14	24	33	51	22	38	60	5.5	3560
105				440-480	100	100	150					14		38	3.5	
106		(>		220-230	175	200	250					100	150(124m)*1	150(90m)*1		
107		1.75(105)	20	380-415	60	100	125	16	28	38	60	22	60	60	5.5	4150
108				440-480	100	200	150					60	38	1E0/124m*]		
109		1.0(60)	13	220-230 380-415	175 50	200 60	250 75	11	19	26	40	60	150 38	150(134m)*1		2640
111		1.5(00)	10	440-480	100	100	150	''	13	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			60	5.5	3960
114		"		440-480	100	100	150					22	38	38	3.5	
115				220-230	175	200	250					150	150(113m)*1	150(82m)*1		
116		1.75(105)	22	380-415	75	100	125	18	31	43	65	38	60	100	5.5	4620
117				440-480	100	100	150					22	60	60		
Note:	Maximum length of le	ead-in wire is	s 150m ma	vimum lead-i	in wire siz	 e is 150m	m ²									

Note: 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.

^{*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.

Memo	