

**Noriai-go™ 20/30 Series**

**OTIS**  
Home Elevator



# “Barrier-free” to “Floor-free”



## Sense of floor free

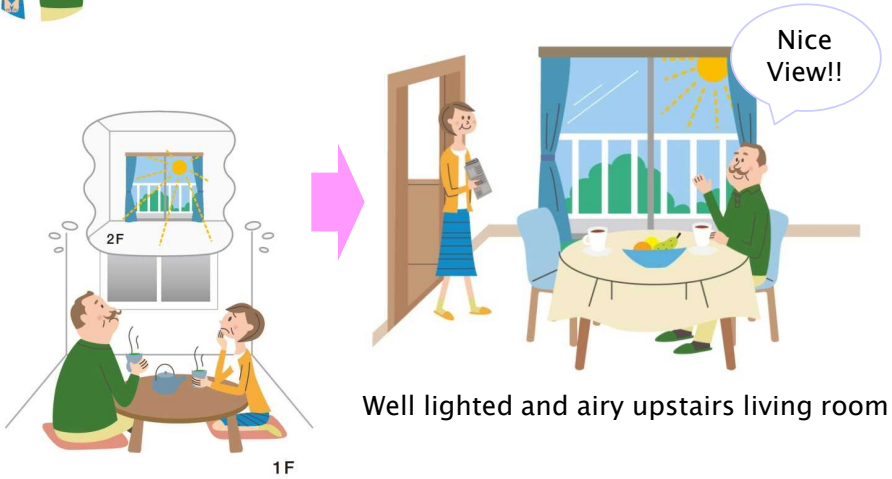
Home elevator has been working in active as transfer means for the aged and the disabled.

Recently, it started that home elevator is used for all families to live with sense of one story house.

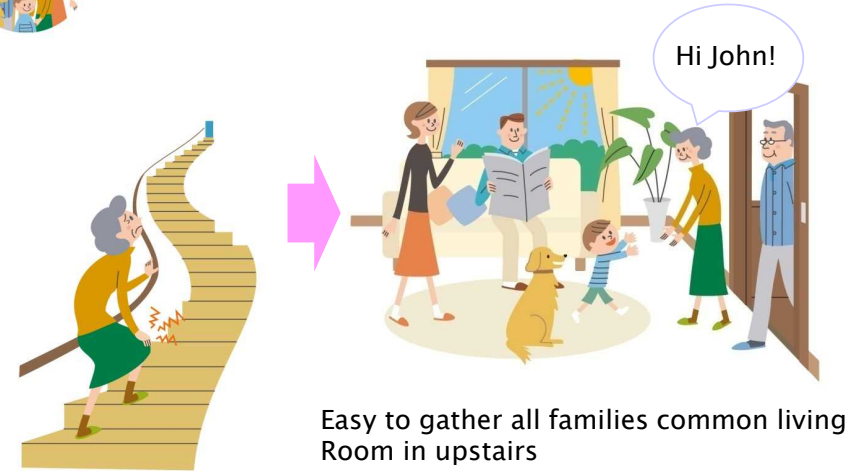
Home elevator. It is not only making easy to transfer but also changing all families life comfortable.



### Wife and husband at home



### Two families at one house



### Daily housework at home



### Wheelchair user at home

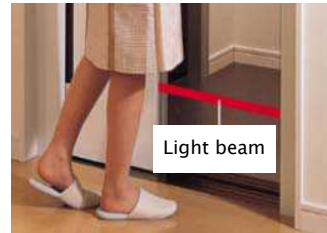


## STANDARD FEATURES

- ◆ **Mechanical door safety device**
- ◆ **Light beam door protection system**

Our all products use Mechanical Door Safety Device as standard features. It will reopen the closing doors when touched.

All products equips light beam door protection system as standard. It emits invisible light beam across the elevator entrance, and if beam is interrupted, the doors will reopen immediately.



- ◆ **15mm running clearance**

Otis technology has made it possible to reduce the clearance between the sills of the entrance and the elevator car to as narrow as 15 mm.

(10mm running clearance for SLIM)

This significantly enhances safety in using the elevator especially for people in a wheelchair or with a cart.



- ◆ **Leveling adjustment**

Adjust the level differences in automatically.

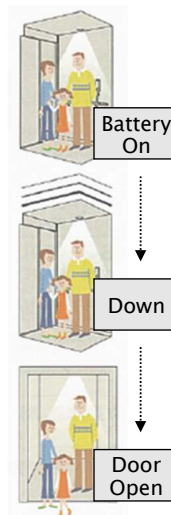
- ◆ **Automatic rescue operation for power failure**

In the event of a power failure, you do not have to worry about being stranded in the elevator.

Standby power and car lighting is made readily available to bring the elevator safely to the nearest lower landing or the bottom landing. When the elevator arrives at the nearest lower landing or the bottom landing, the doors will automatically open.

- ◆ **Flood sensor**

When water pools in the pit because of flooding, a flood sensor works to stop elevator operation.



- ◆ **Parking key switch**

Parking key switch at entrance renders the elevator inoperative.

This device is safety function for children not to play with the home elevator.

\* For one floor, two floors and more is option (See below).



Parking Key Switch

- ◆ **Automatic home landing**

When the elevator is not in use for a fixed period time you can make the elevator to move to and wait at home floor which previously you set up.

- ◆ **Call cut out**

Call cutout can be set not to stop the floor where you don't want to stop at.

When you want to set call cutout, please contact Otis staff.

## OPTIONAL FEATURES

- ◆ **Earthquake operation**

This device has a sensor for tremors. When the sensor detects a tremor with a magnitude beyond the predetermined level, the device will automatically stop elevator operation or bring the elevator to the nearest landing if the elevator is running.



### !! When earthquake occurs !!

Please do not use elevator, even after earthquake ceases. We recommend you to have a professional check.

- ◆ **Additional Parking key switch**

It is possible to add the Parking key switch for each floor as an optional feature.



## STANDARD FEATURES

### ◆ Optimum door time

Center opening doors are adopted to make door time (door opening and closing time) significantly shorter than Side opening doors. Irritation with slowly moving doors will be eliminated.

- \* WIDE, MIDI & FIT : 4-panel center opening door
- \* SLIM : 6-panel center opening door



### ◆ Door open hold extension

Door opening time can be extended up to 3 minutes. This function make the aged and wheelchair user to use in relief.

### ◆ User-friendly car operating panel

User-friendly car operating panel is on the one of the side car wall panels . The car position is indicated vividly. This has large-sized buttons to allow everyone to use easily.



### ◆ Handrails : Horizontal type

Handrail is specially designed for the convenience and safety, especially for the aged and wheelchair user.



Photo : MIDI



Photo : WIDE

### ◆ LED Light

Rated life of LED is as 13 times as longer than conventional Fluorescent light. It reduces the trouble of the replacement bulbs.

- \* WIDE & MIDI : 2 LED Lights
- \* SLIM & FIT : 1 LED Light



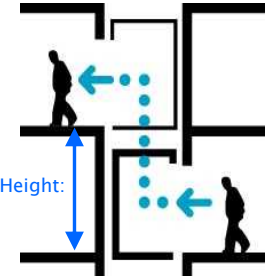
## OPTIONAL FEATURES

### ◆ Front and rear openings

Front and rear openings can be provided as an optional feature to allow users to board the elevator car from the front entrance at a landing and to leave the elevator car from the rear doors at another landing.

This arrangement provides opportunities for flexible house floor plans.

- \* Can not apply to FIT.
- \* When Front & Rear, the MAXIMUM RISE of SLIM is 10 m.



### ◆ Ventilating fan (2 types)

Ventilating fan keep clean the car inside air and you can use elevator with pleasant anytime.

### ◆ Rear car wall panel with Mirror

A mirror can be provided on the rear car wall panel as an option.

Mirror size :

- 250 mm (W) x 1,743 mm (H) for WIDE, MIDI & SLIM
- 500 mm (W) x 900 mm (H) for FIT

- \* Can not equip with the plan of front and rear openings or observation window.



Photo : WIDE

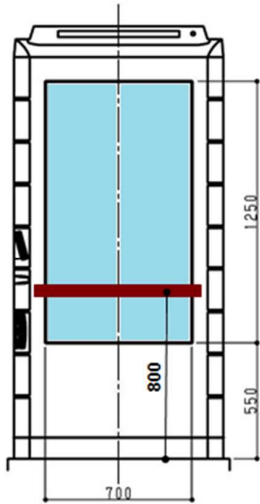


Photo : FIT

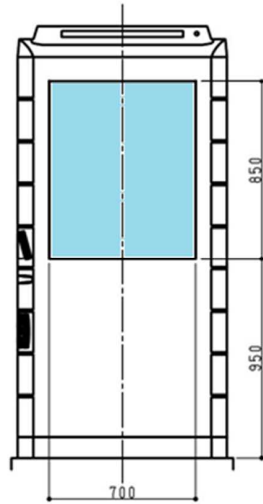
## ◆ Observation Window (for WIDE only)

Observation Window is specially designed for the comfort to see the beautiful garden and for the safety to be seen from the outside.

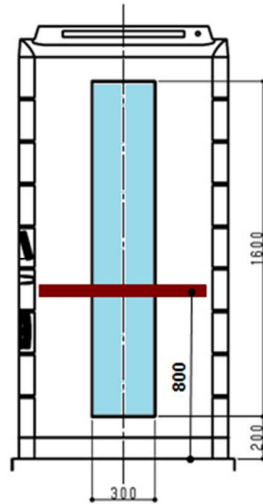
\* Can not equip with the plan of Front and rear openings or Car panel with Mirror.



TYPE 1 (WITH HANDRAIL)  
WINDOW WIDTH : 700 mm  
WINDOW HEIGHT : 1,250 mm



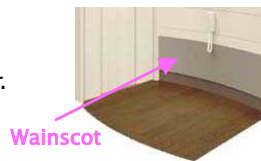
TYPE 2 (WITHOUT HANDRAIL)  
WINDOW WIDTH : 700 mm  
WINDOW HEIGHT : 850 mm



TYPE 3 (WITH HANDRAIL)  
WINDOW WIDTH : 300 mm  
WINDOW HEIGHT : 1,600 mm

## ◆ Wainscot for wheelchair (for WIDE only)

It protects the car panel from the damage of striking with the wheelchair.



## ◆ Handrail : Vertical type (for WIDE only)

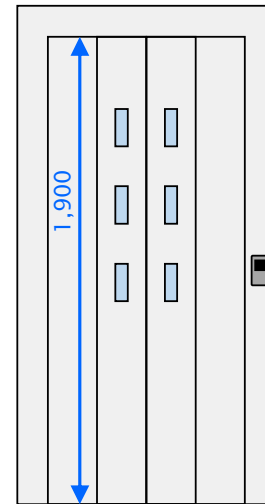
Vertical Handrail is designed for the convenience and safety when take on and off the elevator.



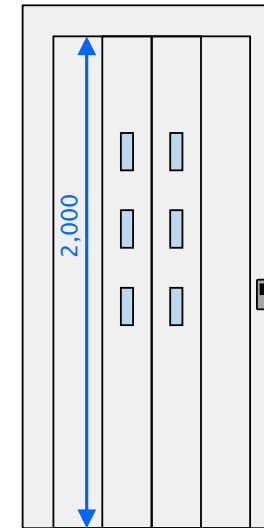
## ◆ High Cab (2 types, for MIDI only)

Higher Ceiling and Higher Entrance gives luxury atmosphere.

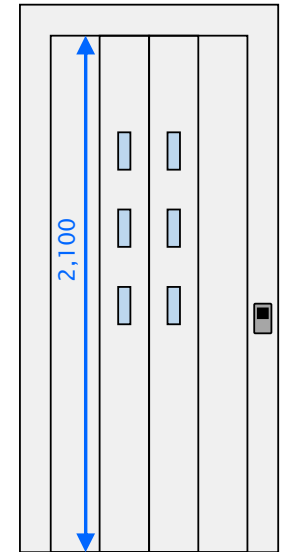
\* Higher Overhead Height is required.



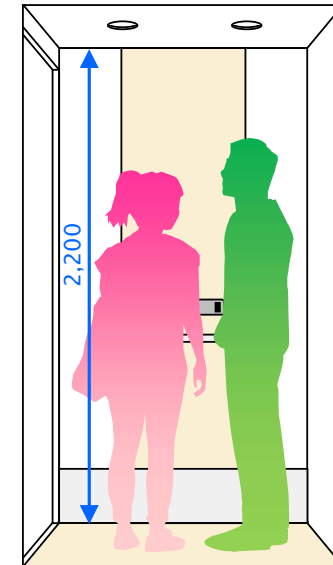
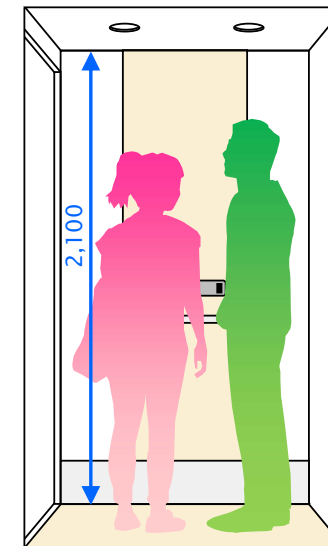
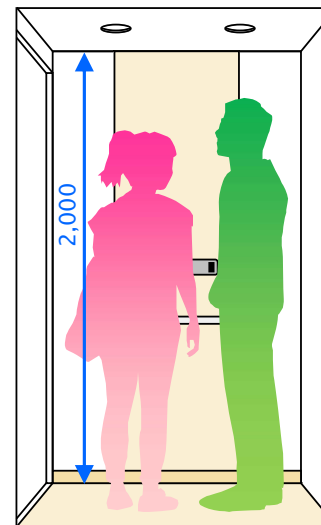
STANDARD  
OPENING HEIGHT : 1,900 mm  
CAR CEILING HEIGHT : 2,000 mm



HIGH CAB TYPE 1  
OPENING HEIGHT : 2,000 mm  
CAB HEIGHT : 2,100 mm



HIGH CAB TYPE 2  
OPENING HEIGHT : 2,100 mm  
CAB HEIGHT : 2,200 mm



**CAR COLOR : WIDE**



Ceiling : White (WH)  
 Side Panel : White (WH)  
 Rear Panel : Fibro White (PF-FH)  
 Floor : Dark Granite (FL-D)  
 Car Door : Fibro White (PF-FH)

Ceiling : White (WH)  
 Side Panel : White (WH)  
 Rear Panel : Fibro White (PF-FH)  
 Floor : Maple (JY)  
 Car Door : Maple (JY)

Ceiling : White (WH)  
 Side Panel : White (WH)  
 Rear Panel : Fibro White (PF-FH)  
 Floor : Walnut (TY)  
 Car Door : Walnut (TY)

**Materials**

- Ceiling : Wood
- Side Panel : Plastic (FRP)
- Rear Panel : Sheet Steel for WIDE20  
Wood for WIDE30
- Floor : Vinyl (Dark Granite)  
Wood (Maple, Walnut)
- Car Door : Sheet Steel

\* Due to the nature of the printing process, colors may vary from the original.

**CAR COLOR : MIDI**



- Ceiling : White (WH)
- Side Panel : Fibro White (PF-FH)
- Accent Panel : Black (AK)
- Rear Panel : Fibro White (PF-FH)
- Floor : Gran White Onyx (AW)
- Car Door : Fibro White (PF-FH)

**Materials**

- Ceiling : Wood
- Side Panel : Wood
- Rear Panel : Wood
- Floor : Wood
- Car Door : Sheet Steel



- Ceiling : White (WH)
- Side Panel : Fibro White (PF-FH)
- Accent Panel : Maple (JY)
- Rear Panel : Fibro White (PF-FH)
- Floor : Maple (JY)
- Car Door : Fibro White (PF-FH)

\* Due to the nature of the printing process, colors may vary from the original.



**CAR COLOR : SLIM**



- Ceiling : White (WH)
- Side Panel : Fibro White (PF-FH)
- Accent Panel : Black (AK)
- Rear Panel : Fibro White (PF-FH)
- Floor : Gran White Onyx (AW)
- Car Door : Fibro White (PF-FH)

**Materials**

- Ceiling : Wood
- Side Panel : Wood
- Rear Panel : Wood
- Floor : Wood
- Car Door : Sheet Steel



- Ceiling : White (WH)
- Side Panel : Fibro White (PF-FH)
- Accent Panel : Maple (JY)
- Rear Panel : Fibro White (PF-FH)
- Floor : Maple (JY)
- Car Door : Fibro White (PF-FH)

\* Due to the nature of the printing process, colors may vary from the original.

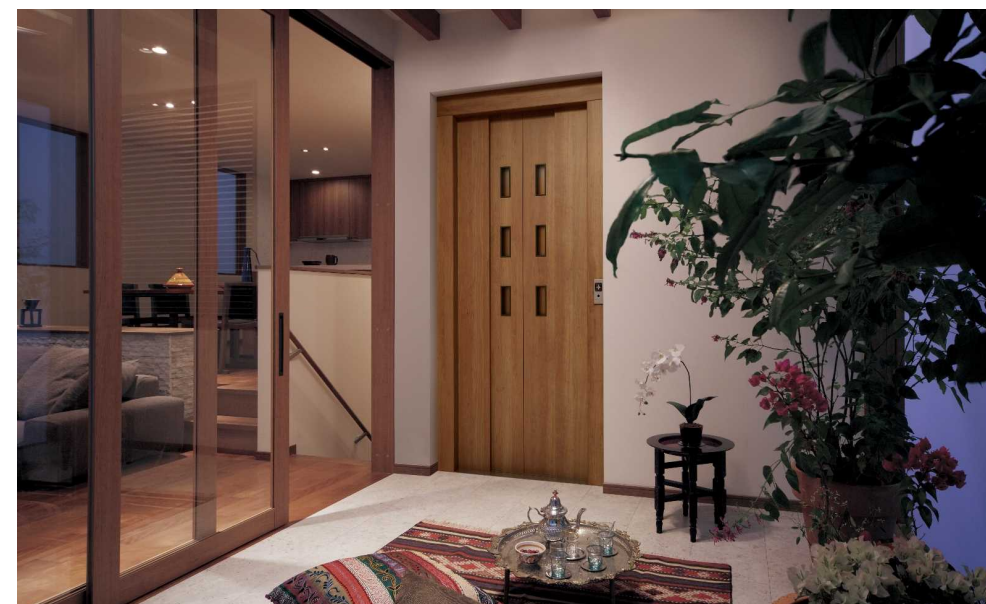
**CAR COLOR : FIT**

**Materials**

- Ceiling : Wood
- Side Panel : Wood
- Rear Panel : Wood
- Floor : Wood
- Car Door : Sheet Steel



- Ceiling : White (WH)
- Side & Rear Panel (Upper Half) : Lily White (LH)
- Side & Rear Panel (Lower Half) : Maple (JY)
- Floor : Maple (JY)
- Car Door : Maple (JY)



\* Due to the nature of the printing process, colors may vary from the original.

**ENTRANCE COLOR**

**WIDE & MIDI**



Walnut  
(TY)



Cherry  
(CY)



Oak  
(EY)



Maple  
(JY)



Fibro White  
(PF-FH)



Sky Gray  
(PF-24)

**Materials**

Entrance Frame : Sheet Steel  
Hatch Door : Sheet Steel

\* For MIDI HIGH CAB,  
only Fibro White (PF-FH) is available.

**SLIM**



Walnut  
(TY)



Cherry  
(CY)



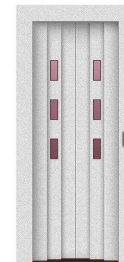
Oak  
(EY)



Maple  
(JY)



Fibro White  
(PF-FH)



Sky Gray  
(PF-24)

**FIT**



Walnut  
(TY)



Cherry  
(CY)



Oak  
(EY)



Maple  
(JY)



Fibro White  
(PF-FH)



Sky Gray  
(PF-24)

\* Due to the nature of the printing process, colors may vary from the original.

## COMMON SPECIFICATION

### Usage

Private home use (Single family use, 50 start per day)

### Drive machine

Drum machine installed inside hoistway

### Control system

Simplex automatic operation

### Maximum number of stops

5 stops

### Maximum rise

WIDE20/ MIDI20/ SLIM/ FIT : 12.0 meters

\* SLIM Front & Rear : 10.0 meters

WIDE30/ MIDI30 : 13.0 meters

### Car speed

WIDE20/ MIDI20/ SLIM/ FIT : 20 m/min. (0.33 m/sec.)

WIDE30/ MIDI30: UP 20 m/min. (0.33 m/sec.)

DOWN 24 m/min. (0.4 m/sec.) China

or

30 m/min. (0.5 m/sec.) Other countries

### Power supply required

For elevator operation : 200~220 V, Single phase

For lighting : 200~220 V, Single phase

## BASIC SPECIFICATION CHART

		WIDE30	MIDI30	WIDE20	MIDI20	SLIM	FIT
Duty Load (No of Passengers)	Front Opening only	320kg*1 (4 passengers)	320kg*3 (4 passengers)	250kg*2 (3 passengers)	250kg (3 passengers)	200kg (3 passengers)	200kg (3 passengers)
	Front & Rear Openings	270kg (4 passengers)	270kg*4 (4 passengers)	200kg (3 passengers)	200kg (3 passengers)	150kg (2 passengers)	-
Car Speed		Up 20m/min. Down 30m/min. (For China, Down 24m/min.)		20m/min.			
Max Rise (No of max stops)		13m (5 stops)		12m (5 stops)		12m*5 (5 stops)	12m (5 stops)
Motor Capacity (kW)		2.8	2.8	2.8	2.6	2.2	2.0
Door Type		4-panel 2-speed Center open				6-panel 3-speed Center open	4-panel 2-speed Center open
Door Opening	Width (mm)	800	800	800	800	680	1000
	Height (mm)	1,900	1900*6	1,900	1900*6	1,900	1,900
Car Inside dimension (Front Opening only)	Width (mm)	850 ~ 1,000	950	850 ~ 1,000	950	730	1200
	Depth (mm)	1,200	1,150	1,200	1,150	950	615
	Height (mm)	2,000	2000*7	2,000	2000*7	2,000	2,000
Car Inside dimension (Front & Rear Openings)	Width (mm)	850 ~ 1,000	950	850 ~ 1,000	950	730	1200
	Depth (mm)	1,250	1,180	1,250	1,180	980	615
	Height (mm)	2,000	2000*7	2,000	2000*7	2,000	2,000

### NOTE

\*1 : When "Observation Window" is applied, duty load is 280kg (4 passengers).

\*2 : When "Observation Window" is applied, duty load is 230kg (3 passengers).

\*3 : When "High Cab" is applied, duty load is 300kg (4 passengers).

\*4 : When "High Cab" is applied, duty load is 250kg (3 passengers).

\*5 : When "Front & Rear Openings" is applied, the maximum rise is 10m.

\*6 : When "High Cab" is applied, door height is 2000mm or 2100mm.

\*7 : When "High Cab" is applied, cab height is 2100mm or 2200mm.

FEATURE	WIDE20	WIDE30	MIDI20	MIDI30	SLIM	FIT
Simplex Automatic Operation	S	S	S	S	S	S
Parking Function by Key Switch *1	S	S	S	S	S	S
Automatic Home Landing	S	S	S	S	S	S
Overloading Prevention	S	S	S	S	S	S
Door Open Hold Extension	S	S	S	S	S	S
Front & Rear Openings *2	O	O	O	O	O *3	-
High Cab	-	-	O *4	O*4	-	-
10mm Running Clearance	-	-	-	-	S	-
15mm Running Clearance	S	S	S	S	-	S
Mechanical Door Safety Device	S	S	S	S	S	S
Light Beam Door Protection System	S	S	S	S	S	S
Leveling Adjustment	S	S	S	S	S	S
Door Failure Rescue Function	S	S	S	S	S	S
Automatic Rescue Operation for Power Failure	S	S	S	S	S	S
Flood Sensor	S	S	S	S	S	S
Earthquake Operation	O	O	O	O	O	O
Additional Parking Key Switch *1	O	O	O	O	O	O
Call Cut Out *5	S	S	S	S	S	S
LED Car Lighting	S	S	S	S	S	S
Automatic ON/OFF of the Light and Fan	S	S	S	S	S	S
Hall Position Indicator	-	O	-	O	-	-
Car Position Indicator	-	-	-	O	-	-

FEATURE	WIDE20	WIDE30	MIDI20	MIDI30	SLIM	FIT
Kick Plate	S	S	S	S	S	S
Sound Car Button	S	S	S	S	S	S
One Touch Call Telephone	S	S	S	S	S	S
Horizontal Handrail	S	S	S	S	S	S
Vertical Handrail	O	O	-	-	-	-
Ventilating Fan (Exhaust Type) *6	O	O	O	O	O	O
Ventilating Fan (Pressure Type) *6	O	O	O	O	O	O
Rear Car Wall Panel with Mirror *7	O	-	O	-	O	O
Observation Window *7	O	O	-	-	-	-
Wainscot for Wheelchair	O	O	-	-	-	-
Transformer	O	O	O	O	O	O

S : Standard Feature, O : Optional Feature, - : Not Available

## NOTE

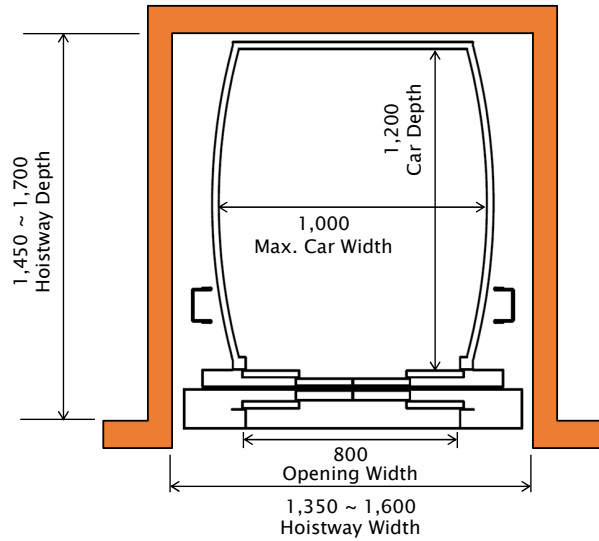
- \*1 : 1 set of Parking Switch is standard, 2 sets and more is option.
- \*2 : When you apply Front & Rear Openings, you cannot apply Rear Car Wall Panel with Mirror and Observation Window.
- \*3 : The maximum rise is 10.0 m.
- \*4 : Higher Overhead height is required.
- \*5 : Set by OTIS service engineer.
- \*6 : You cannot select both Exhaust type & Pressure type, you can select either.
- \*7 : You cannot select both Rear Car Wall Panel with Mirror and Observation Window, you can select either.



**HOISTWAY PLAN : WIDE20/ 30**

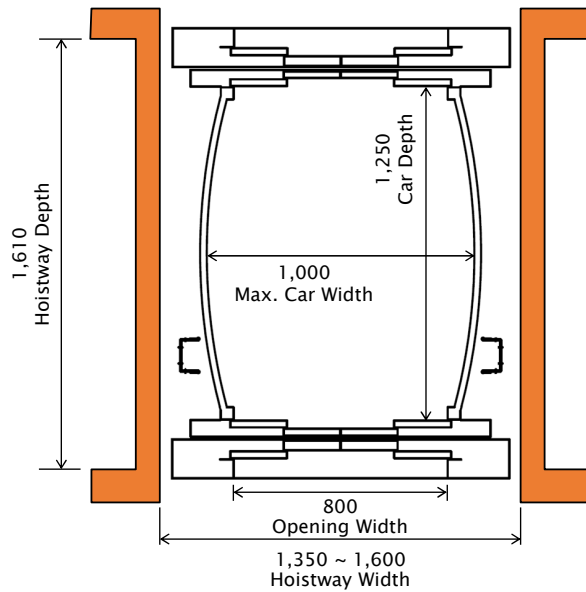
**1. FRONT OPENING ONLY**

(Unit : mm)



**2. FRONT & REAR OPENING**

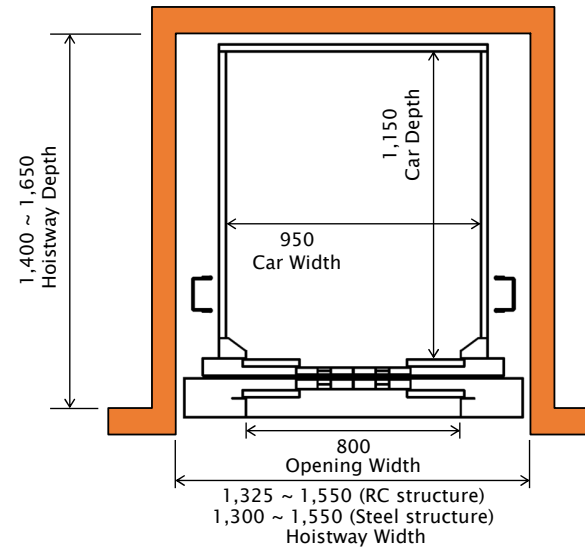
(Unit : mm)



**HOISTWAY PLAN : MIDI20/30**

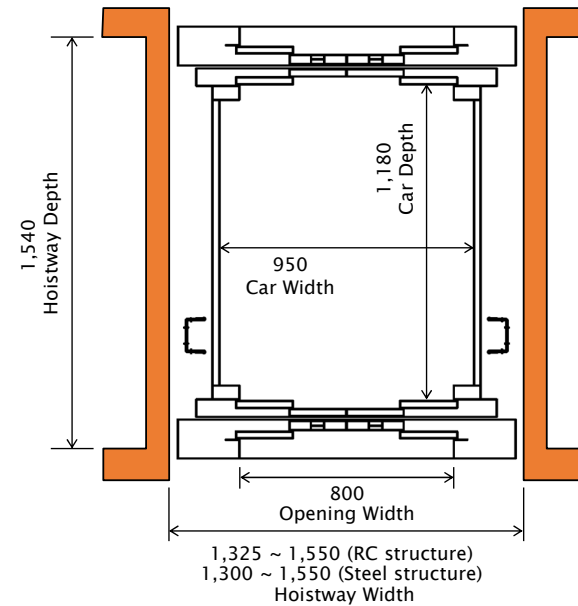
**1. FRONT OPENING ONLY**

(Unit : mm)



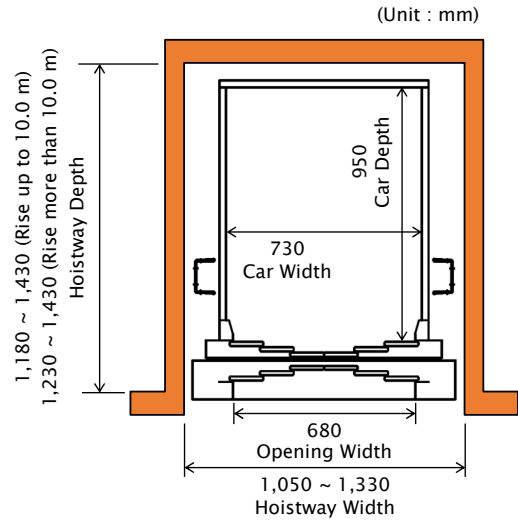
**2. FRONT & REAR OPENING**

(Unit : mm)



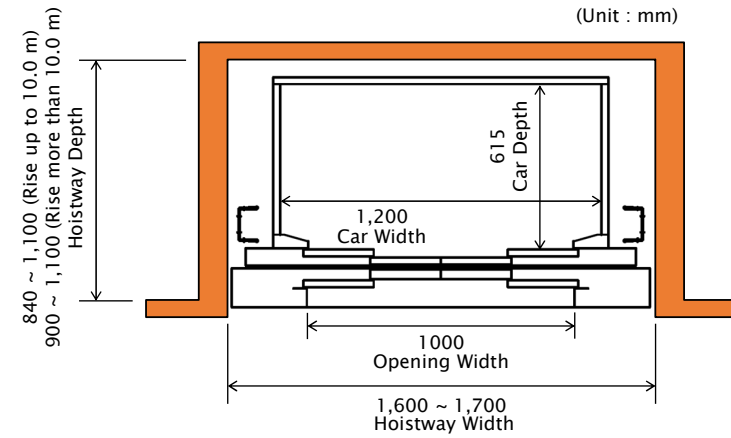
## HOISTWAY PLAN : SLIM

### 1. FRONT OPENING ONLY



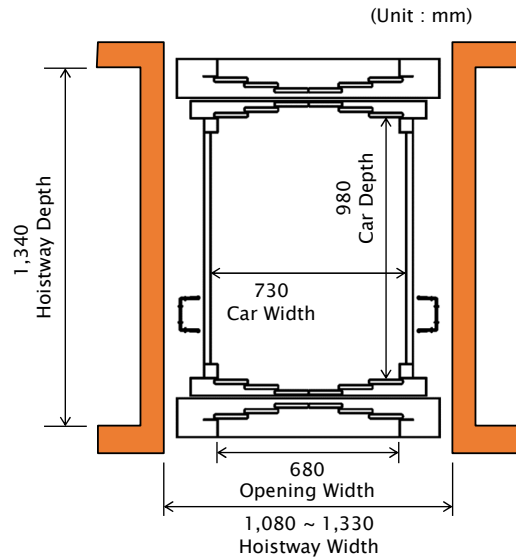
## HOISTWAY PLAN : FIT

\* FRONT & REAR OPENING : NOT AVAILABLE



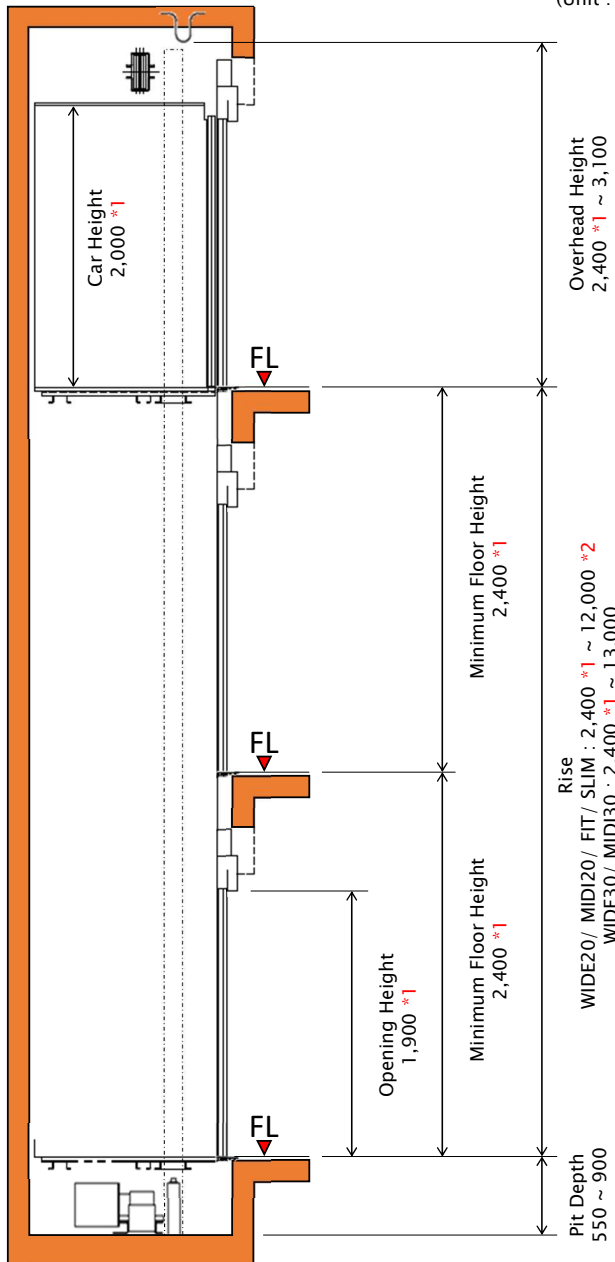
## 2. FRONT & REAR OPENING

\* MAXIMUM RISE : 10,000 mm



ELEVATION : FRONT OPENING ONLY

(Unit : mm)

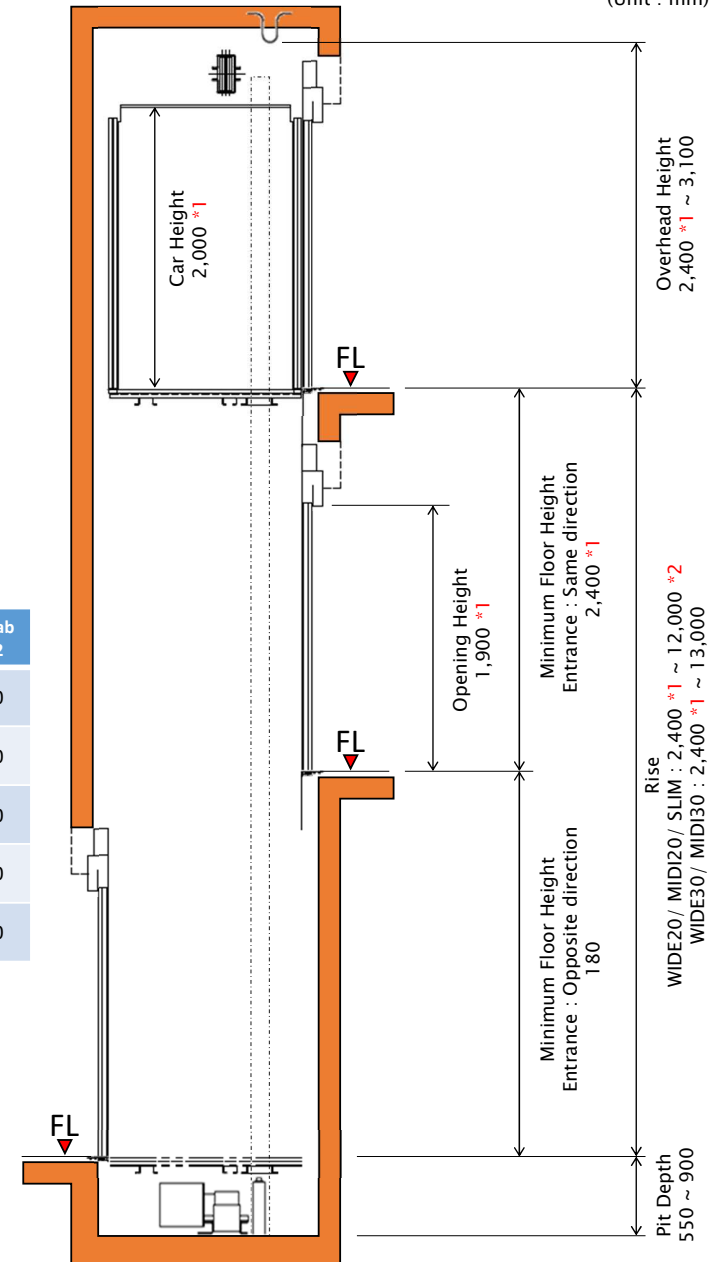


\*1 MID120/ 30 High Cab

	High Cab Type1	High Cab Type2
Opening Height	2,000	2,100
Car Height	2,100	2,200
Minimum Rise	2,500	2,600
Minimum Floor Height	2,500	2,600
Minimum Overhead Height	2,500	2,600

ELEVATION : FRONT & REAR OPENING

(Unit : mm)



\*1 MID120/ 30 High Cab

	High Cab Type1	High Cab Type2
Opening Height	2,000	2,100
Car Height	2,100	2,200
Minimum Rise	2,500	2,600
Minimum Floor Height	2,500	2,600
Minimum Overhead Height	2,500	2,600

\*2 SLIM

Maximum Rise : 10,000

# OTIS

- \* Information & value shown here is when this brochure printed.  
We may change without prior notice for improvement, etc.
- \* For the contents of this brochure, please contact to your OTIS office.