HYUNDAI's Solution for EN81-70:2018

Hyundai's elevators comply with the EN81-70:2018 for persons with disability, thereby ensuring that its elevators are safe, comfortable, and accessible to everyone.

EN81-70:2018 supersedes EN81-70:2003. This document introduces the fundamental requirements of EN81-70:2018 and proposes Hyundai's elevators solutions accordingly. For more detailed information, please contact your local Hyundai sales representatives.
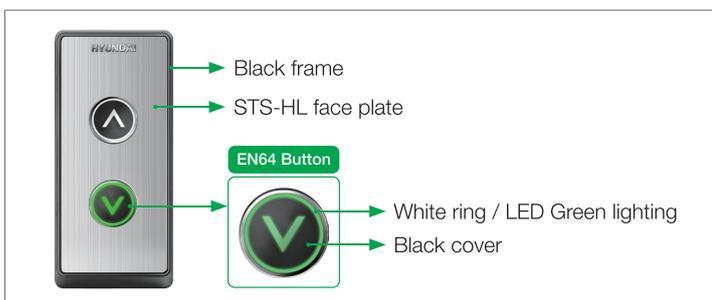
FUNDAMENTAL REQUIREMENTS (EN81-70:2018)

LIGHT REFLECTANCE VALUE (LRV)

LRV shall be no less than 30 between

- The active part of the push buttons and face plate.
- The face plate and its surroundings.
- The symbols on the push button and button plate.

Applicable hall button type

- Korean origin — HPB-B64, HIP-DB64
- Chinese origin — HPB-B64, HIP-DB64, HPB-664, HIP-D664

Black frame
STS-HL face plate
EN64 Button
White ring / LED Green lighting
Black cover

HPB-B64 / HIP-DB64   HPB-664 / HIP-D664

LANDING CONTROL DEVICES AND SIGNALS

Requirements

Max. 2500
Min. 1800
Min. 850
Max. 1100

Min. 850
Max. 1100
Min. 1800
Max. 2500

Dimensions in millimetres

1 Landing button
a preferably 700mm

≥500ᵃ

≤250

1 For Chinese origin, the HLS-770 must be used for audible signal compliance.

2 The indicator arrows and audible signal shall be positioned.
(Height of arrows ≥ 40mm)

Applicable Combination

• **Korean origin**

HPB-B64 + PI-D700 (or other PIs)
HPB-B64/HIP-DB64 + HLS-800

• **Chinese origin**

HPB-B64/HPB-664 + PI-D700 (or other PIs)
+ HLS-770

* HLS-770 is required for audible signal and position indicator(ex. PI-D700) is required for the indicator arrow.


PI-D700

HLS-770

HLS-800

CAR EQUIPMENT

Requirements

Dimensions in millimeters

MIN.400

MIN.30~MAX.60

"Y"

MIN.35

φ 30~45

"X"

"X"

MIN.35

900±25

MIN.850

MAX:1200

MIN.1600~MAX.1800

1 A mirror is required for car types 1, 2, 3

2 The ends of handrails shall be closed.

3 The thickness of decorative finishes on the wall of each car (If applied) shall not exceed 15mm

4 No additional features shall be fitted on car walls below a height of 800mm

5 A voice synthesizer should be installed.

View of "X-X"

2 1

≤45

≥30

≥R10
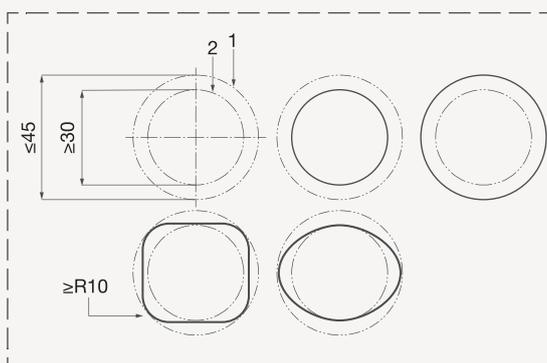
Detail "Y"

Protruded 5mm±1mm
With green ring for
Building exit floor button
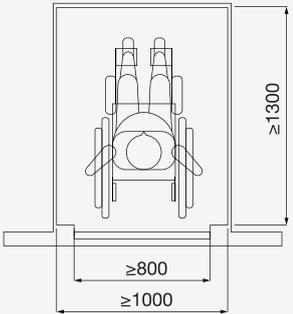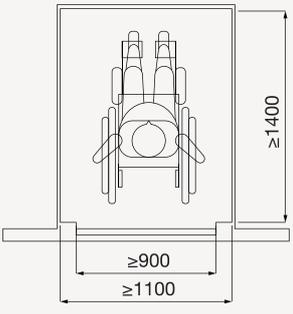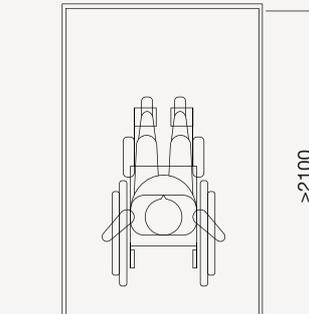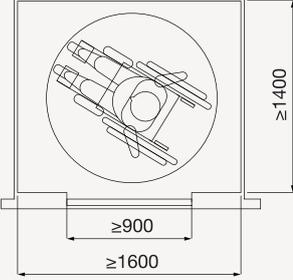
Alarm button :
Yellow, marked with a bell-shaped symbol

MIN.10

MIN.20
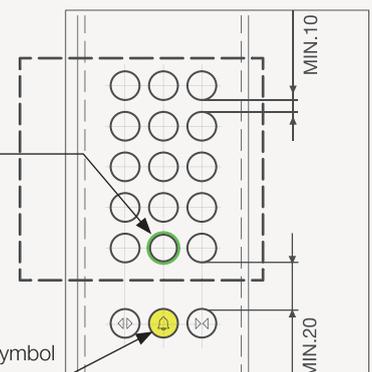
HANDRAIL

Applicable handrails	Korean origin	Chinese origin
	1FB	
	1FG	HR-01W
	1FW	

MINIMUM CAR DIMENSIONS

The height of landing and car doors and the clear height of the car should be at least 2100mm. (Strongly recommended)
The landing and car doors shall be automatic power operated horizontally sliding doors.

≥1300
≥800
≥1000

Type 1 (450kg)

- Existing building
- One wheelchair user only

≥1400
≥900
≥1100

Type 2 (630kg)

- Standard Min. size for new building
- One wheelchair user and and an accompanying person

≥2100
≥900
≥1100

Type 3 (1000kg)

- Recommended size for public areas
- One wheelchair user and some other passengers
- It should also be able to accommodate stretchers.

≥1400
≥900
≥1600

≥1600
≥900
≥1400
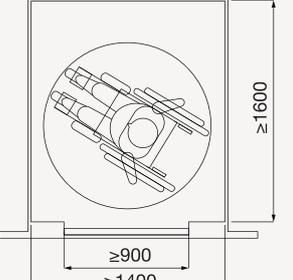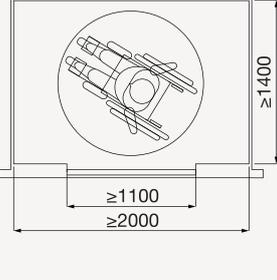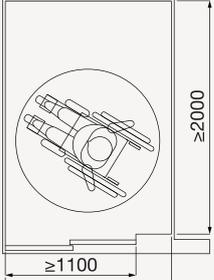
Type 4 (1000kg)

- The Min. size for cars with doors on adjacent walls
- One wheelchair user and a few other passengers
- It allows a wheelchair to be rotated within the car.

≥1400
≥1100
≥2000

≥2000
≥1100
≥1400

Type 5 (1275kg)

- One wheelchair user and several passengers
- It allows a wheelchair to be rotated within the car.

CAR CONTROL DEVICES AND SIGNALS

Applicable Combination

- Korean origin   OPP-D264B
- Chinese origin   OPP-D264T, OPP-L264T
  OPP-D564T, OPP-L564T

Visible signal for the alarm system

Push buttons
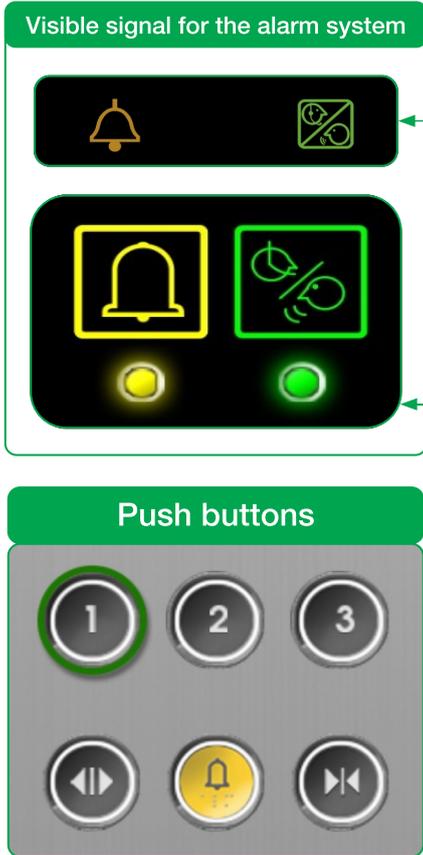
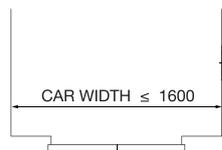OPP-D264B   OPP-D564T/L564T   OPP-D264T/L264T
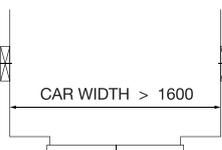
COP Position

- **Center opening**

  Right side when entering the car from the main entrance
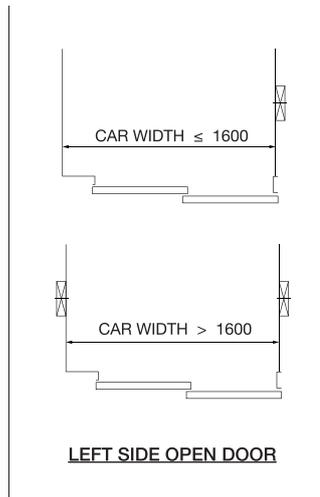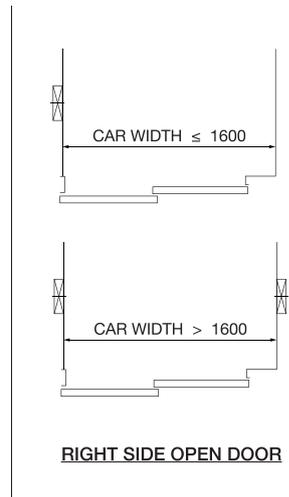
- **Side opening**

  Closing jamb side when entering the car from the main entrance

- When the car width exceeds 1600mm, a car operating panel shall be provided on both side walls of the car.

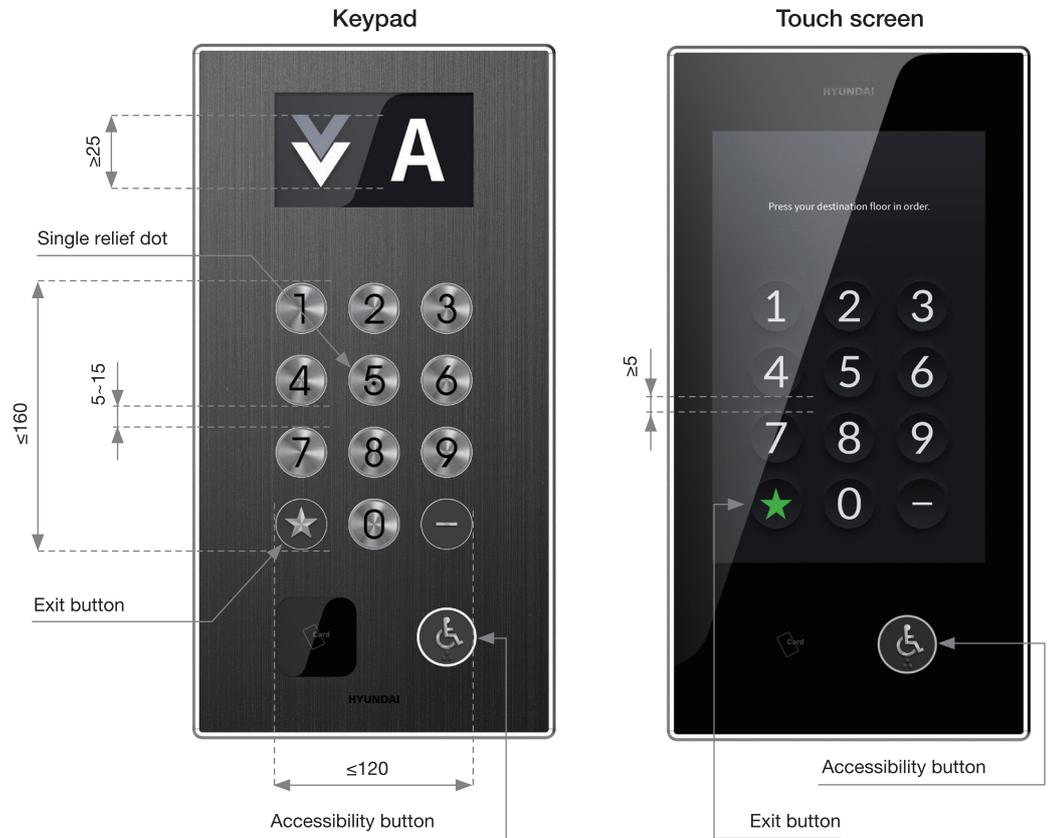CAR WIDTH ≤ 1600   CAR WIDTH ≤ 1600   CAR WIDTH ≤ 1600

CAR WIDTH > 1600   CAR WIDTH > 1600   CAR WIDTH > 1600

CENTER OPEN DOOR   LEFT SIDE OPEN DOOR   RIGHT SIDE OPEN DOOR

DESTINATION CONTROL SYSTEMS

Requirements

Keypad

≥25

Single relief dot

≤160

5~15

Exit button

Card

HYUNDAI

≤120

Accessibility button

Touch screen

Press your destination floor in order.

≥5

Card

Accessibility button

Exit button

Dimensions in millimeters

Applicable control device type

- **Wall mount type**
  HTL-B01(Keypad), HTS-B02(Touch screen)

- **Flush type**
  HTL-A02(Keypad), HTS-A03(Touch screen)

- **Kiosk type**
  HTS-K03(Touch screen)

Wall mount type

BOX

Flush type

Kiosk type

⛰ HYUNDAI ELEVATOR