ISO 9001 Certification | ISO 14001 Certification | OHSAS 18001 Certification | European CE Certification | New Technology Certification

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Notes
1. Product images have been modified to help viewers' understanding. Design and colors depicted may differ from the actual products'.
2. Specifications may differ from those provided in printed materials due to the selection of options or quality improvements.
3.
4. ♻ Please recycle this brochure to protect the environment.

Website | YouTube

C-NEX1E-E01 / Ver1

Publication date: Aug. 2025

Contents

MOBILITY TO POSSIBILITY

HYUNDAI ELEVATOR OPENS UP NEW POSSIBILITIES FOR MOBILITY.

The infinite possibilities offered by Hyundai Elevator are unfolding around the world. Founded in 1984, Hyundai Elevator has been leading the Korean elevator industry as it took the largest share in the Korean market for 18 consecutive years since 2007. Now, Hyundai Elevator will lead the paradigm of vertical e-mobility with its products and services that incorporate hyper-connectivity technologies, as we enter an era of mobility.

MOBILITY TO POSSIBILITY – THIS HAS BEEN OUR JOURNEY SINCE 1984

With four decades of innovation, Hyundai Elevator is moving the world.

1984

ESTABLISHMENT

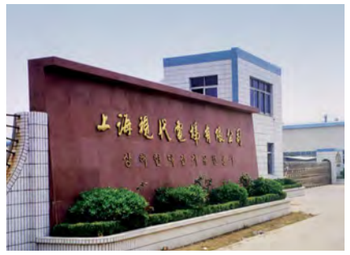
MAY. 1984
Founded Hyundai Elevator Co., Ltd.

MAY. 1985
Completed the Icheon Elevator Factory

SEP. 1986
Completed the Icheon Escalator Factory and Elevator Test Tower

1990s

MOMENTUM



AUG. 1993
Established the Chinese joint venture (Shanghai Hyundai Elevator Co., Ltd.)

SEP. 1993
Established a joint venture in the Philippines (Hyundai Elevator Services Phils., Inc.)

NOV. 1995
Completed the Cheonan Distribution Center

MAR. 1998
Obtained the ISO 9001 and ISO 14001 Certifications for elevators, Auto-Parking Systems for elevators

2000s

GROWTH

JUL. 2001
Became the first Korean company to obtain the CE Mark (European safety standards) for elevators (DNV)

MAR. 2006
Opened a round-the-clock customer center capable of handling customer complaints and serving customers

APR. 2009
Completed the worlds' tallest ultra-high-speed elevator test tower "Hyundai Asan Tower" (205m) and the Chung Mong-hun R&D Center

DEC. 2009
Developed and installed the world's fastest elevators (1,080m/min. Hyundai Asan Tower) & the world's fastest double deck elevators (600m/min. Hyundai Asan Tower)

2010s

GO GLOBAL

MAR. 2013
Opened Hyundai Customer Care Center (HCCC)

JAN. 2014
Established a Vietnam joint venture (Hyundai Thanh Cong Elevator Vietnam Co., Ltd.)

JUN. 2014
Installed Korea's fastest elevators (600m/min, Busan International Finance Center)

FEB. 2015
Installed and operated Korea's first double deck elevators (LG U^{+} office building in Yongsan)

SEP. 2016
Established a joint venture in Türkiye (Hyundai Elevator Asansör ve Servis Sanayi ve Ticaret Anonim Sirketi)

2020s

NEW POSSIBILITY

SEP. 2021
Acquired ISO 37301 certification for compliance management system for the first time in the machinery manufacturing industry

MAR. 2022
Hyundai Elevator headquarters moved to Chungju Smart Campus Expanded business with releasing Open API, robot, AI speaker and smartphone connection platform

JUL. 2022
Announced Vision 2030. Marked KRW 5 trillion in sales, with overseas sales accounting for 50%, entering the global top 5

MAY. 2023
Launched 'MIRI', an advanced maintenance service powered by IoT, AI, cloud, big data, and robotics.

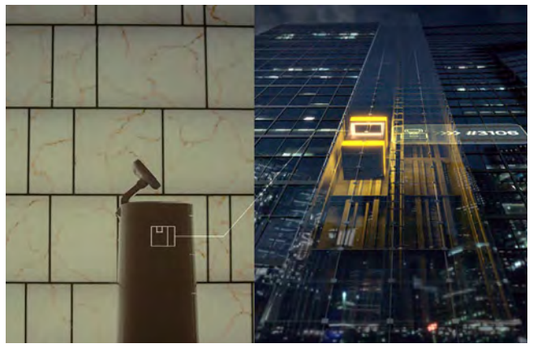
SEP. 2024
Launched K-Escalator, Korea's largest escalator production base

MAY. 2025
Completed the 250m height "Hyundai Asan Tower test tower" (global top 3) and the Chung Mong-hun R&D Center.

HYUNDAI ELEVATOR HAVE BEEN MOVING TOWARD THE WORLD

With cutting-edge smart campuses and the world's most advanced test tower, Hyundai Elevator delivers reliable, safe, and innovative products— shaping the future of vertical mobility.

WORLD-CLASS TECHNOLOGY



Hyundai Elevator introduce cutting-edge technology to guarantee safety and reliability, green technology to consider humans and nature, smart technology combined with Korea's No. 1 IT technology makes it a world-class company.

PRODUCTS

Elevators

Escalators & Moving Walks

Marine Elevators

Parking Systems

GLOBAL NETWORKS

Hyundai Elevator discovers new markets and future competitiveness with its globally leading products and services.

- **KOREA HEADQUARTERS**
- **5 COUNTRIES OVERSEAS CORPORATIONS**
  66 COUNTRIES OVERSEAS AGENCIES
  - Asia (14 countries)
  - Middle East (9 countries)
  - Africa (10 countries)
  - Europe / CIS (19 countries)
  - North / South America (19 countries)

SMART FACTORY

Hyundai Elevator offers outstanding quality and pursues continual innovation at its Smart Campuses in Chungju, Korea and Shanghai, China.

CHUNGJU SMART CAMPUS, KOREA

SHANGHAI SMART CAMPUS, CHINA

CUSTOMER EXPERIENCE

With the world's most advanced test tower, the company introduces only the very best products with proven reliability and safety.

55,000 Units

(Korea Factory 25,000 Units + China Factory 30,000 Units)

Number of elevators Hyundai Elevator can manufacture per year.

BUILDING TRUST WORLDWIDE AS A GREEN MOBILITY COMPANY

Hyundai Elevator is transforming into a globally trusted green mobility leader by embracing ESG values that prioritize the environment, future generations, and society at large.

OUR VISION

ESG VISION 2030

GREEN MOBILITY TRUSTED BY GLOBAL SOCIETY

E	S	G
Response to global climate change and achievement of net zero carbon neutrality	**Implementation of ESG management practices together with local communities and their members**	**Enhanced ESG management practices to become a trusted company**
Integrated environmental management system	Responsible supply chain management	Environmental, Social and Governance Management
Response to climate change	Impact on local communities	Integrated ESG risk management
Eco-friendly technologies and products	Health and safety	Enhancing shareholder value
Management system for virtuous resource cycle	Human capital	Stakeholder communication

OUR ACTION

RENEWABLE COMMITMENT

K-RE100

KOREA'S PLAN FOR USING ONLY ELECTRICITY GENERATED BY RENEWABLE ENERGY

Hyundai Elevator will satisfy RE100 requirements and reduce greenhouse gas emissions by entering into a 3rd party power purchase agreement proposed by Korea Electric Power Corporation.

OUR EVALUATION

CORPORATE RESPONSIBILITY

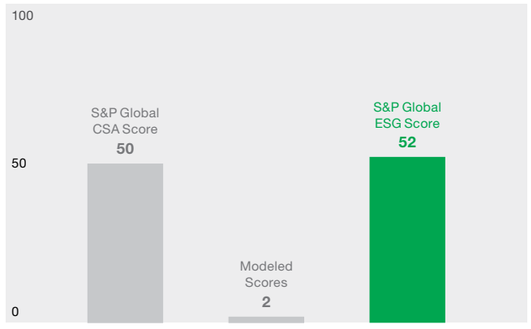
S&P GLOBAL

S&P GLOBAL ESG SCORE

52

DATA AVAILABILITY: VERY HIGH
- Methodology Year: 2024
- Last Updated: October 21, 2024.
- Updated annually or in response to major developments

SCORE COMPOSITION



NOTE * From Methodology Year 2023 onwards, the S&P Global ESG Score includes question-level scores derived from modeling approaches in cases where the company has not publicly disclosed relevant data. Please refer to the official methodology for further details.

PROVIDING INNOVATIVE MOBILITY SOLUTIONS TO GLOBAL LANDMARK BUILDINGS

The passion of becoming the best in the world has led to the success of numerous Hyundai Elevator projects in various regions around the world. Hyundai Elevator's global business prospects are expected to continue to expand thanks to its rich experience and know-how.

DOMESTIC

BUSAN INTERNATIONAL FINANCE CENTER

EL 32 units (incl. Max 10m/sec)
ES 14 units
Total 46 units

LG U+ YONGSAN OFFICE BUILDING

EL 10 units (incl. Double Deck 4m/sec)
ES 2 units
Total 12 units

PARK HYATT BUSAN

EL 11 units (incl. Max 6m/sec)
Total 11 units

SEOUL DRAGON CITY

EL 33 units (incl. Max 4m/sec)
ES 10 units
Total 43 units

GLOBAL

F&F TOWER (PANAMA)

EL 5 units (incl. Max 4m/sec)
Total 5 units

HANOI LANDMARK TOWER (VIETNAM)

EL 29 units (incl. Max 4m/sec)
ES 27 units
Total 56 units

METROPOL ISTANBUL (TÜRKIYE)

EL 93 units (incl. Max 6m/sec)
ES 26 units
Total 119 units

YANGON HOTEL (MYANMAR)

EL 20 units (incl. Max 3m/sec)
Total 20 units

DELIVERING ELEVATOR SOLUTIONS THAT ENHANCE BUILDING VALUE

Hyundai Elevator provides customized solutions with a wide range of products tailored to elevator usage and building design. Its products deliver exceptional ride comfort, safety, and space efficiency, enhancing building value with refined design and convenience.

ULTRA-HIGH SPEED ELEVATORS

THE EL

THE EL is the world's first carbon fiber belt-type elevator that moves at a speed of 1,260 meters per minute. The ultra-high-speed 9-phase synchronous motor, the NVH system* that minimizes noise and vibration and the high-performance braking system provide a comfortable ride and stability worthy of a world-class ultra-high-speed elevator.

* NVH (Noise, Vibration and Harshness) System:
A system that reduces vibration and noise generated by a machine's parts.

THE EL Duo

THE EL Duo is a double-deck elevator, vertically connecting two elevator units via one hoistway and provides services to two floors simultaneously. By applying floor height variable technology, THE EL Duo can be installed in buildings with floors of different heights, such as the lobby or sky lounge, and boasts a rapid speed of 600 meters per minute.

HIGH SPEED ELEVATORS

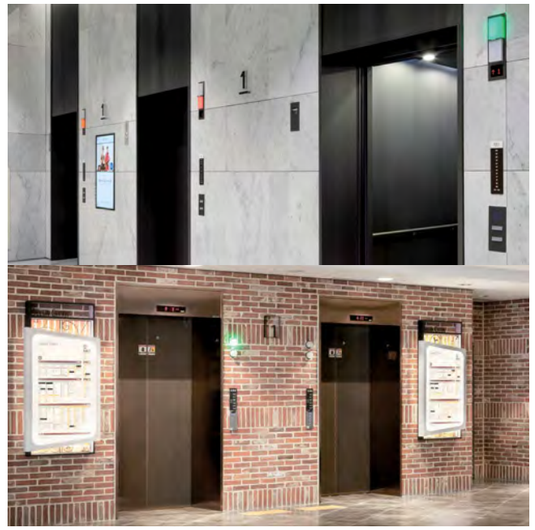
i-XEL

The electro-permanent magnetic traction machine and the high-precision control system developed by Hyundai Elevator provide outstanding ride comfort and stability. i-XEL offers an optimized level of satisfaction with its dramatic energy savings, modern door design and contemporary car interior.

MID-TO-LOW SPEED ELEVATORS

N:EX / N:EX-1

N:EX is the most advanced H-belt-driven elevator with next-generation eco-friendly technologies that enhance silence, operation efficiency and space utilization.



LUXEN / LUXEN-1

LUXEN is our leading eco-friendly mid-to-low speed gearless elevator model equipped with a regenerative inverter that provides a high-level of ride comfort and energy savings.

YZER / YZER-1

YZER is our first elevator model that requires no machine room. It improves space utilization in buildings and alleviates restrictions on hoistway layout and skyline design.

H-BELT IS HYUNDAI ELEVATOR'S PROPRIETARY NEXT-GENERATION ECO-FRIENDLY TECHNOLOGY

The H-BELT Drive System is Hyundai Elevator's innovative, next-generation, eco-friendly technology that utilizes belts instead of the traditional steel wire ropes. The belt has longer life span, saves energy and enhances performance.

H BELT DRIVE SYSTEM

NEXT-GENERATION ELEVATOR TECHNOLOGY, H-BELT

Compared to conventional steel ropes, H-BELT offers higher tensile strength and longer service life.

CROWN DESIGN FOR SAFE & STABLE OPERATION

The belt stays aligned thanks to the precision crown design, enabling smoother rides and enhanced safety.

COMPACT TRACTION MACHINE, EXPANDED INTERIOR SPACE

The traction machine is reduced to just 85% of traditional size, creating more space for passengers and efficient shaft design.

BELT MONITORING & SLIP ROLLER SWITCH SYSTEM

Real-time monitoring of belt tension and wear ensures safe, efficient, and maintenance-friendly operation.

ECO-FRIENDLY, GREEN MOBILITY ELEVATOR

With oil-free H-BELT and minimal maintenance needs, this elevator offers eco-conscious and cost-effective performance.

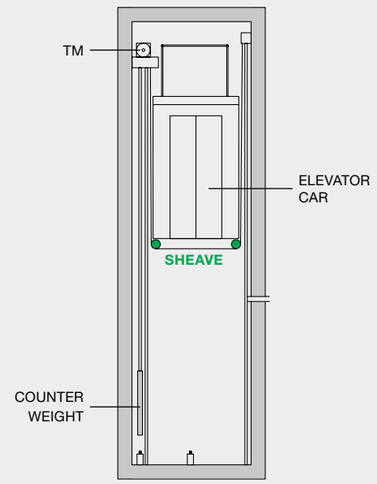
BELT ELEVATOR & MRL SYSTEM	**400 ~ 1,150 kg**	**5 ~ 15 Persons**	**1.75 m/sec**	**2 ~ 26 F**

A VERSATILE ELEVATOR SOLUTION FOR EVERY BUILDING CONDITION

Hyundai Elevator offers optimal solutions for various building structures by providing two types of belt-driven elevator configurations: Underslung and Overslung systems. These systems enable flexible installation even in complex or space-constrained buildings.

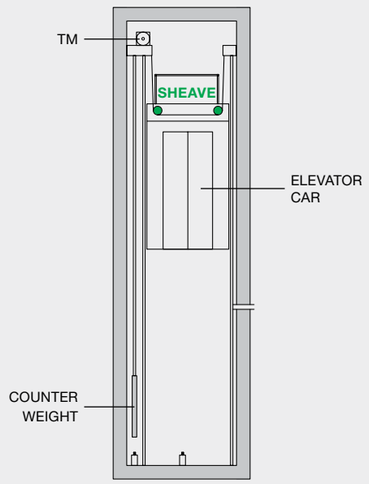
UNDERSLUNG SYSTEM

Optimized for compact shafts, enabling efficient space utilization in limited hoistway conditions.



OVERSLUNG SYSTEM

Designed for high-speed travel, delivering enhanced ride comfort and superior stability.



ALL-NEW N:EX-1 CAR DESIGN FOR EUROPE

N:EX-1 combines elegant design with eco-friendly technology. Available in a range of colors and materials, it offers a visually appealing and energy-efficient solution.

STYLE

STYLE 1

STYLE 2

STYLE 3

ESSENCE

ESSENCE 1

ESSENCE 2

ESSENCE 3

PREMIUM

PREMIUM 1

PREMIUM 2

PREMIUM 3

PREMIUM 4

STYLE 1

FRONT VIEW

Texture Details

SUS Hairline

CAR DESIGN

REAR VIEW

ENTRANCE

JP120 Type

JAMB	SUS Hairline
DOOR	SUS Hairline
INDICATOR	PI-S700
HALL BUTTON	HPB-J64

* This image is provided for reference only. Please consult with our sales representative to determine the most suitable door type for your site conditions.

Specification

CEILING	CD-S14C / Painted Steel (P040) LED Down Lighting (Square)
WALL	SUS Hairline
DOOR	SUS Hairline
MIRRORS	None
HANDRAILS	HR-01WA
OPB	OPB-SA64A / SUS Hairline
FLOOR	Decotile H01
KICK PLATE	SUS Hairline

NOTE
* Product and design images are designed to help customers understand, and there may be color differences from the actual product.
* Ceiling and wall divisions may vary according to passenger capacity.
* The pattern's placement may vary according to passenger capacity.
* An emergency elevator is equipped with a ladder hatch.
* Ceiling escape hatches are fabricated only for firefighting and rescue purposes.

* The car indicator application is possible for CH 2400 or higher. Please NOTE that the standard CH size is 2300.
* Selecting a rear mirror ensures compliance with EN 81-70.

STYLE 2

FRONT VIEW

Texture Details

SUS Hairline

CAR DESIGN

REAR VIEW

Specification

CEILING	CD-S14D / Painted Steel (P040) LED Down Lighting (Round)
WALL	SUS Hairline
DOOR	SUS Hairline
MIRRORS	Full Height / Aluminum Frame
HANDRAILS	HR-01WA
OPB	OPB-SA64A / SUS Hairline
FLOOR	Decotile H03
KICK PLATE	SUS Hairline

NOTE
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* The pattern's placement may vary according to passenger capacity.
* An emergency elevator is equipped with a ladder hatch.
* Ceiling escape hatches are fabricated only for firefighting and rescue purposes.

ENTRANCE

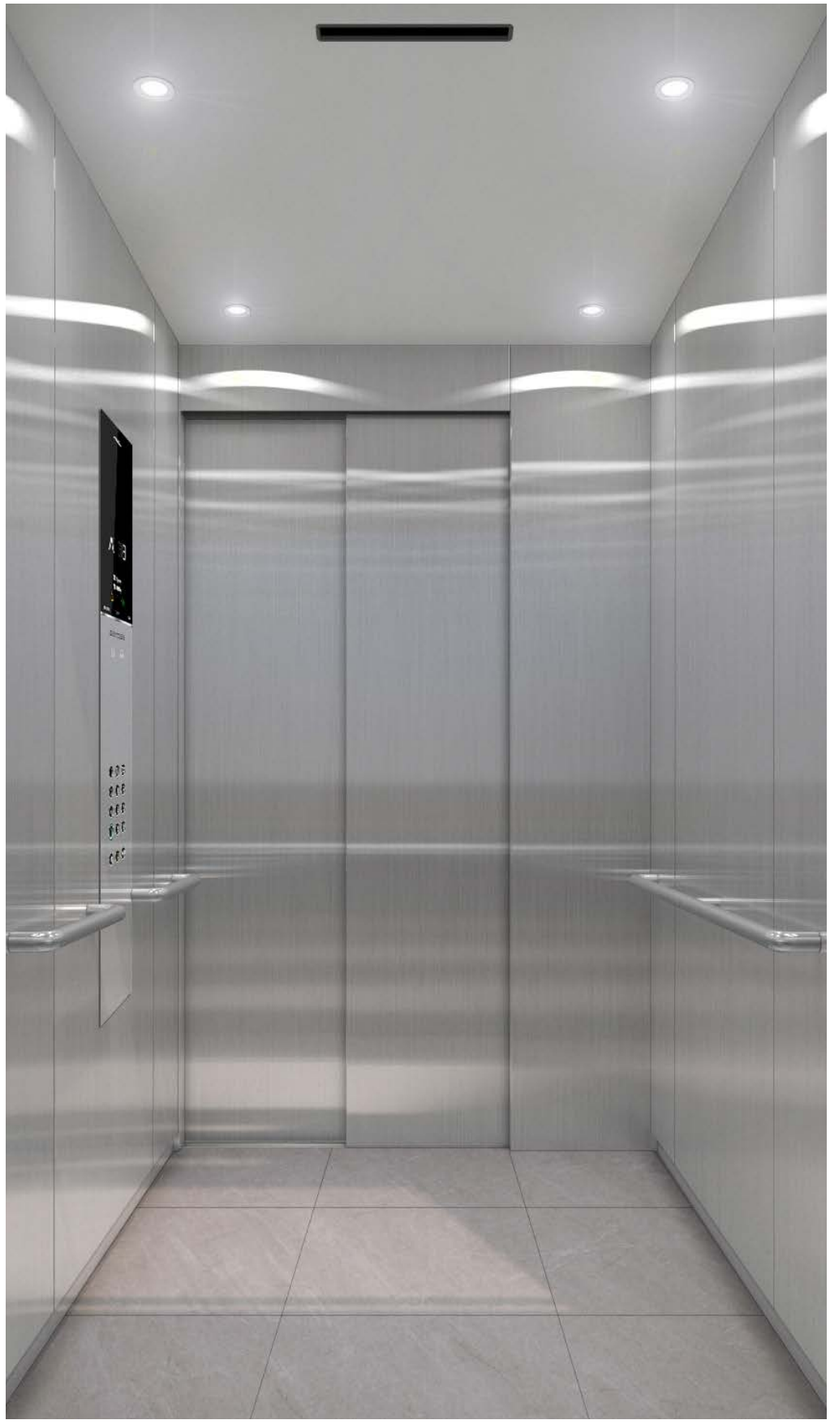
JP120 Type

JAMB	SUS Hairline
DOOR	SUS Hairline
INDICATOR	PI-S700
HALL BUTTON	HPB-J64

* This image is provided for reference only. Please consult with our sales representative to determine the most suitable door type for your site conditions.

* The car indicator application is possible for CH 2400 or higher. Please NOTE that the standard CH size is 2300.
* Selecting a rear mirror ensures compliance with EN 81-70.

STYLE 3



FRONT VIEW

Texture Details

SUS Hairline

CAR DESIGN

REAR VIEW

Specification

CEILING	CD-S14D / Painted Steel (P040) LED Down Lighting (Round)
WALL	SUS Hairline, Glass
DOOR	SUS Hairline
MIRRORS	None
HANDRAILS	HR-01WA
OPB	OPB-SA64A / SUS Hairline
FLOOR	Decotile H11
KICK PLATE	SUS Hairline

NOTE * Product and design images are designed to help customers understand, and there may be color differences from the actual product.
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* The pattern's placement may vary according to passenger capacity.
* An emergency elevator is equipped with a ladder hatch.
* Ceiling escape hatches are fabricated only for firefighting and rescue purposes.

ENTRANCE

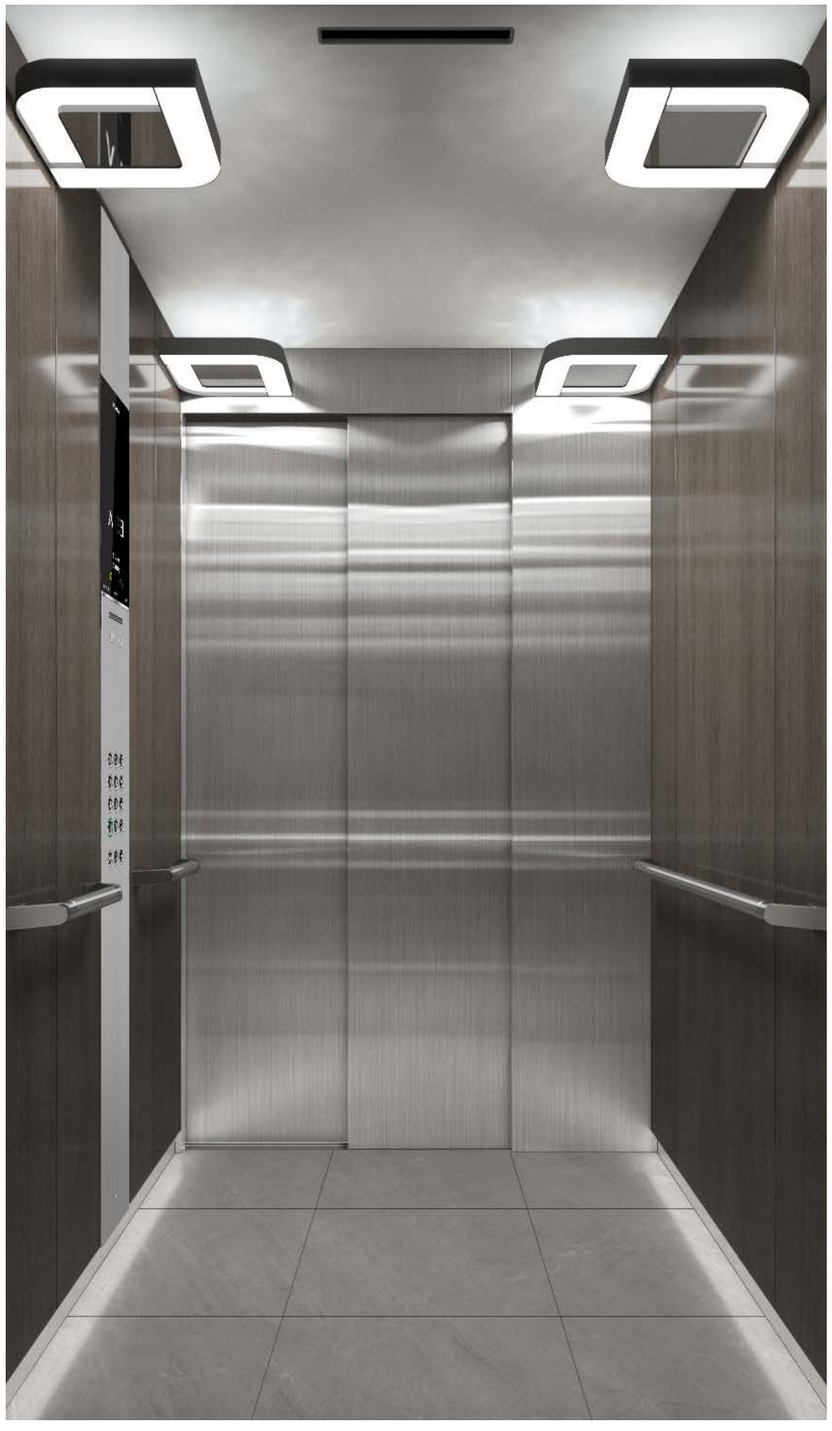
JP120 Type

JAMB	SUS Hairline
DOOR	SUS Hairline
INDICATOR	PI-S700
HALL BUTTON	HPB-J64

* This image is provided for reference only. Please consult with our sales representative to determine the most suitable door type for your site conditions.

* The car indicator application is possible for CH 2400 or higher. Please NOTE that the standard CH size is 2300.
* Selecting a rear mirror ensures compliance with EN 81-70.

ESSENCE 1



FRONT VIEW

Texture Details

SW05 (VCM)

SUS Hairline

CAR DESIGN

REAR VIEW

Specification

CEILING	LD-C42B / Painted Steel (P040) Milky Acrylic+ABS+LED+Ti-Bronze SUSMIR
WALL	SUS Hairline, SW05 (VCM)
DOOR	SUS Hairline
MIRRORS	None
HANDRAILS	HR1NSS0
OPB	OPB-SA64B / SUS Hairline
FLOOR	Decotile H11
KICK PLATE	SUS Hairline, Ambient lighting

NOTE
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* Ceiling and wall divisions may vary according to passenger capacity.
* The pattern's placement may vary according to passenger capacity.
* An emergency elevator is equipped with a ladder hatch.
* Ceiling escape hatches are fabricated only for firefighting and rescue purposes.

ENTRANCE

JP120 Type

JAMB	SUS Hairline
DOOR	SUS Hairline
INDICATOR	PI-SC
HALL BUTTON	HPB-K64 / SUS Hairline

* This image is provided for reference only. Please consult with our sales representative to determine the most suitable door type for your site conditions.

* The car indicator application is possible for CH 2400 or higher. Please NOTE that the standard CH size is 2300.
* Selecting a rear mirror ensures compliance with EN 81-70.

ESSENCE 2

FRONT VIEW

Texture Details

SC-03B (Black)

CAR DESIGN

REAR VIEW

Specification

CEILING	LD-B11A / Painted Steel (P040) PC Acrylic+AL+LED, Ti-Bronze SUSHL
WALL	SC-03B (Color Black SUSHL)
DOOR	SC-03B (Color Black SUSHL)
MIRRORS	Full Height / Aluminum Frame
HANDRAILS	HR1NSS0
OPB	OPB-SA64B / SC-03B (Color Black SUSHL)
FLOOR	Decotile H01
KICK PLATE	SUS Hairline, Ambient lighting

NOTE
* Product and design images are designed to help customers understand, and there may be color differences from the actual product.
* Ceiling and wall divisions may vary according to passenger capacity.
* The pattern's placement may vary according to passenger capacity.
* An emergency elevator is equipped with a ladder hatch.
* Ceiling escape hatches are fabricated only for firefighting and rescue purposes.

ENTRANCE

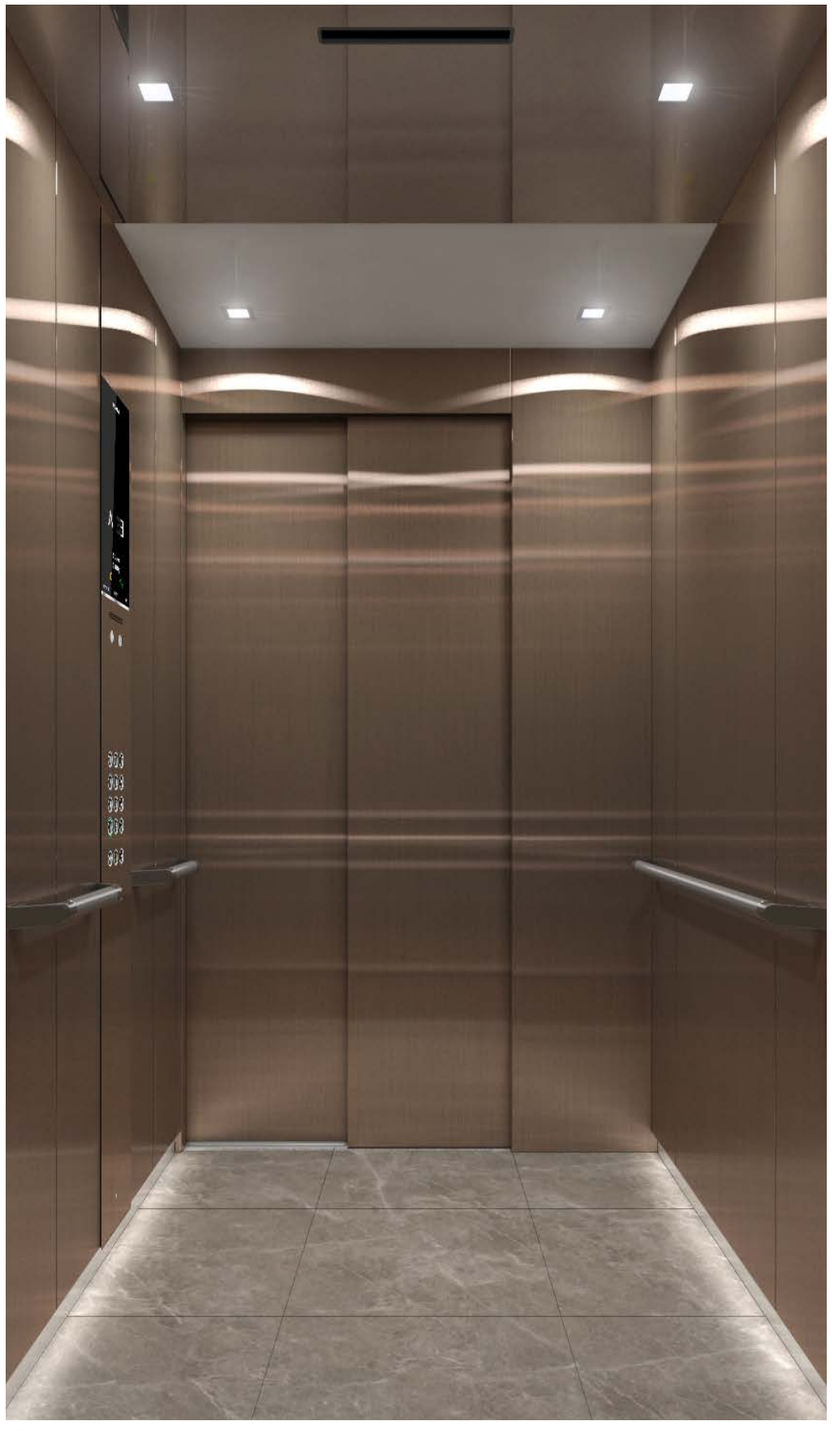
JP120 Type

JAMB	SC-03B (Color Black SUSHL)
DOOR	SC-03B (Color Black SUSHL)
INDICATOR	PI-SC
HALL BUTTON	HPB-K64 / SC-03B

* This image is provided for reference only. Please consult with our sales representative to determine the most suitable door type for your site conditions.

* The car indicator application is possible for CH 2400 or higher. Please NOTE that the standard CH size is 2300.
* Selecting a rear mirror ensures compliance with EN 81-70.

ESSENCE 3

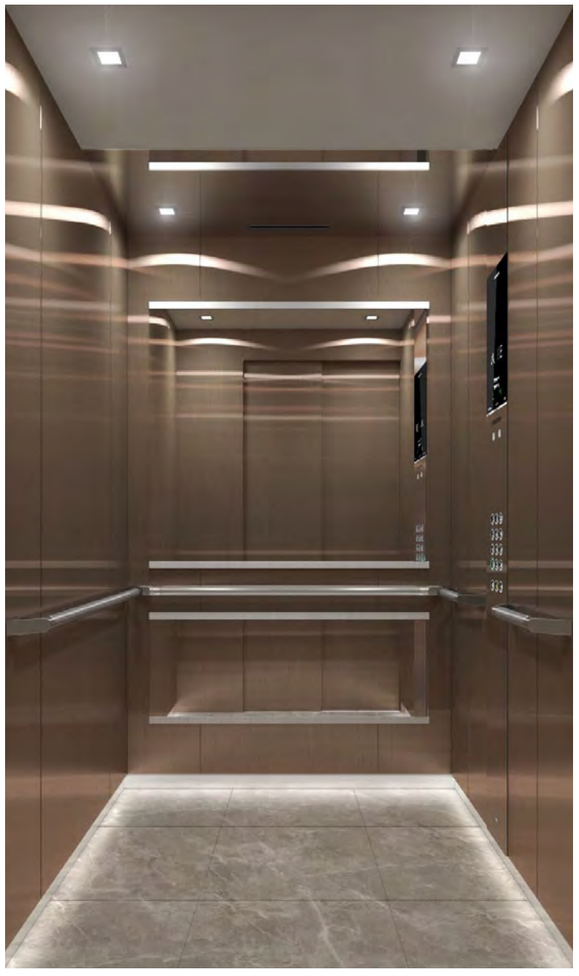


FRONT VIEW

Texture Details

SC-04N (Brown Bronze)

CAR DESIGN



REAR VIEW

Specification

CEILING	CD-S54B / Painted Steel (P040) +Mirror LED Down Lighting (Square)
WALL	SC-04N (Color Brown Bronze SUSHL)
DOOR	SC-04N (Color Brown Bronze SUSHL)
MIRRORS	Full Height / Aluminum Frame
HANDRAILS	HR1NSS0
OPB	OPB-SA64B / SC-04N (Color Brown Bronze SUSHL)
FLOOR	Decotile H09
KICK PLATE	SUS Hairline, Ambient lighting

NOTE
* Product and design images are designed to help customers understand, and there may be color differences from the actual product.
* Ceiling and wall divisions may vary according to passenger capacity.
* The pattern's placement may vary according to passenger capacity.
* An emergency elevator is equipped with a ladder hatch.
* Ceiling escape hatches are fabricated only for firefighting and rescue purposes.

ENTRANCE

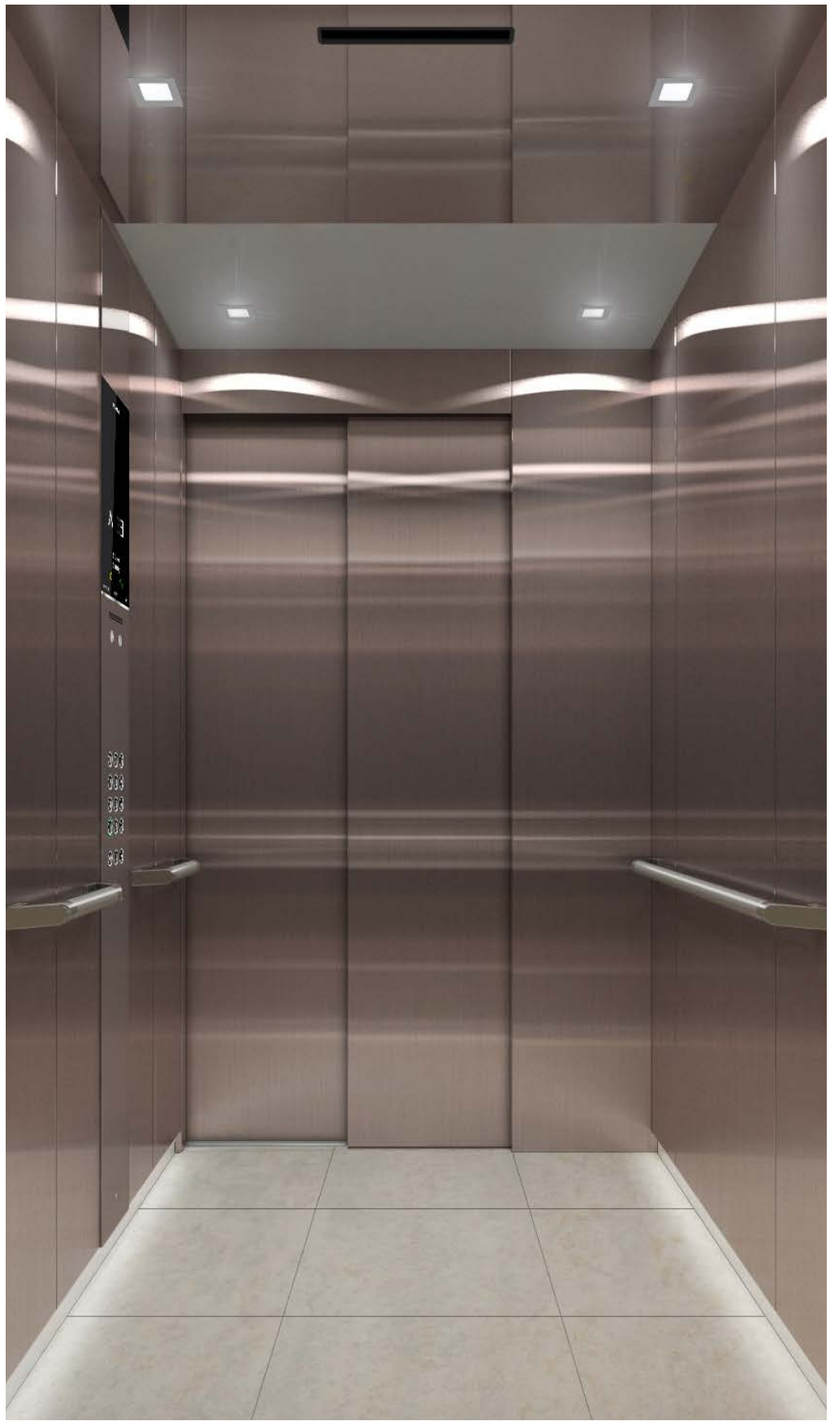
JP120 Type

JAMB	SC-04N (Color Brown Bronze SUSHL)
DOOR	SC-04N (Color Brown Bronze SUSHL)
INDICATOR	PI-SC
HALL BUTTON	HPB-K64 / SC-04N

* This image is provided for reference only. Please consult with our sales representative to determine the most suitable door type for your site conditions.

* The car indicator application is possible for CH 2400 or higher. Please NOTE that the standard CH size is 2300.
* Selecting a rear mirror ensures compliance with EN 81-70.

PREMIUM 1



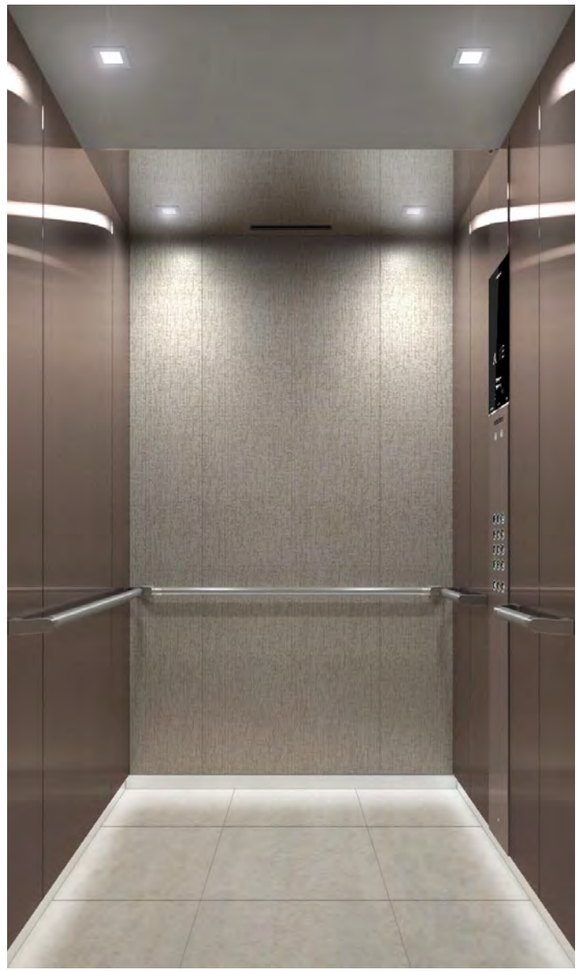
FRONT VIEW

Texture Details

SW11 (VCM)

Ti-Bronze SUSHL

CAR DESIGN



REAR VIEW

Specification

CEILING	CD-S54B / Painted Steel (P040) +Mirror LED Down Lighting (Square)
WALL	Ti-Bronze SUSHL, SW11 (VCM)
DOOR	Ti-Bronze SUSHL
MIRRORS	None
HANDRAILS	HR1NSS0
OPB	OPB-SA64B / Ti-Bronze SUSHL
FLOOR	Decotile H07
KICK PLATE	SUS Hairline, Ambient lighting

NOTE
* Product and design images are designed to help customers understand, and there may be color differences from the actual product.
* Ceiling and wall divisions may vary according to passenger capacity.
* The pattern's placement may vary according to passenger capacity.
* An emergency elevator is equipped with a ladder hatch.
* Ceiling escape hatches are fabricated only for firefighting and rescue purposes.

ENTRANCE

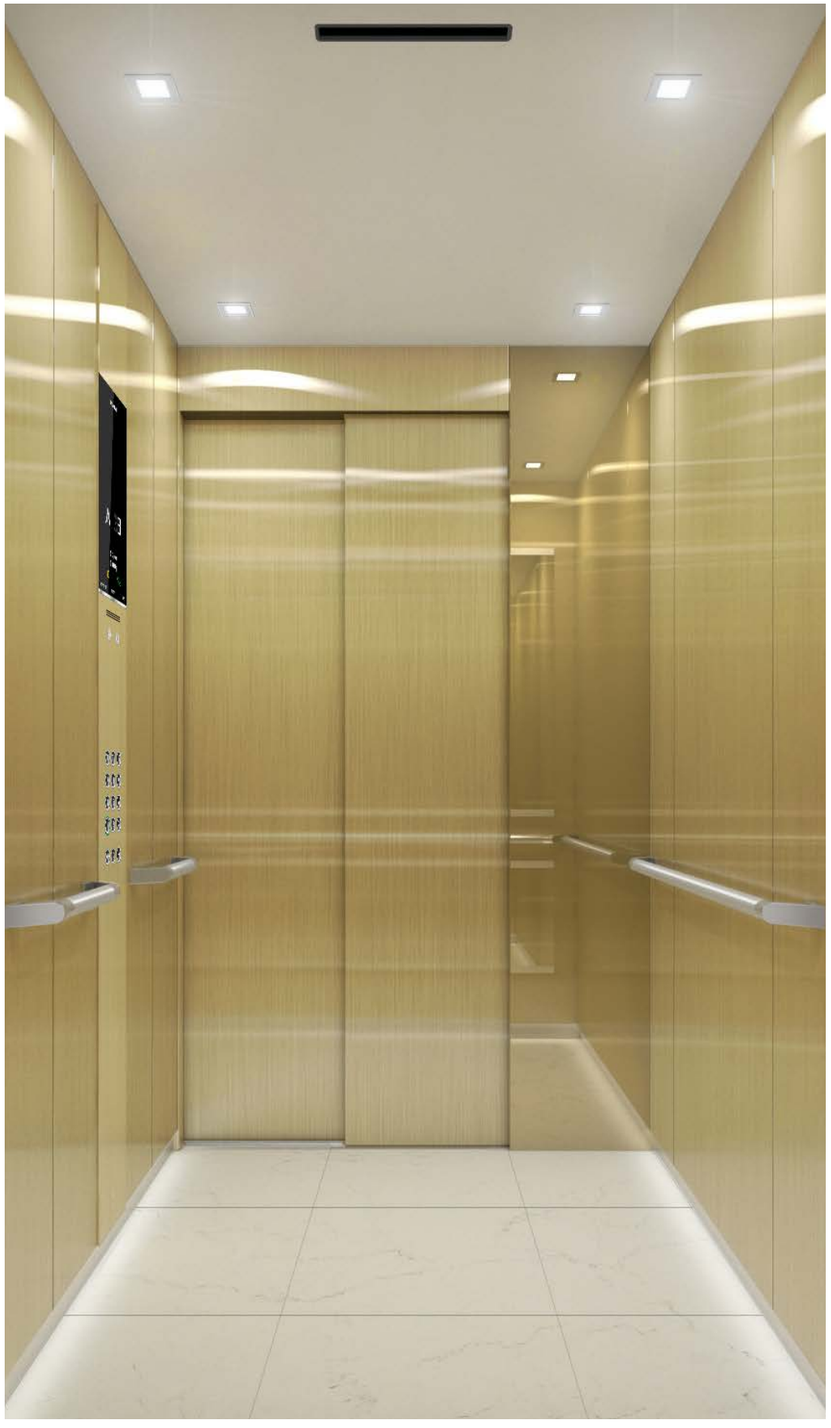
JP120 Type

JAMB	Ti-Bronze SUSHL
DOOR	Ti-Bronze SUSHL
INDICATOR	PI-SM0B
HALL BUTTON	HPB-MEN64B

* This image is provided for reference only. Please consult with our sales representative to determine the most suitable door type for your site conditions.

* The car indicator application is possible for CH 2400 or higher. Please NOTE that the standard CH size is 2300.
* Selecting a rear mirror ensures compliance with EN 81-70.

PREMIUM 2



FRONT VIEW

Texture Details

Ti-Gold SUSHL

CAR DESIGN

REAR VIEW

Specification

CEILING	CD-S14C / Painted Steel (P040) LED Down Lighting (Square)
WALL	Ti-Gold SUSHL, Ti-Gold SUSMIR
DOOR	Ti-Gold SUSHL
MIRRORS	Full Height / Aluminum Frame
HANDRAILS	HR1NSS0
OPB	OPB-SA64B / Ti-Gold SUSHL
FLOOR	Decotile H01
KICK PLATE	SUS Hairline, Ambient lighting

NOTE
* Product and design images are designed to help customers understand, and there may be color differences from the actual product.
* Ceiling and wall divisions may vary according to passenger capacity.
* The pattern's placement may vary according to passenger capacity.
* An emergency elevator is equipped with a ladder hatch.
* Ceiling escape hatches are fabricated only for firefighting and rescue purposes.

ENTRANCE

JP120 Type

JAMB	Ti-Gold SUSHL
DOOR	Ti-Gold SUSHL
INDICATOR	PI-SM0B
HALL BUTTON	HPB-MEN64B

* This image is provided for reference only. Please consult with our sales representative to determine the most suitable door type for your site conditions.

* The car indicator application is possible for CH 2400 or higher. Please NOTE that the standard CH size is 2300.
* Selecting a rear mirror ensures compliance with EN 81-70.

PREMIUM 3

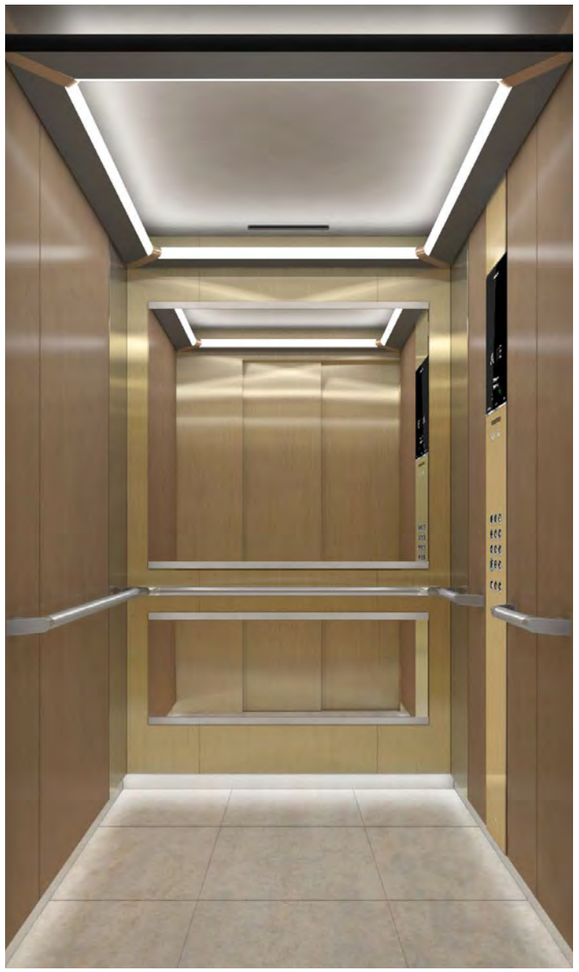
FRONT VIEW

Texture Details

SW01 (VCM)

Ti-Gold SUSHL

CAR DESIGN



REAR VIEW

Specification

CEILING	LD-B11A / Painted Steel (P040) PC Acrylic+AL+LED, Ti-Bronze SUSHL
WALL	Ti-Gold SUSHL, Ti-Gold SUSMIR, SW01 (VCM)
DOOR	Ti-Gold SUSHL
MIRRORS	Full Height / Aluminum Frame
HANDRAILS	HR1NSS0
OPB	OPB-SA64B / Ti-Gold SUSHL
FLOOR	Decotile H07
KICK PLATE	SUS Hairline, Ambient lighting

NOTE
* Product and design images are designed to help customers understand, and there may be color differences from the actual product.
* Ceiling and wall divisions may vary according to passenger capacity.
* The pattern's placement may vary according to passenger capacity.
* An emergency elevator is equipped with a ladder hatch.
* Ceiling escape hatches are fabricated only for firefighting and rescue purposes.

ENTRANCE

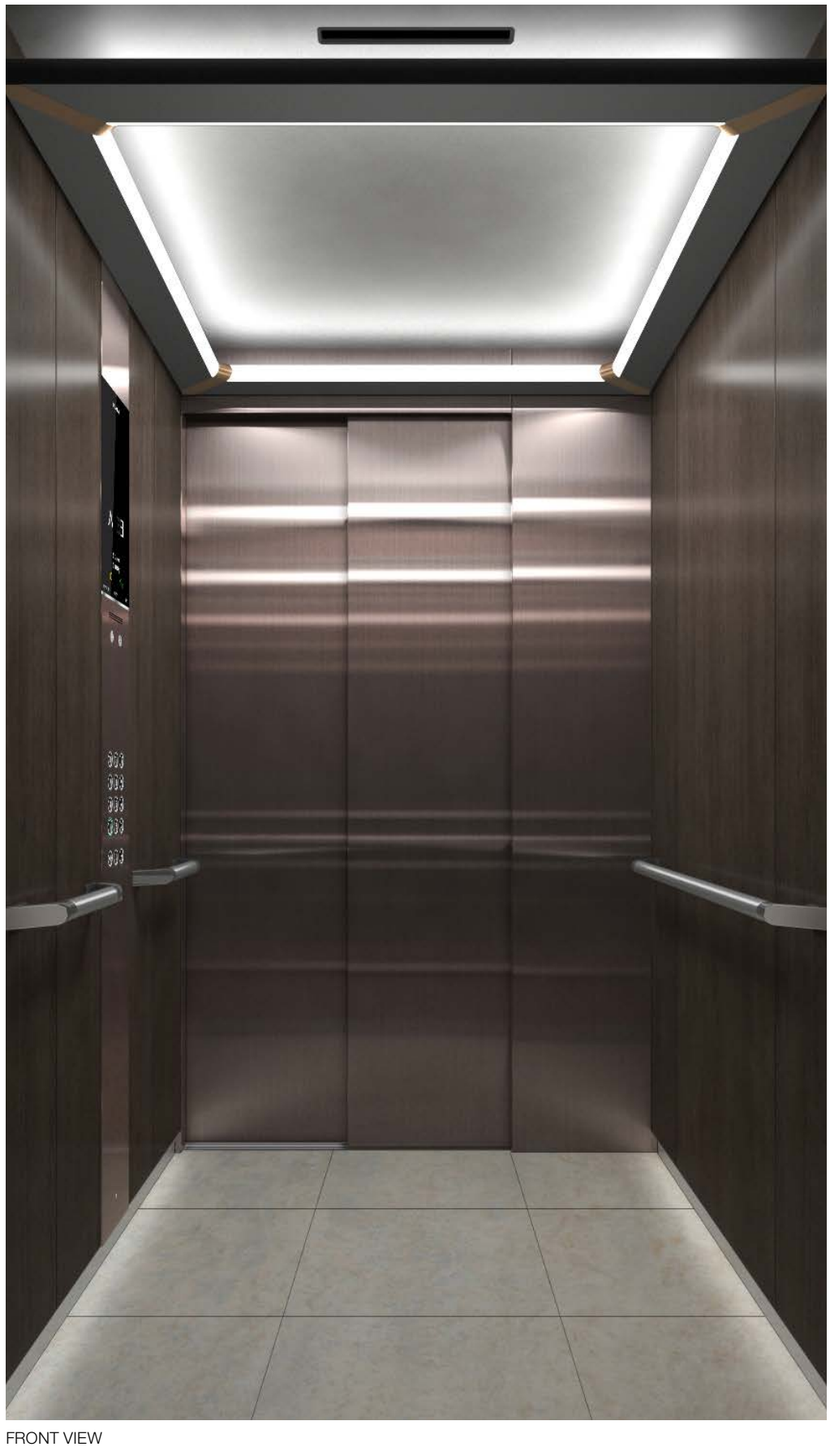
JP120 Type

JAMB	Ti-Gold SUSHL
DOOR	Ti-Gold SUSHL
INDICATOR	PI-SM0B
HALL BUTTON	HPB-MEN64B

* This image is provided for reference only. Please consult with our sales representative to determine the most suitable door type for your site conditions.

* The car indicator application is possible for CH 2400 or higher. Please NOTE that the standard CH size is 2300.
* Selecting a rear mirror ensures compliance with EN 81-70.

PREMIUM 4



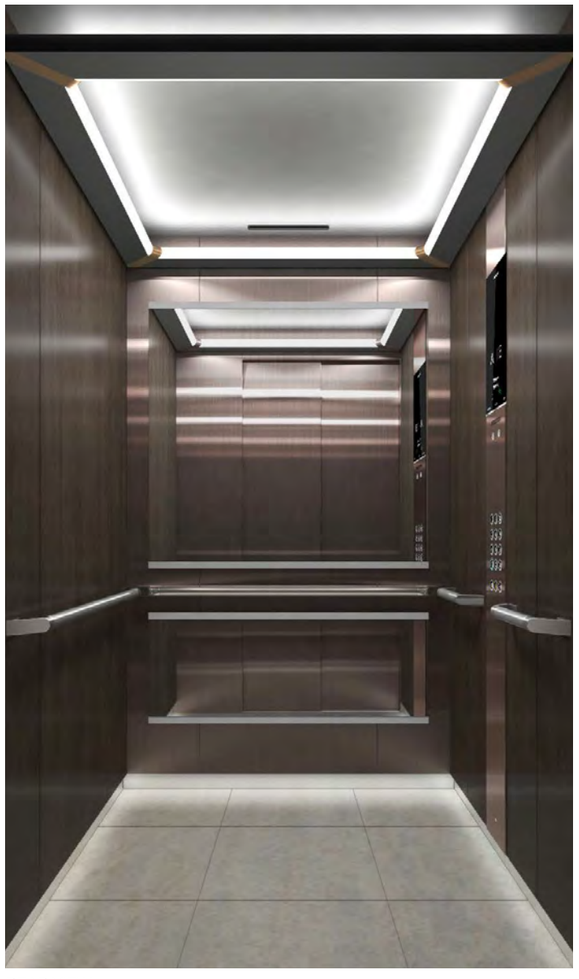
FRONT VIEW

Texture Details

SW05 (VCM)

Ti-Bronze SUSHL

CAR DESIGN



REAR VIEW

Specification

CEILING	LD-B11A / Painted Steel (P040) PC Acrylic+AL+LED, Ti-Bronze SUSHL
WALL	Ti-Bronze SUSHL, SW05 (VCM)
DOOR	Ti-Bronze SUSHL
MIRRORS	Full Height / Aluminum Frame
HANDRAILS	HR1NSS0
OPB	OPB-SA64B / Ti-Bronze SUSHL
FLOOR	Decotile H07
KICK PLATE	SUS Hairline, Ambient lighting

NOTE
* Product and design images are designed to help customers understand, and there may be color differences from the actual product.
* Ceiling and wall divisions may vary according to passenger capacity.
* The pattern's placement may vary according to passenger capacity.
* An emergency elevator is equipped with a ladder hatch.
* Ceiling escape hatches are fabricated only for firefighting and rescue purposes.

ENTRANCE

JP120 Type

JAMB	Ti-Bronze SUSHL
DOOR	Ti-Bronze SUSHL
INDICATOR	PI-SM0B
HALL BUTTON	HPB-MEN64B

* This image is provided for reference only. Please consult with our sales representative to determine the most suitable door type for your site conditions.

* The car indicator application is possible for CH 2400 or higher. Please NOTE that the standard CH size is 2300.
* Selecting a rear mirror ensures compliance with EN 81-70.

HALL FIXTURES LINE-UP

STYLE LINE-UP

As Hyundai Elevator’s signature hall fixture, this model embodies strength, reliability, and refined design.

PI-S700

HIP-SJ64

HPB-J64

ESSENCE LINE-UP

With its modern form and understated elegance, this model complements any architectural interior with effortless harmony.

PI-SC

HIP-SK64

HPB-K64

PREMIUM LINE-UP

Featuring a sleek glass finish, this hall fixture enhances the elevator’s presence with a clean and sophisticated aesthetic.

PI-SM0B

PI-SM0AW

HIP-SMEN64B

HPB-MEN64B

HIP-SMEN64W

HPB-MEN64W

NOTE * The EN64 type button is provided as standard.

FIXTURES DESIGN

CAR OPERATORS

Boxed Type (Half Height)

OPP-SA64A

Boxed Type (Full Height)

OPP-SA64B

BUTTONS

Standard

EN64

Optional

64

ENC1

* The EN64 type button is provided as standard.

HANDRAILS

HR-01WA

HR1NSS0

* If the actual project needs to meet the standard "EN 81-70:2003" or "EN 81-70:2018", HR-01WA & HR1NSS0 handrail can be selected.

NOTE
* According to EN81-70:2022 A1, the car operating panel shall be located on the side wall as follows
* With center opening doors, it shall be on the right hand side when entering the car from the main entrance side
* With side opening doors, it shall be on the closing jamb side when entering the car from the main entrance side
* When the car width exceeds 1600 mm a car operating panel shall be provided on both side walls of the car.
* In the case of cars with adjacent doors, a car operating panel shall be provided on each car wall without door.
* Availability of emergency trap door on the ceiling is dependent on the car size.

CEILINGS & LIGHTINGS

Standard

CD-S14C (Square Downlight)

CD-S14D (Round Downlight)

Optional

CD-S54B (Square Downlight & Mirror)

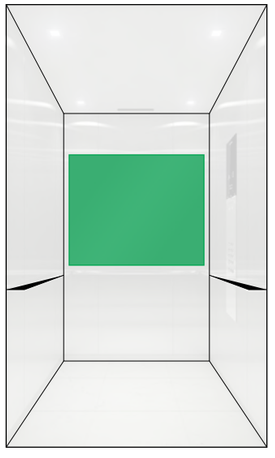
Module Lighting

LD-B11A

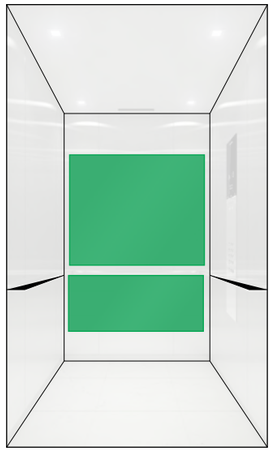
LD-C42B

CAR MIRROR

Half Height



Full Height



* The convex car wall, including the mirror and frame, has a thickness of 10 mm.
* Selecting a full-height rear mirror ensures compliance with EN 81-70:2003 or EN 81-70:2018.
* Rear mirrors are available in either standard glass or SUS MIRROR.
* In accordance with EN 81-70, the rear mirror shall be installed starting at 300 mm above the finished floor level.

FIXTURES DESIGN

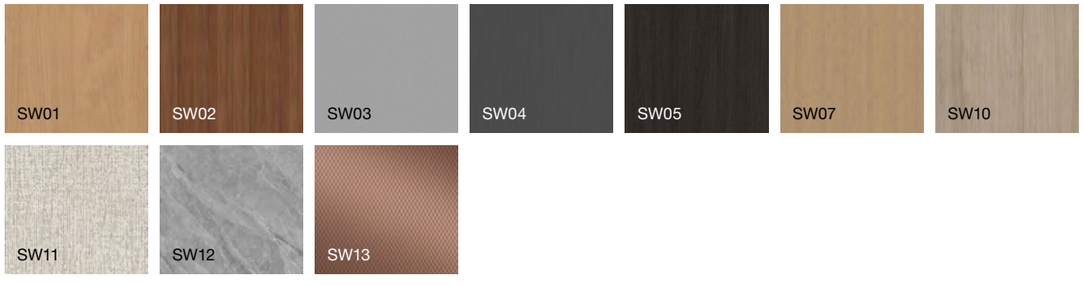
MATERIALS

Painted Steel

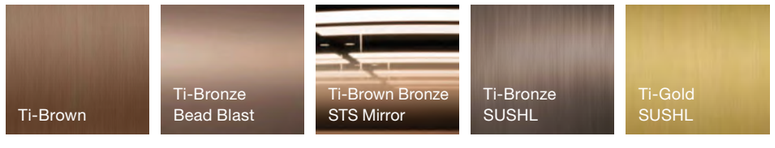
Stainless Steel

STS Embossed Steel

VCM (Vinyl Coated Metal)

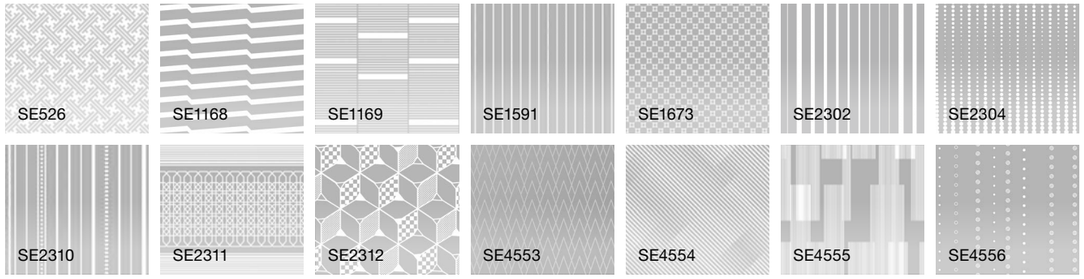


Titanium



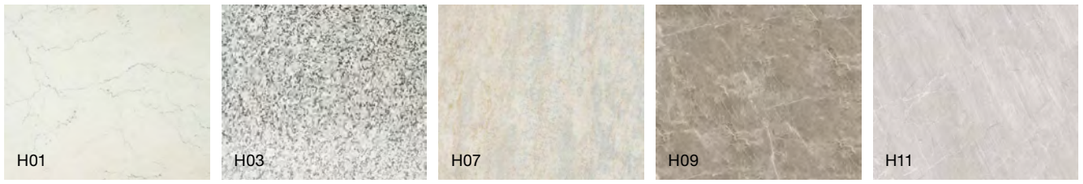
ETCHINGS

* ■ : Embossed / □ : Intaglio etching part



FLOORS

PVC



FIXTURES DESIGN

ENTRANCE TYPE

Standard

JP120

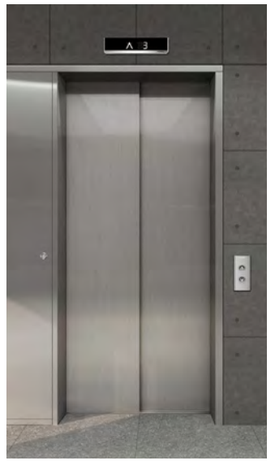
CP120 (Top Floor Only)

Optional

JP50

JP100

JP200U



CP100 (Top Floor Only)

INPUT DEVICE

HTS-B03 (Boxless Type)

HTL-B01G (Boxless Type)
HTL-A02G (Box Type)

HTS-B02G (Boxless Type)
HTL-A03G (Box Type)

HTK-B05C (Boxless Type)

HTK-B15C (Boxless Type)

KIOSK

HTS-K03

CUBIC HALL LANTERN

HLS-NA1
Up: Green
Down: Orange

HLS-NA2
Up & Down: White

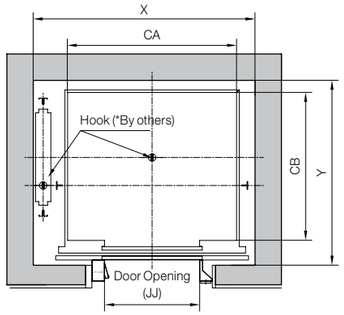
NOTE * Product and design images are designed to help customers understand, and there may be color differences from the actual product.

INSTALLATION LAYOUT PLAN

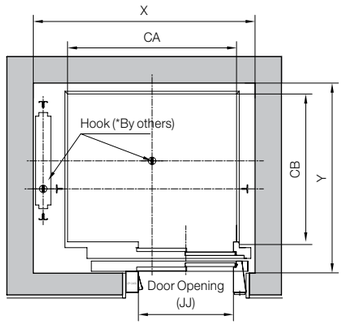
N:EX-1 MRL, Underslung Type

PLAN OF HOISTWAY

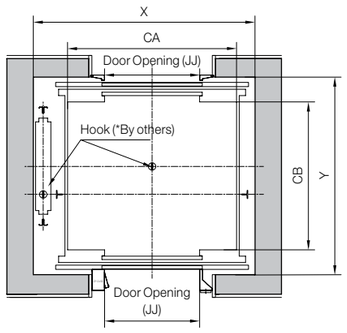
1SCO
Single
Entrance



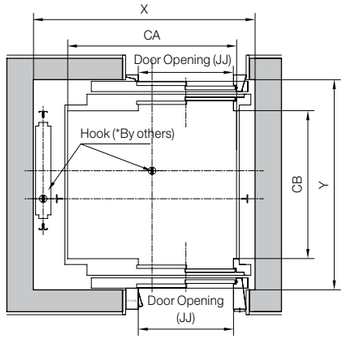
2SSO
Single
Entrance



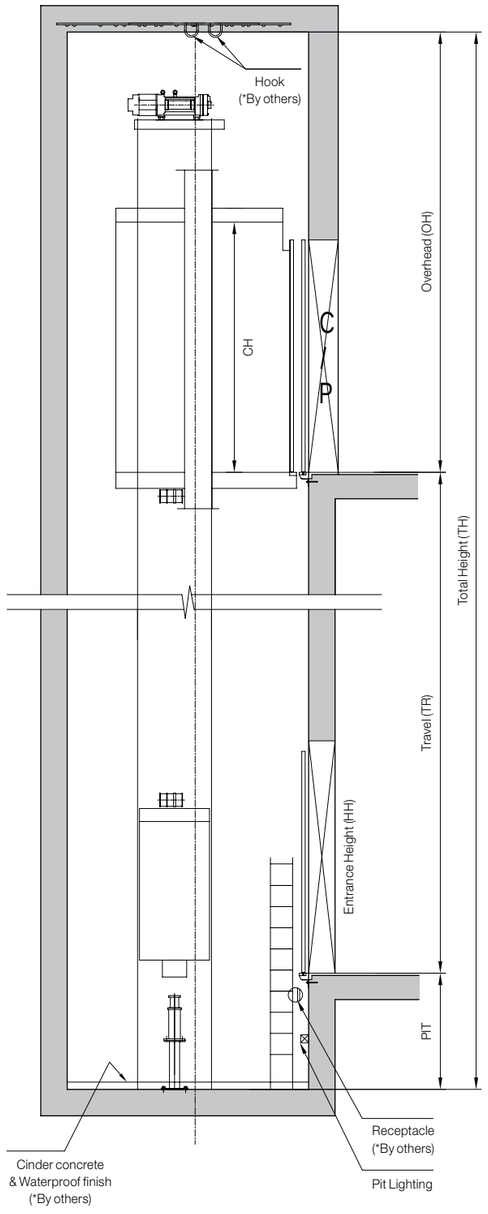
1SCO
Double
Entrance



2SSO
Double
Entrance



SECTION OF HOISTWAY



STANDARD DEMENSIONS

(Unit: mm)

Door Opening Type	Capacity		Speed (m/s)	Car Size		JJ	HH	Hoistway Size (mm) (Note 2, 3)	Max Decoration Weight (kg)
	Persons (75kg/P)	(kg)		CA×CB	CH			X×Y	
1SCO Single Entrance	P6	450	1.0	1100×1150	2300	700	2100	1630×1450	150
	P6	450		1000×1300		800		1700×1600	
	P7	550		1100×1300		800		1740×1600	150 (Note 1)
	P8	630		1100×1400		800		1740×1700	
	P9	700		1250×1400		800		1750×1700	200
	P10	800		1350×1400		800		1850×1700	
	P12	900		1500×1400		900		2000×1700	
	P13	1000		1600×1400		900		2100×1700	
	P15	1150		1800×1400		1000		2300×1700	
2SSO Single Entrance	P5	400	1.0	1000×1100	2300	700	2100	1500×1460	105
	P6	450		1100×1100		800		1600×1460	
	P6	450		1000×1300		800		1515×1650	
	P7	550		1100×1300		800		1600×1650	105 (Note 1)
	P8	630		1100×1400		800		1600×1750	
	P9	700		1200×1400		900		1700×1750	155
	P10	800		1300×1400		900		1800×1750	
	P12	900		1300×1600		900		1800×1950	
	P13	1000		1600×1400		900		2100×1750	
	P13			1100×2100		800		1600×2450	
	P15	1150		1800×1400		1200		2300×1750	
	P15			1200×2100		900		1700×2450	
1SCO Double Entrance	P7	550	1.0	1100×1300	2300	800	2100	1740×1770	105 (Note 1)
	P8	630		1100×1400		800		1740×1870	
	P9	700		1250×1400		800		1750×1870	155
	P10	800		1350×1400		800		1850×1870	
	P12	900		1500×1400		900		2000×1870	
	P13	1000		1600×1400		900		2100×1870	
	P15	1150		1800×1400		1000		2300×1870	
2SSO Double Entrance	P7	550	1.0	1100×1300	2300	800	2100	1600×1890	105 (Note 1)
	P8	630		1100×1400		800		1600×1990	
	P9	700		1200×1400		900		1700×1990	155
	P10	800		1300×1400		900		1800×1990	
	P12	900		1300×1600		900		1800×2190	
	P13	1000		1600×1400		900		2100×1990	
	P13			1100×2100		800		1600×2690	
	P15	1150		1800×1400		1200		2300×1990	
	P15			1200×2100		900		1700×2690	

NOTE
1. When capacity Q=550kg, the travel TR≤25m and the door opening type is 1SCO, the max decoration weight is 50kg; If customers need to choose the decoration weight (up to 150kg), the number of belts needs to be upgraded from 2 to 3.
2. Standard Entrance Height (HH) range : 2000mm≤HH≤2200mm. Standard Car Height (CH) range : 2200mm≤CH≤2400mm.
3. The hoistway sizes indicated in the above table are net wall dimensions (excluding building tolerances).
   Please refer to the table below when planning the hoistway size, and ensure that building tolerances are taken into account.

Tolerance of the hoistway size should be reflected, as follows:

(Unit: mm)

Hoistway Height (m)	Allowable Deviation K
H≤30	0≤K≤25mm
30≤H≤55	0≤K≤35mm

4. Please note that the hoistway size may change when a fire-rated door is applied. Kindly contact us separately for detailed consultation.

OH & PIT Depth (EN81-20/50/70/72 & EN81-1)

(Unit: mm)

Capacity (kg)	Speed (m/s)	OH (mm)		PIT (mm)
		Safety Guard Height 700	Safety Guard Height 1100	
400~1150	1.0	CH+1250	CH+1650	1000

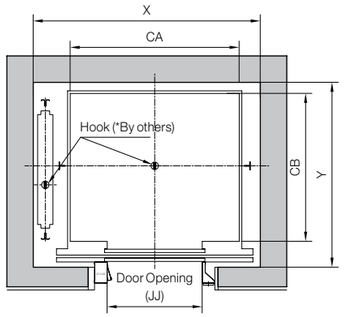
NOTE
1. The above table is based on CH=2300mm, HH=2100mm.
   According to EN81 regulations, it is necessary to meet the requirements for maintenance and evacuation.
   Kindly contact us separately for detailed consultation. CH-HH≤400mm (without emergency exit), an emergency exit, CWT safety gear, oil buffer etc.
2. According to EN81-20 (5.2.6.4.3.1) regulations, it is necessary to meet the requirements for maintenance and evacuation, CH-HH ≤ 400mm (without emergency exit:), otherwise need emergency exit.
3. Car Runby = 70mm, CWT runby = 100mm.
4. Require non-standard consultation if need glass door.

INSTALLATION LAYOUT PLAN

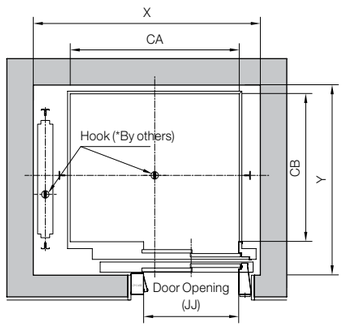
N:EX-1 MRL, Overslung Type

PLAN OF HOISTWAY

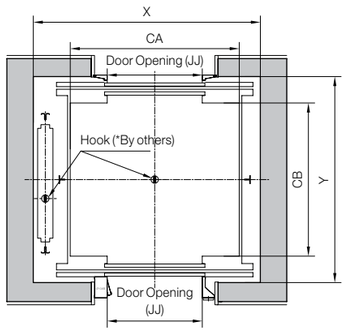
1SCO
Single
Entrance



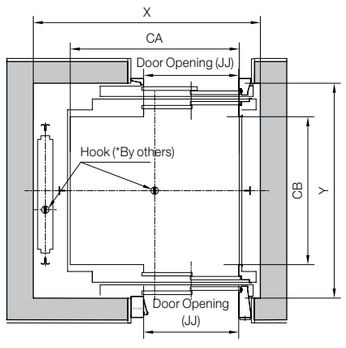
2SSO
Single
Entrance



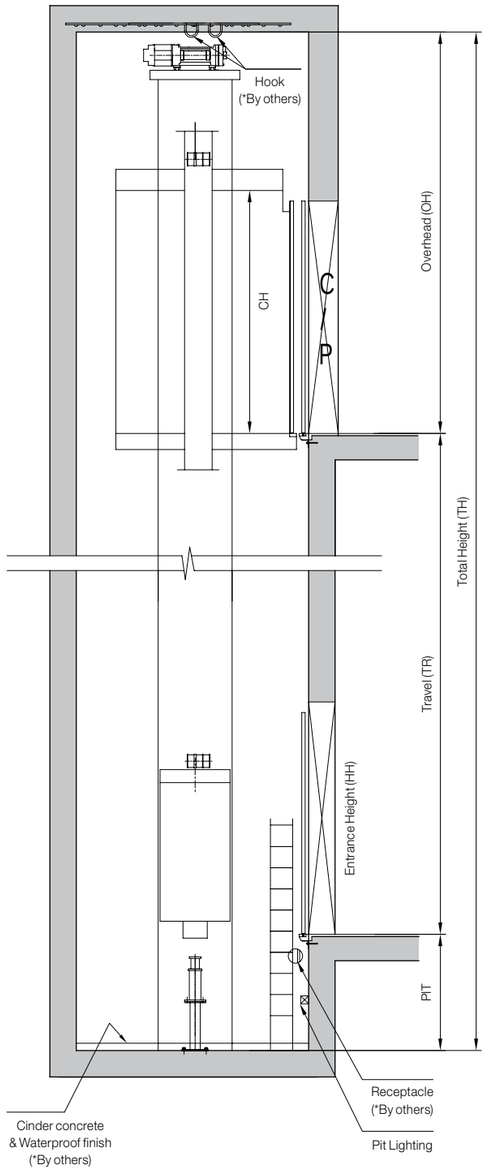
1SCO
Double
Entrance



2SSO
Double
Entrance



SECTION OF HOISTWAY



STANDARD DEMENSIONS

(Unit: mm)

Opening Type	Capacity		Speed (m/s)	Car Insize		JJ	HH	Hoistway Insize	Max Decoration Weight (kg)
	Persons	kg		CA×CB	CH			X×Y	
1SCO Single Entrance	P6	450	1.0 1.5 1.75	1100×1150	2300	700	2100	1700×1550	150 (Note 1)
	P7	550		1100×1300				1775×1650	
	P8	630		1100×1400		800		1775×1750	
	P9	700		1250×1400				1850×1750	200
	P10	800		1350×1400				1900×1750	
	P12	900		1500×1400		900		2100×1750	
	P13	1000		1600×1400				2150×1750	
	P15	1150		1800×1400		1000		2350×1750	
2SSO Single Entrance	P6	450	1.0 1.5 1.75	1100×1100	2300	800	2100	1650×1570	105 (Note 1)
	P7	550		1100×1300				1650×1700	
	P8	630		1100×1400				1650×1800	
	P9	700		1200×1400		900		1750×1800	155
	P10	800		1300×1400				1850×1800	
	P12	900		1300×1600				1850×2000	
	P13	1000		1600×1400				2150×1800	
				1100×2100				1650×2500	
	P15	1150		1800×1400		1200		2350×1800	
				1200×2100		1000		1800×2500	
1SCO Double Entrance	P7	550	1.0 1.5 1.75	1100×1300	2300	800	2100	1775×1800	105 (Note 1)
	P8	630		1100×1400				1775×1900	
	P9	700		1250×1400				1850×1900	155
	P10	800		1350×1400				1900×1900	
	P12	900		1500×1400		900		2100×1900	
	P13	1000		1600×1450				2150×1950	
	P15	1150		1800×1450		1000		2350×1950	
2SSO Double Entrance	P7	550	1.0 1.5 1.75	1100×1300	2300	800	2100	1650×1934	105 (Note 1)
	P8	630		1100×1400				1650×2034	
	P9	700		1200×1400		900		1750×2034	155
	P10	800		1300×1400				1850×2034	
	P12	900		1300×1600				1850×2234	
	P13	1000		1600×1400				2150×2034	
	P15	1150		1800×1400		1200		2350×2034	

NOTE
1. When capacity is 550kg, with travel distance of TR≤25m, there is no additional car weight allowance for interior decoration. If additional weight is required (up to 150kg) additional belt must be applied.
2. Standard Entrance Height (HH) range : 2000mm≤HH≤2200mm.
   Standard Car Height (CH) range : CH≤2700mm.
3. If required Car Height (CH) exceeds 2300mm and additional car weight for car interior decoration is expected, please consult with us for maximum allowable weight.

OH & PIT Depth (EN81-20/50/70/72 & EN81-1)

(Unit: mm)

Capacity (kg)	Speed (m/s)	OH (mm)		PIT (mm)
		Safety Guard Height 700	Safety Guard Height 1100	
450-1150	1.0	3550	3950	1100
	1.5	3700	4100	1250
	1.75	3750	4150	1300

NOTE
1. Above table is based on CH=2300mm and HH=2100mm.
2. Car & CWT runby is 120mm.
3. For capacity 450kg with above standard car size, the refugee type in accordance with EN81-20 ('5.2.5.7 ~ 5.2.5.8) is "crouching" on car and "Laying" in pit respectively.
4. For stretcher elevator, please check with your local authorities for the required car and door dimension.
5. Only apply to steel belt number ≤ 3 :
   When ceiling is CD-199A and apply car exit, if CA≥1100mm and CB≥1600mm : [OH] is standard values.
6. The minimum floor height is 2,600mm for center open door operator and 2,720mm for side open door operator. Please consult with us if your height is less than
7. 2,720mm. Required OH may be increased if you need to position the ventilation fan in the middle of the ceiling or emergency trap door is applied on the ceiling. Please consult with us for more details.

FUNCTIONS

STANDARD & OPTIONAL FEATURES

STANDARD FEATURES

Feature	Description
Selective Collective	One kind of automatic drive mode is to response the calls selectively.
Low Speed Auto-rescue	If the car is not at the door zone area with none-inspection mode, it will run towards the door zone automatically with low speed and then open the door to allow the passengers to get off.
Auto Door Open	The car will open the door automatically for every normal running.
Hall Call Door Open	The car stops at the door zone and closing. if the hall button is activated temporarily or constantly, the door will be reopened again and keep the open state for a while time.
Advance Door Close	Close button can be used to close the door immediately at the auto mode.
Open Door Operation	To use the door open button to reopen the door again when the car is at the door zone.
Re-opening Operation	The car door can't be closed during closing, the system will try to open it again for several times. if it failed, the error will be showed at the HIP to remind the worker to solve.
Inspection Drive	Use the up/down button to run the car with inspection speed at the inspection drive mode and the call can't be registered, "out of service" is showed at the all of the displays.
Emergency lighting	Car lighting will be turned on automatically when the power is black out.
Interphone (intercom)	An interphone system provides emergency communication between passengers in the car and personnel in the machine room, maintenance room or security office.
Attendant Operation	To change the operation mode from the auto mode to the attendant mode. the hall calls will not be response.
Second Touch Call Cancel	To cancel the call by second touch.
Reverse Register Auto Cancel	When the elevator arrived at the most distant floor, all the reverse register will be cancelled.
Automatic car light turn-off	Car lighting will be turned off automatically when the car is idle to save energy.
Automatic car fan turn-off	Car fan will be turned off automatically when the car is idle to save energy.
Auto-return	The elevator will return to the basic floor automatically when the waiting time is beyond the set time at the auto mode.
Auto-learning	The system is to learn the all kinds of data (floor height/safety switch position etc.) and permanent preservation.
Service floor settings	Stop floors/Parallel base floor/Fire evacuation floor/ Parking floor/Basement floor can be set by HHT.
Floor Segment-font Display	Segment-font display with the rich characters, show vivid, beautiful lines is used for the car and the hall.
Dynamic Display car Position	Dynamic update the car position by safety switch position and the landing sensor.
Fire Return	Once the fire switch is activated, all the calls will be cancelled and the elevator runs towards the fire floor ,then keeps the door open.
Parking Operation	Elevators can be automatically parked at the specified floor with door close and fan off.
Multi-beam Safety Protection	Multi-beams from the top to the bottom of the door detect obstructions and force the door to keep open or to reopen before it hits the obstruction.
Overload Protection	A buzzer sounds and the car does not operate when passenger load exceeds maximum capacity. The buzzer stops, door close, and the elevator starts to operate when passengers get off and weight is brought below the limit.
Anti-Slip Protection	If the system detects the rope slip. the system will stop the car immediately and generate fault information.
Over-travel Protection	Slow down switch and limit switch are used to prevent the car over travelling in the hoistway.
Full load Non-stop	Only response the car call when the car is at the full load state.
Anti-nuisance	When there is a significantly larger number of calls registered than the number of passengers, The elevator prevents unnecessary operation by cancelling all calls entered after it arrives at the nearest floor.
UCMP	Due to motor or drive of system's failure make the car unintended movement with doors opened, the elevator will stop immediately.
Door Bypass	In order to maintain the contact point of car door switch, landing door, car door. One tool can be used to bypass the car door or landing door. When the doors are bypassed, only inspection run can do and meanwhile sound is made by an alarm bell at the bottom of the car.
Door chain detection	The system will check the car door switch and the hall door switch whether are operated correctly. If it detects the touch point unnormal, the car will be stopped immediately.
Advance door open	To improve the run efficiency, the door will be opened in advance during every leveling.
Re-leveling	The system will do the re-leveling with a low speed when the passengers enter the car to make it move up or down due to wire rope expansion.
Independent operation	At this state, the car will not response the hall call and the car door also can't be closed automatically.
Running Time Limit	If there is no door zone signal more than 45 seconds during running, the system will stop the car immediately.
Slow Down Switch Fault Protection	If the system detects the fault from the slow down switch, the car will be stopped immediately to prevent the car crash into the top or the pit.
Force Door Close	No close door command if the door keeps open without any close signal due to Multi-beam or other devices, the system will send out the signal to force the door close.
Wire Separate Interphone	Use the individual wires to connect the interphones to the monitor room.
Voice Synthesizer	A voice Synthesizer directs passengers with audible operational information. Such as car direction, floor landed, and emergency alerts (English language).

OPTION FEATURES

Feature	Description
Parallel Control	Two elevators through the CAN communication to increase the operation efficiency of the elevator.
ELD (Emergency landing Device)	In order to prevent the trapping of passengers, elevator is sent to the nearest floor using power from the ELD device when the main power off and there is no emergency power.
IC card	Only the authorized person can take the elevator with the IC card. the IC card machine is usually installed at the cop or HIP.
Hall horizontal display (Std. for EN81-70)	To show the hall position and the run direction for passengers.
CCTV	To use CCTV to monitor the car situation. Usually use double wired conductor/LAN cable/coaxial-cable to transfer the signal. Remark: when the client buy the camera by themselves and purchase the network transmission device which should be disposed when the travel distance is beyond 100 meters from HYUNDAI. The camera must be used IP type and famous brand.
Arrive Chime	To remind the passengers the elevator is leveling by the arrive chime.
Car horizontal display	To show the car position and the run direction for passengers.
Belt broken protection	When the belt broken during the operation of the elevator, the elevator will stop immediately.

CONSTRUCTION WORK

HOISTWAY

1. Forming holes on the wall surrounding the entrance on each floor. (entrance, hall button, hall lantern, etc.), and finishing the walls and floors after installation of the elevator. (including mortar filling)
2. Installation of steel frame to fix the left / right jambs on the entrance.
3. Installation of ladder for pit inspection where there the pit depth not exceeding 2.5m.
4. Installation of Pit access door where the pit depth exceeds 2.5m.
   - Access door size: Min. 600mm (W) × Min. 2000mm (H)
5. Waterproofing work inside the pit and finishing work after installation of the buffer.
6. Installation of hoistway partitions or separating beams. (If necessary)
7. Removing various tie pins and molds.
8. Others. (items indicated on the layout plan)
9. Construction of concrete structures (thickness of 150 mm or above) or steel structures to fix the rail brackets.
10. Destruction and finishing of concrete structures that are not constructed as indicated on the layout plan.
11. Installation of lifting beam or hook that is designed to lift the machine to the top of hoistway.

MACHINE ROOM (MR)

1. Forming holes for machines and ropes on the floor, finishing on cinder concrete, and installation of those indicated on the layout plan.
2. Installation of lifting beam or hook on the top of machine room.
3. Installation of reinforcement beam on the machine room floor. (If necessary)

CONSTRUCTION WORK

HOISTWAY

1. The natural or artificial lighting of the landings in the vicinity of landing doors shall be at least 50 lux at floor level.
2. Lighting with an intensity of at least 50 lux at 1.0 m above the pit floor everywhere a person can stand and 1.0 m above the car roof within its vertical projection.
3. Lighting with an intensity of at least 20 lux in the whole hoistway.
4. Piping and wiring work from monitoring panel to hoistway when monitoring panel is installed. (Wire specifications: UL2919 × 2 EA per one bank (Max. 20 units))
5. Piping and wiring work when CCTV is installed.
6. Others. (items indicated on the layout plan)
7. Wiring work on power system within the hoistway for supplying power and lighting. (Refer to the layout plan for electrical power requirements.)
8. Installation of distribution box for elevator (including N.F.B) on electrical room. (Install near the hoistway. Refer to the layout plan for electrical power requirements.)
9. Construction for power supply to maintain the voltage regulation of distribution source within ±5% to and lighting within ±2%.
10. Piping and wiring work on lighting outlet for pit inspection.
11. Supplying power needed during installation and commissioning free of charge.
12. Piping and wiring work on emergency communication device between elevator control panel and central control room. (Wire specifications: UTP × 4P per each elevator)
    * Communication device that connects the inside and outside of the elevator should be installed redundantly on the area where the managing personnel is stationed (security office, electric room, and central control room). In case of the facility where the managing personnel is stationed in only one place, only one communication device may be installed.

MACHINE ROOM (MR)

1. Piping and wiring work outside the hoistway for the installation of emergency call equipment (intercom) in a place other than the machine room.
2. Construction of lighting and lighting outlets for inspection in machine room.
3. Supplying power needed during installation and commissioning free of charge.
4. Installation of lighting for power system and car, and construction of machine room incoming panel and its wiring for emergency power.
5. Lighting with an intensity of at least 200 lux at floor level everywhere a person needs to work and 50 lux at floor level to move between working areas.

MACHINE ROOM LESS (MRL)

1. Power supply (Including piping and wiring work) to the control panel and per-manently installed lighting with an intensity of at least 200 Lux from the bottom of the control panel.

MATTERS TO NOTE

1. Exit for machine room should be made of fire-proof material and should be installed in a structure that does not lead to other places.
2. Do not install ducts or pipes for other purposes (electricity, water, gas, hydrant) on the hoistway and walls inside the machine room.
3. Lower part of pit should not be used as residence, pathway, or for other purposes.
4. Power and voltage regulation should be within +5% to -5%.
5. Temperature in machine room should be 40℃ and humidity should be 90% or below. Be sure to install the ventilation window, ventilator, or other air-conditioning facilities to prevent generation of dust or poisonous gas inside the machine room.
   * When you wish to build the hoistway in steel frame, please contact us. (Steel frame construction for hoistway is excluded from our supply scope.)
   * Construction errors: Inner hoistway size that is indicated on the blueprint of this catalog is the minimum size that is designed to fit the size of the elevator interior. So, the construction error limit for hoistway width and overall height is ±20 mm.
   * Calculation equation for heat generation in machine room (based on one elevator)
     Q: (kcal/H) = W × V × F × N
     W: Loading capacity (kg)
     N: Number of elevators
     V: Rated speed (m/min.)
     F: Coefficient based on control type (1/42: VVVF)