



PASSENGER ELEVATORS

N:EX-1, YZER-1, LUXEN-1



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PASSENGER ELEVATORS

N:EX-1, YZER-1, LUXEN-1

Engineered with a vision for future sustainability, Hyundai Elevator delivers solutions that maximize property value and performance. Our premier Yzer-1, Luxen-1 and N:EX-1 models combine advanced technology with deep industry expertise to offer an exceptional mobility experience. Featuring elegant designs, these systems seamlessly integrate comfort, efficiency, and eco-friendly innovation into your building's infrastructure.

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 world's 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.

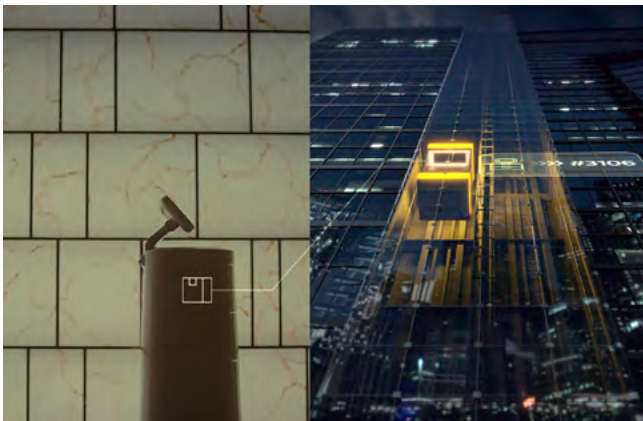


- SEP. 2024**
Launched K-Escalator, Korea's largest escalator production base
- MAY. 2025**
Completed the 250m height "Hyundai Asan Tower test tower" (global top 3) and the Chung Mong-hun R&D Center.
- SEP. 2025**
Obtained ISO 37301 & ISO 37001 Integrated Certification

HYUNDAI ELEVATOR HAVE BEEN MOVING TOWARD THE WORLD

Anchored by cutting-edge smart campuses and the world's most advanced test tower, Hyundai Elevator delivers unparalleled safety, reliability, and innovation. We don't just move people; we shape the future of vertical mobility.

WORLD-CLASS TECHNOLOGY



By integrating cutting-edge technology For uncompromised safety, green innovation that respects both humanity and nature, and Korea's premier IT capabilities, Hyundai Elevator delivers world-class solutions for a smarter tomorrow

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**
- **69 COUNTRIES OVERSEAS AGENCIES**
 - Asia (12 countries)
 - Middle East (10 countries)
 - Africa (9 countries)
 - Europe / CIS (20 countries)
 - North / South America (18 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 delivers premier products with proven reliability and safety.

55,000 Units
(Korea Factory 25,000 Units + China Factory 30,000 Units)
Annual Manufacturing Capacity of Hyundai Elevator

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

SETTING THE NEW STANDARD OF VERTICAL MOBILITY WITH WORLD-CLASS TECHNOLOGY

Anchored by uncompromised safety, ultimate comfort, and sustainable green technology, Hyundai Elevator redefines every journey to elevate the architectural value and prestige of your space.

Uncompromising Safety & Reliability



GLOBAL SAFETY STANDARDS

Our elevators fully comply with stringent international safety codes (EN81-20/50/70/72), ensuring absolute protection for every passenger.

HIGHLY RELIABLE DUAL BRAKES

Equipped with independent dual braking systems, ensuring stable and reliable operation even under unexpected conditions.

Ultimate Comfort & Ride Quality



WHISPER-QUIET SMOOTHNESS

Advanced vibration-reduction technology and optimized mechanical structures minimize noise and horizontal shaking, providing a serene, cloud-like ride.

PASSENGER-CENTRIC ATMOSPHERE

Features like ultra-slim eco-friendly LED ceilings protect eyes from fatigue while creating a bright and welcoming cabin ambiance.

Eco-Friendly & Energy Efficient



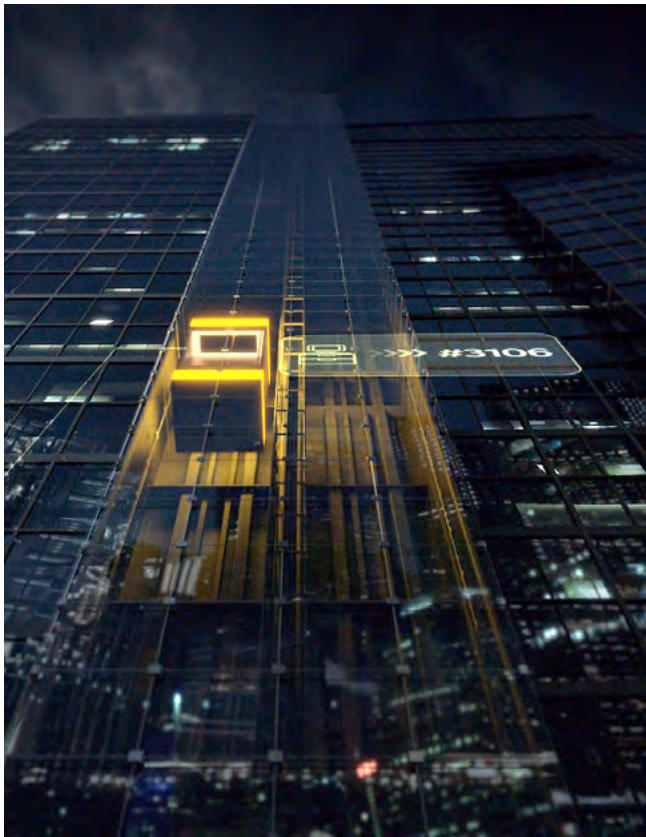
INDUSTRY-LEADING ENERGY EFFICIENCY

Our gearless synchronous traction machines save up to 25% more energy than induction motors, earning the highest "Class A" rating from the Association of German Engineers (VDI).

SUSTAINABLE SOLUTIONS

With a lubricant-free H-BELT system (Zero Oil) and energy-regenerative drives (optional) that recycle up to 60% of power back into the building, we pave the way for greener buildings.

Space Efficiency & Smart Technology



SPACE-SAVING INGENUITY

Our Machine Room-Less (MRL) technology and compact traction units reduce hoistway and pit requirements, granting architects unprecedented design freedom.

INTELLIGENT & EFFICIENT ENGINEERING

Streamlined installation systems (such as rail-mounting methods) shorten construction periods by 20%, while smart, low-maintenance designs ensure seamless long-term operation and hassle-free management.

INTELLIGENT MOBILITY TAILORED TO YOUR BUILDING

Hyundai Elevator offers its customers a variety of customized solutions with a diverse range of products based on elevator usage and building design. Hyundai Elevator’s products offer unique ride comfort, outstanding safety performance and efficient use of space during construction, and maximize the value of the buildings with their sophisticated designs and convenience features.

N:EX-1

Premium Belt Elevator, N:EX-1

Next-generation eco-friendly belt elevator designed for ultimate space savings and whisper-quiet residential comfort.

YZER-1

Smart Utility MRL Elevator, YZER-1

Highly flexible, machine-room-less elevator optimizing building space with minimal construction costs.

LUXEN-1

High-Performance Elevator, LUXEN-1

Heavy-duty, high-efficiency gearless elevator offering exceptional ride quality and supreme reliability for high-traffic environments.

Specification	N:EX-1	YZER-1	LUXEN-1
Concept	Next-Gen Eco-Friendly	Space Optimization	High Efficiency & Comfort
Machine Room	MRL (Machine Room-Less)	MRL (Machine Room-Less)	MR (With Machine Room)
Suspension	Belt	Rope	Rope
Key Advantages	- Oil-free eco-friendly solution - Ultra-compact traction machine (85% smaller) - Extended lifespan & smooth ride	- Reduced construction costs & lead times - Flexible architectural integration - Enhanced safety with dual brakes	- Class A energy efficiency rating - Exceptionally low vibration & noise - Power Regenerative Drive System (Optional)
Capacity	400 ~ 1,150 kg	400 ~ 2,500 kg	450 ~ 2,000 kg
Recommended Applications	High-End Residential (Villas, Apartments)	Commercial Buildings, Offices, Hospitals	Factories, Public Buildings, Industrial





STYLE

ESSENCE

PREMIUM

CAR DESIGN

Diverse car designs match your architectural concepts.

From the height of the ceiling to the lighting, the color and pattern of walls, and the flooring, cars have been carefully designed to render an elegant and comfortable space. Operating panels and indicators that are easy to use and clean moving solutions that take into consideration the hygienic use of elevators maximize users' satisfaction.



Front View (Based on 13 passengers, 1,000kg capacity unit)

STYLE GRAPHITE

CAR DESIGN

Ceiling	CD199A/ALUMINUM (SILVER), PC ABS, LED LIGHTING, CEILING PLATE (PAINTED STEEL P040)
Front Wall	PAINTED STEEL (P038)
Side Walls	PAINTED STEEL (P038)
Rear Wall	PAINTED STEEL (P038), STS MIRROR, LED BAR LIGHT
Handrails	STS PIPE 1"(1C)/STS POLISHED, CHROME BRACKET
Car Doors	PAINTED STEEL (P038)
Car Operating Panel	OPP-S264_G/STS HAIRLINE
Flooring	PVC (H01)



Rear View

ENTRANCE

50 TYPE	
Doors	PAINTED STEEL (P038)
Jamb	PAINTED STEEL (P038)
Hall Button	HIP-S264/STS HAIRLINE



50 Type

Notes 1. Product and design images have been created to help viewers' understanding. Actual colors may be different from those that are depicted.
2. For 700 kg models and smaller, the central wall pattern on the inner surface of side panels may be omitted due to the division line between the 2 panels.



Front View (Based on 13 passengers, 1,000kg capacity unit)

STYLE SILVER

CAR DESIGN

Ceiling	CD-S14C / PAINTED STEEL (P040), LED DOWN LIGHTING (SQUARE)
Front Wall	STS HAIRLINE
Side Walls	STS HAIRLINE
Rear Wall	STS HAIRLINE
Handrails	HR-01W / STS POLISHED
Car Doors	STS HAIRLINE
Car Operating Panel	OPP-SA64A / STS HAIRLINE
Flooring	PVC (H01)



Rear View

ENTRANCE

50 TYPE

Doors	STS HAIRLINE
Jamb	STS HAIRLINE
Hall Button	HPB-JEN64
Hall Lantern	HLS-S790A



50 Type

- Notes**
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Front View [Based on 13 passengers, 1,000kg capacity unit]

ESSENCE LINEAR

CAR DESIGN

Ceiling	CD191A/STS HAIRLINE, LED BAR TYPE MODULE (P022), CEILING PLATE (PAINTED STEEL P038)
Front Wall	STS HAIRLINE
Side Walls	STS HAIRLINE
Rear Wall	STS HAIRLINE, STS MIRROR ETCHING (SE1591)
Handrails	HR1NSS0
Car Doors	STS HAIRLINE
Car Operating Panel	OPP-N221A_G/STS HAIRLINE
Indicator	PI-SC
Flooring	PVC (H03)



Rear View

ENTRANCE

50 TYPE (MAIN FLOOR)

Doors	STS HAIRLINE ETCHING (SE1591)
Jamb	STS HAIRLINE
Hall Button	HPB-K21
Indicator	PI-SC

50 TYPE

Doors	STS HAIRLINE ETCHING (SE1591)
Jamb	STS HAIRLINE
Hall Button	HIP-SK21



50 TYPE (Main Floor)



50 Type

- Notes**
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 - 2. For 700 kg models and smaller, the central wall pattern on the inner surface of side panels may be omitted due to the division line between the 2 panels.



Front View [Based on 13 passengers, 1,000kg capacity unit]

ESSENCE ONYX

CAR DESIGN

Ceiling	CD-B32D / PAINTED STEEL (P038), LED LIGHT
Front Wall	COLOR STS HAIRLINE BLACK
Side Walls	COLOR STS HAIRLINE BLACK
Rear Wall	VCM (SW05), STS MIRROR, LED BAR LIGHT
Handrails	HR1NSSO
Car Doors	COLOR STS HAIRLINE BLACK
Car Operating Panel	OPP-LA21B_G COLOR STS HAIRLINE BLACK
Flooring	PVC (H03)

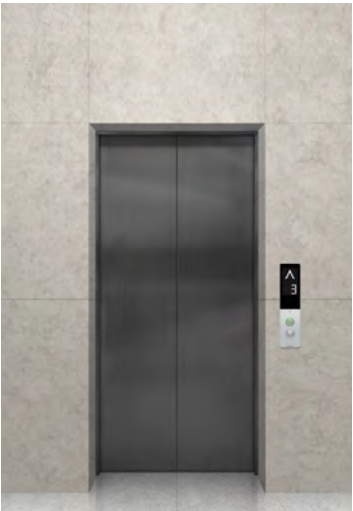


Rear View

ENTRANCE

50 TYPE

Doors	COLOR STS HAIRLINE BLACK
Jamb	COLOR STS HAIRLINE BLACK
Hall Button	HIP-SK21



50 TYPE

- Notes**
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 - 2. For 700 kg models and smaller, the central wall pattern on the inner surface of side panels may be omitted due to the division line between the 2 panels.



Front View (Based on 13 passengers, 1,000kg capacity unit)

PREMIUM BRONZE

CAR DESIGN

Ceiling	CD-F35 / PAINTED STEEL (P040), LED IN-DIRECT LIGHT, LED BAR LIGHT
Front Wall	TI-BRONZE STS HAIRLINE
Side Walls	TI-BRONZE STS HAIRLINE
Rear Wall	TI-BRONZE STS HAIRLINE, VCM (SW11)
Handrails	FA/TI-BRONZE STS HAIRLINE
Car Doors	TI-BRONZE STS HAIRLINE
Car Operating Panel	OPP-LTA64B/ TI-BRONZE STS HAIRLINE
Flooring	PVC (H07), FLOORING LIGHT



Rear View

ENTRANCE

100 TYPE

Doors	TI-BRONZE STS HAIRLINE
Jamb	TI-BRONZE STS HAIRLINE
Hall Button	HIP-SMEN64B
Hall Lantern	HLS-NC



100 TYPE

- Notes**
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 - 2. For 700 kg models and smaller, the central wall pattern on the inner surface of side panels may be omitted due to the division line between the 2 panels.



PREMIUM OBSIDIAN

CAR DESIGN

Ceiling	CD-S21A/PAINTED STEEL (P038), STS MIRROR, LED BAR LIGHT, LED DOWN LIGHT
Front Wall	TI-BLACK BEAD BLAST
Side Walls	TI-BLACK BEAD BLAST, TI-BLACK MIRROR
Rear Wall	TI-BLACK BEAD BLAST
Handrails	HR1NSS0/BLACK COLOR POLISHED
Car Doors	TI-BLACK BEAD BLAST
Car Operating Panel	(MAIN) OPP-N221A_G (SWING TYPE) + LCD 10"/TI-BLACK BEAD BLAST(SUB) OPP-N221A_G (SWING TYPE) + LCD 10"/ TI-BLACK BEAD BLAST
Flooring	PVC (H03), FLOORING LIGHT



Rear View

ENTRANCE

200U TYPE

Doors	TI-BLACK BEAD BLAST
Jamb	TI-BLACK BEAD BLAST
Hall Button	HTS-B02G
Hall Lantern	HLS-NA2



200U TYPE

- Notes**
- 1. Product and design images have been created to help viewers' understanding. Actual colors may be different from those that are depicted.
 - 2. For 700 kg models and smaller, the central wall pattern on the inner surface of side panels may be omitted due to the division line between the 2 panels.
 - 3. For 800 kg models and smaller, swing-type operating panels may not be applicable due to the narrow width of the front wall.

NEW SMART SOLUTION

NEW SMART FOOT BUTTON

- A unique design with a soft, curved form enhanced by a glossy finish
- Available in two color options: black and silver
- More convenient with an arrival notification lamp located at the top of the button



reddot winner 2025



HIP-LF21S0 (Without Foot Sensor)
HIP-LF21S1 (With Foot Sensor)



HPB-F21S0 (Without Foot Sensor)
HPB-F21S1 (With Foot Sensor)

Please check the footprint recognition zone displayed on the floor!



[Foot Detection Sensor Equipped Type]

Convenient operation that allows you to call the elevator with a foot gesture using a foot sensor, without pressing any buttons.

※ This model comes standard with the 21 button (Green illumination), and the 6A button can be selected as optional features if needed.

NEW MOTION CALL BUTTON

- A modern and sophisticated design that seamlessly integrates with the hall interior
- Touch-free operation provides a more hygienic and convenient experience
- Advanced built-in motion sensor operates by detecting hand gestures



HIP-SGS2A (Without Motion Sensor)
HIP-SGS2B (With Motion Sensor)



HPB-GS2A (Without Motion Sensor)
HPB-GS2B (With Motion Sensor)

[Motion Sensor Equipped Type]

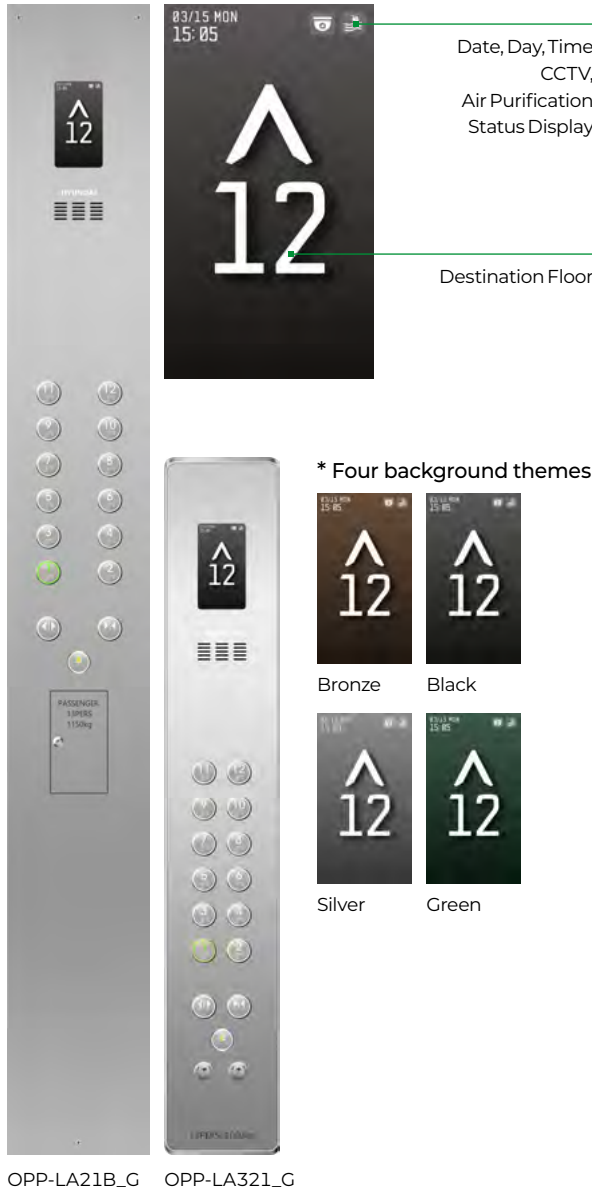
Buttons used by the public can easily transmit bacteria and viruses. Call buttons that recognize simple hand gestures through motion recognition sensors help to prevent contamination through physical contact.

Notes - Product images have been modified to help viewers' understanding. Design and colors depicted may differ from the actual products.

FIXTURES DESIGN

CAR OPERATING PANELS

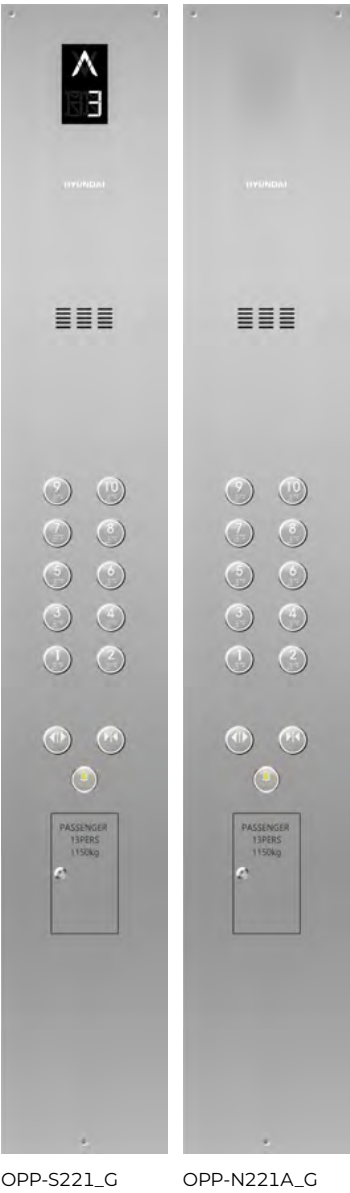
7 Inch Type



Standard Type



Premium Type

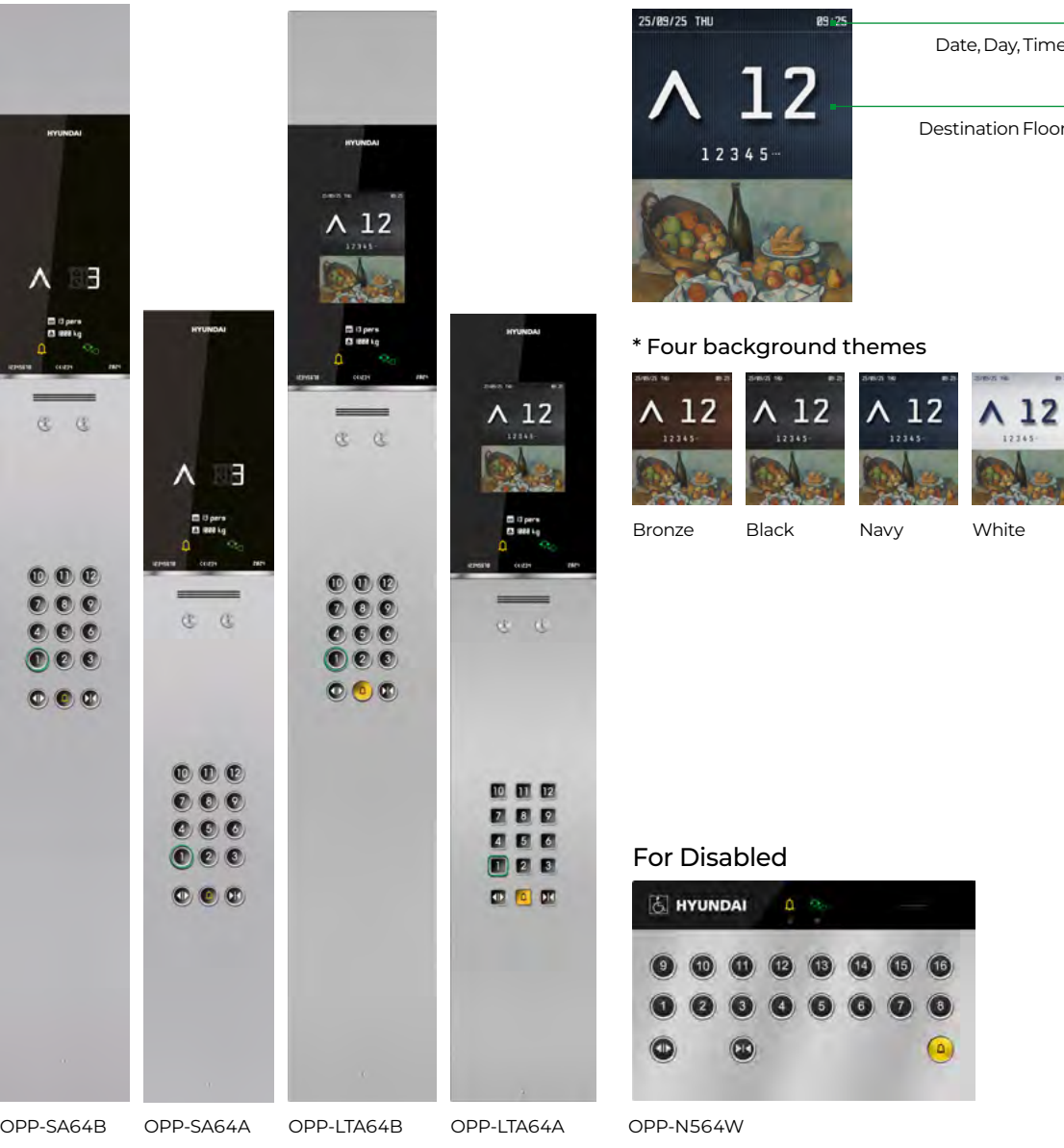


For Disabled (Not EN81-70 compliant)



- Notes**
- This printed image is staged to help customers understand the product, and the actual product colors may differ slightly.
 - For LCD themes and information display, please contact us for further inquiries.
 - For the OPP-LA321_G model, up to 12 floors can be applied.
 - The location of the emergency call button may change depending on accessibility (for disabled users) requirements.
 - The operating panel (OPB) design may vary depending on emergency and accessibility applications.
 - Additional function buttons may be added to the operating panel depending on elevator usage; please contact us for details.
 - The BGM function comes standard on the LA21B_G, LA321_G and S521A_G models.
 - For other OPB models, the BGM function is available only when a BGM-compatible COP board is installed.

Side Type* (for EN81-70)



For Disabled



- Notes**
- Models marked with an asterisk (*) are compatible only with EN64 and ENC1 buttons.

FIXTURES DESIGN

HALL BUTTONS

L: LCD TYPE / S: SEGMENT TYPE

Standard Type



HIP-SK21 HPB-K21 HIP-SJ21 HPB-J21 HIP-S221* HPB-221*

Foot Button



HIP-SK21F HPB-K21F

Glass Type **



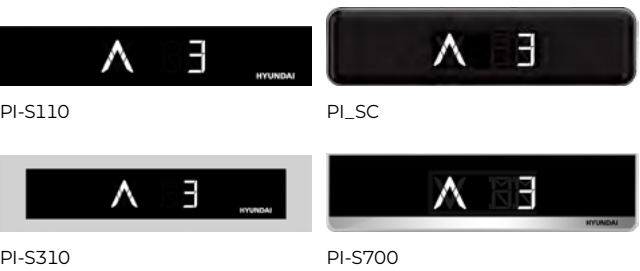
HIP-SM21B HIP-LM21B HPB-M21B HIP-SM21W HIP-LM21W HPB-M21W

※ *HIP-S221 / HPB-221 are flush-mounted hall buttons, while other hall buttons are surface-mounted.
※ **The C1 button is not applicable to the glass type.

INDICATORS

L: LCD TYPE / S: SEGMENT TYPE

Standard Type



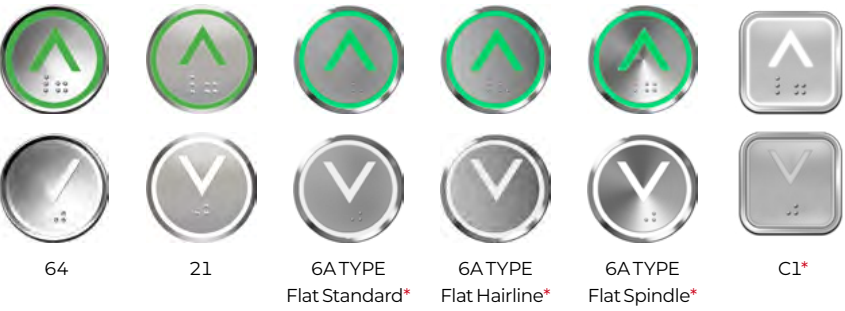
Air Purifier Type **



※ PI-S110 is flush-mounted type position indicators, while other position indicators are surface-mounted.
※ The font design may vary depending on the display method, so please consult with our sales representative.
※ Basement floors are generally indicated by the uppercase letter "B," but the notation may vary by model, so please consult with our sales representative.
※ * This model has a separate model that satisfies the EN code, please contact us. (PI-SM0AW)
※ **The items displayed in the In-Car Function Display, including the LOWATT Energy Saving Status, may differ depending on the actual installation conditions and applied options.

BUTTONS

Standard Type



※ The illumination color of the 21 & 6A type buttons is green.
※ The illumination color of the C1 type button is white.
※ The models are compatible with EN64 and ENC1 buttons.
- HIP-SJxx/HPB-Jxx
- HIP-SKxx/HPB-Kxx
- HIP-SMxxB/HPB-MxxB
- HIP-SMxxWHPB-MxxW
※ Models marked with an asterisk (*) are imported from Korea Headquarters.

Notes - The images in this printed material are for illustrative purposes to aid customer understanding, and the actual product colors may vary slightly.

for EN81-70



FIXTURES DESIGN

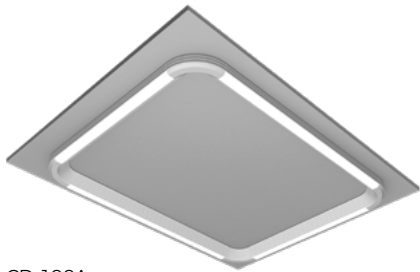
CEILING

※ One-layer Ceiling is only available in SPCC color.
Double-layer Ceiling materials are customizable(Only the part framed by lines).
※ Models marked with an asterisk (*) are only applicable to N:EX-1.

One-layer Ceiling



CD-198A



CD-199A



CD-B31C



CD-S14D*



CD-S54B*

Double-layer Ceiling



CD-191A



CD-191B



CD-199B



CD-F35



CD-B32D



CD-S21A

※ The standard ceiling features 4000–5000 K lighting. The perceived lighting color may vary depending on the interior design and color scheme of the installation site.
Please contact us for more information.

HALL LANTERNS

S: SEGMENT TYPE

Standard Type



HLS-790/HLS-S790/HLS-S790A*

Premium Type



HLS-NC**

Cubic Hall Lantern



HLS-NA1/HLS-NA2**

※ For HLS-790, HLS-S790, and HLS-S790A models, the illuminated lamp color is available in one of the following options:
- Yellow Gold (top and bottom)
- Green (top) & Orange (bottom)
For the HLS-NA1 model, only Green (top) & Orange (bottom) is available.
※ **For HLS-NC and HLS-NA2 models, the illuminated lamp color is White (top and bottom).
※ Models marked with an asterisk (*) satisfies the EN code.

HANDRAILS

Standard Type



- 1. HR1NSSO**
- 2. 1C
- 3. FA
- 4. HR-01WA**

Anti-Virus Type



- 1. 1FW(Wood Pattern)*

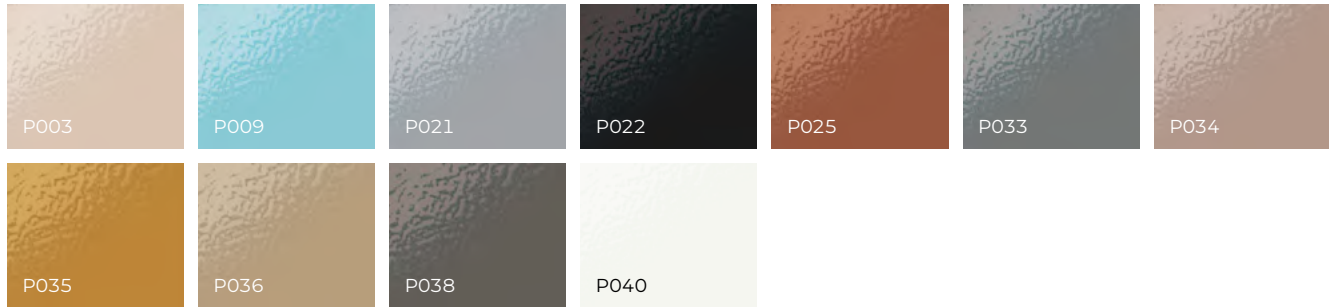
※ Models marked with an asterisk (*) are imported from Korea Headquarters.
※ Models marked with a double asterisk (**) satisfies the EN code.

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FIXTURES DESIGN

MATERIALS

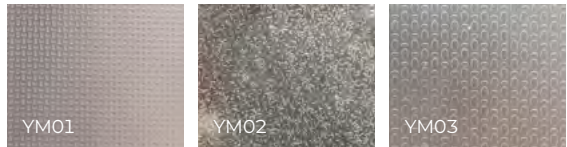
Painted Steel



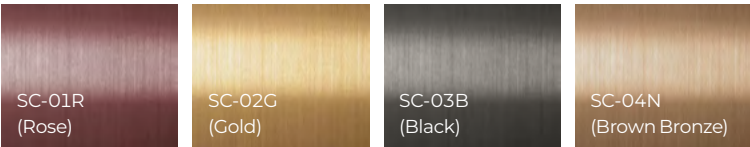
Stainless Steel



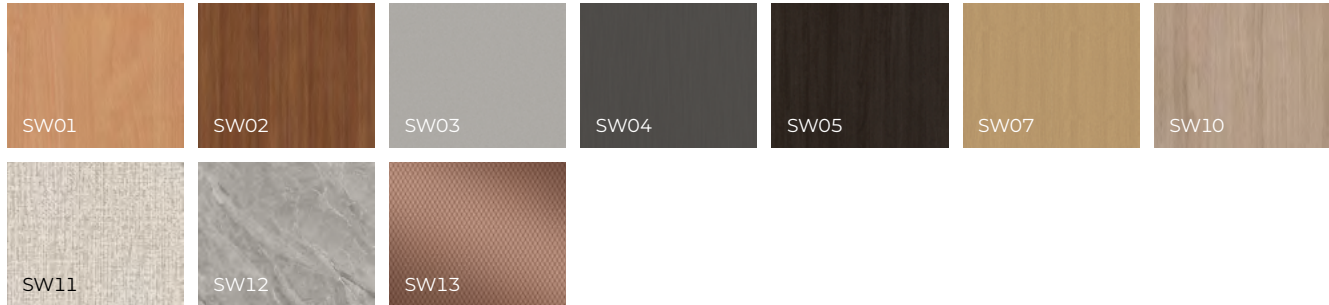
STS Embossed Steel



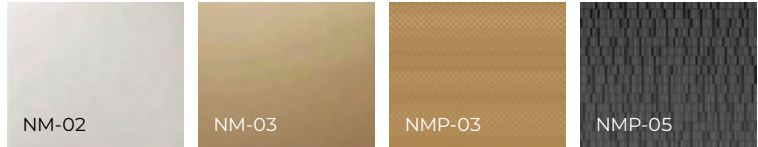
Color Stainless



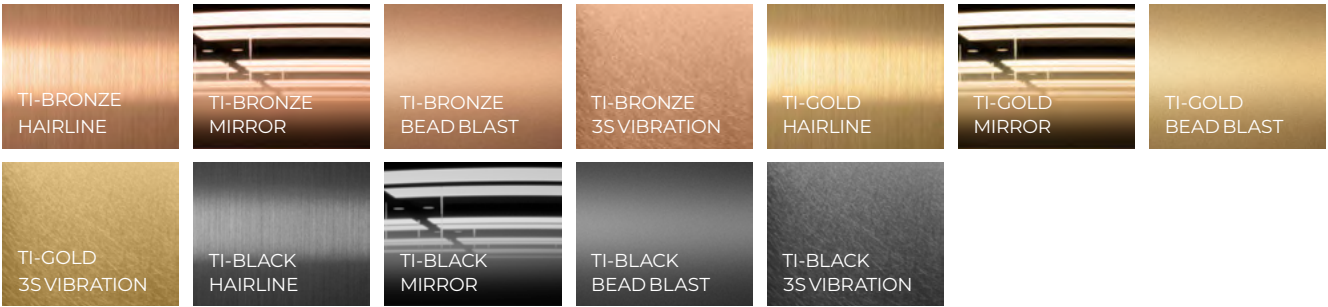
VCM (Vinyl Coated Metal)



PCM (Pre Coated Metal)

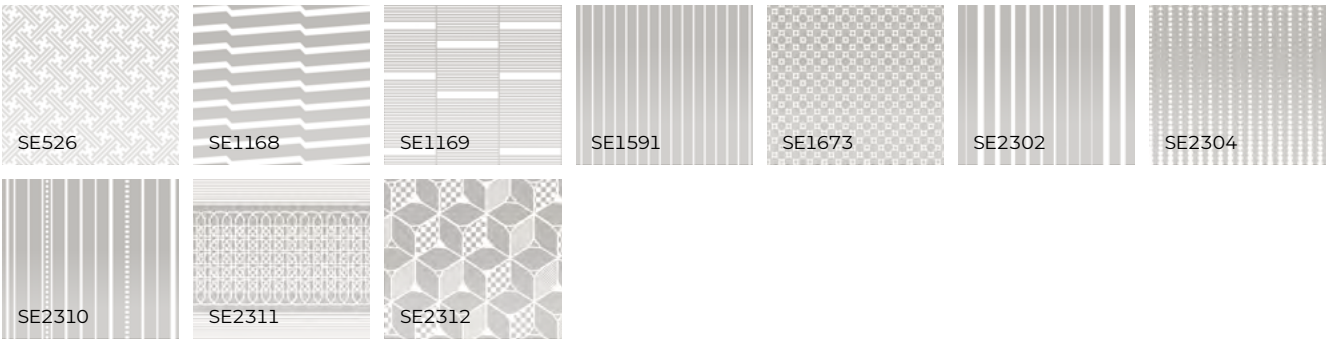


Titanium



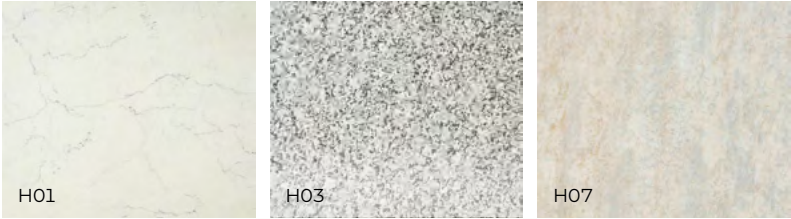
ETCHINGS

*■: Embossed / □: Intaglio etching part



FLOORS

PVC



FIXTURES DESIGN

ENTRANCE TYPE

Standard



JP50 (Main Floor)



JP50 (Other Floor)

Optional



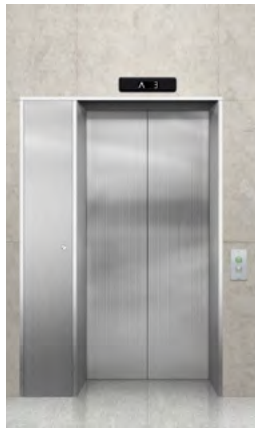
JP100



JP120



JP200U



CP100



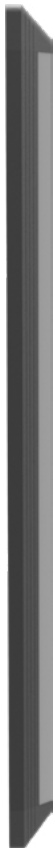
CP120*

Notes - Models marked with an asterisk (*) feature an integrated control panel and jamb. Refer to the Entrance Layout for details.

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)*



HTS-K03*



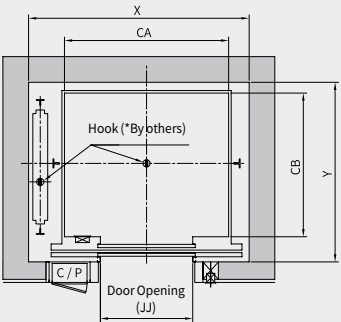
※ Models marked with an asterisk (*) are imported from Korea Headquarters.

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

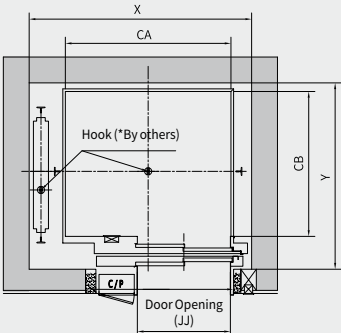
INSTALLATION LAYOUT PLAN

N:EX-1 OVERSLUNG MRL, (COUNTERWEIGHT SIDE DROP TYPE (1.0~1.75 M/SEC.)

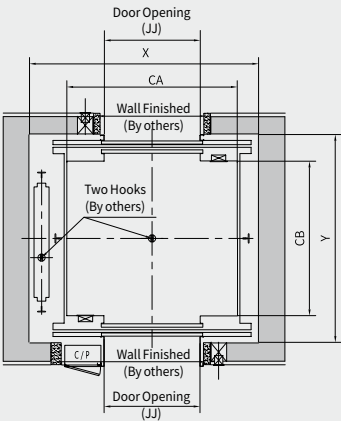
PLAN OF HOISTWAY



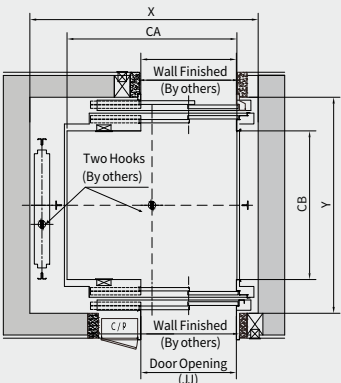
1SCO



2SSO

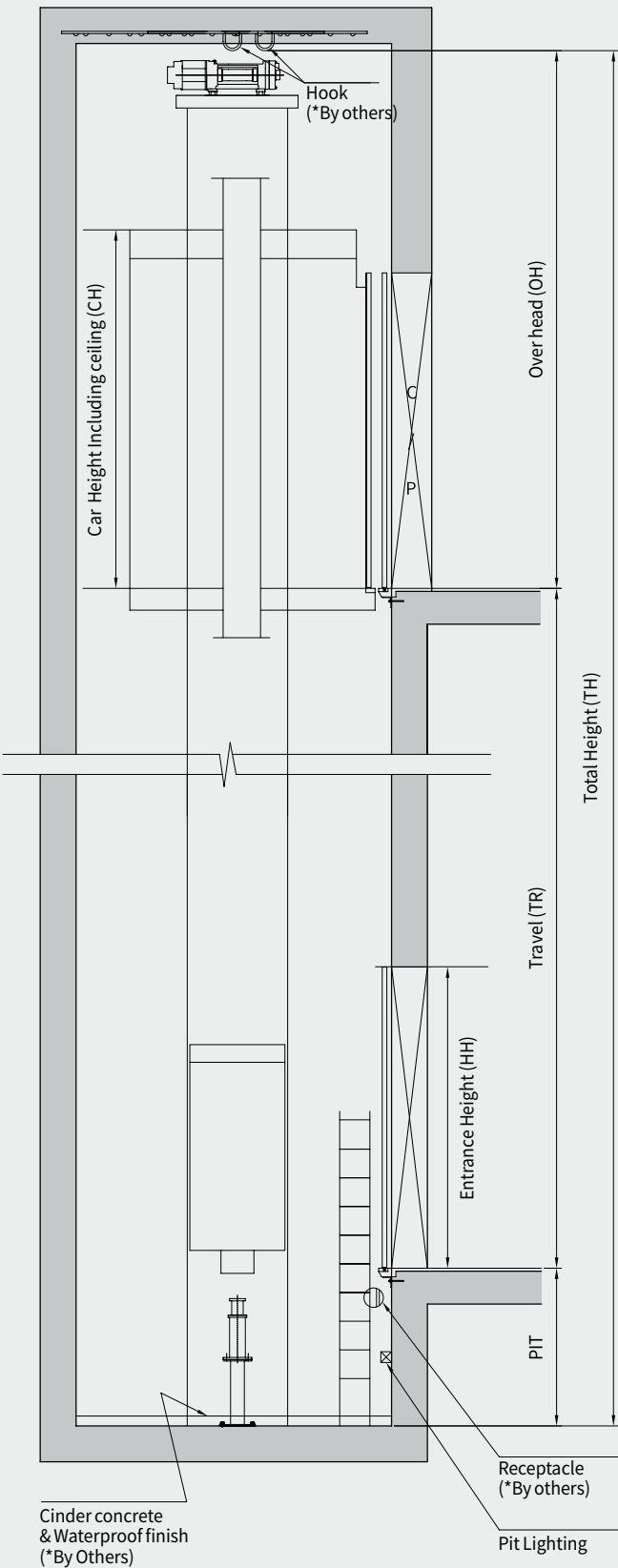


1SCO
DOUBLE ENTRANCE



2SSO
DOUBLE ENTRANCE

SECTION OF HOISTWAY



STANDARD DIMENSIONS

N:EX-1 OVERSLUNG MRL (1.0~1.75 M/SEC.)

STANDARD DIMENSIONS & REACTIONS

(Unit: mm)

Capacity		Speed (m/sec.)	Opening Type	Car Insize (mm)		JJ	HH	Hoistway Insize (mm)	Max Decoration Weight (kg)
Persons	kg			CA × CB	CH			X × Y	
6	450	1.0 1.5 1.75	1SCO Single Entrance	1100 × 1150	2300	700	2100	1700 × 1550	150 (NOTE 1)
7	550			1100 × 1300		1775 × 1650			
8	630			1100 × 1400		1775 × 1750			
9	700			1250 × 1400		1850 × 1750		200	
10	800			1350 × 1400		1900 × 1750			
12	900			1500 × 1400		2100 × 1750			
13	1000			1600 × 1400		2150 × 1750			
15	1150	1800 × 1400	2350 × 1750						
6	450	1.0 1.5 1.75	2SSO Single Entrance	1100 × 1100	2300	800	2100	1650 × 1570	105 (Note 1)
7	550			1100 × 1300		1650 × 1700			
8	630			1100 × 1400		1650 × 1800			
9	700			1200 × 1400		1750 × 1800		155	
10	800			1300 × 1400		1850 × 1800			
12	900			1300 × 1600		1850 × 2000			
13	1000			1600 × 1400		2150 × 1800			
		1100 × 2100	1650 × 2500						
15	1150	1800 × 1400	2350 × 1800						
		1200 × 2100	1800 × 2500	1000					
7	550	1.0 1.5 1.75	1SCO Double Entrance	1100 × 1300	2300	800	2100	1775 × 1800	105 (NOTE 1)
8	630			1100 × 1400		1775 × 1900			
9	700			1250 × 1400		1850 × 1900			
10	800			1350 × 1400		1900 × 1900		155	
12	900			1500 × 1400		2100 × 1900			
13	1000			1600 × 1450		2150 × 1950			
15	1150			1800 × 1450		2350 × 1950		1000	
7	550	1.0 1.5 1.75	2SSO Double Entrance	1100 × 1300	2300	800	2100	1650 × 1934	65
8	630			1100 × 1400		1650 × 2034			
9	700			1200 × 1400		1750 × 2034			
10	800			1300 × 1400		1850 × 2034		115	
12	900			1300 × 1600		1850 × 2234			
13	1000			1600 × 1400		2150 × 2034			
15	1150			1800 × 1400		2350 × 2034		1200	

- ▲ Notes
- 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.
 - Standard Entrance Height(HH) range : 2000mm≤HH≤2200mm
Standard Car Height(CH) range : CH≤2700mm.
For the condition where CH > 2500, the thickness of the car wall material shall be upgraded to 1.5mm.
 - 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.

OVERHEAD & PIT DEPTH (EN81-20/50)

(Unit: mm)

Capacity (kg)	Speed (m/sec.)	Overhead(OH)		Pit Depth (PP)
		Balustrade Height 700	Balustrade Height 1100	
450 -1150	1.0	3550	3950	1100
	1.5	3700	4100	1250
	1.75	3750	4150	1300

- ▲ Notes
- Above table is based on CH=2300mm and HH=2100mm.
 - Car & CWT runby is 120mm.
 - 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.
 - For stretcher elevator, please check with your local authorities for the required car and door dimension.
 - 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.
 - The minimum floor height is 2,600mm for HL2 door operator and 2,720mm for W1L door operator.
Please consult with us if your height is less than 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.

OVERHEAD & PIT DEPTH (GB7588-2030, EN81-1)

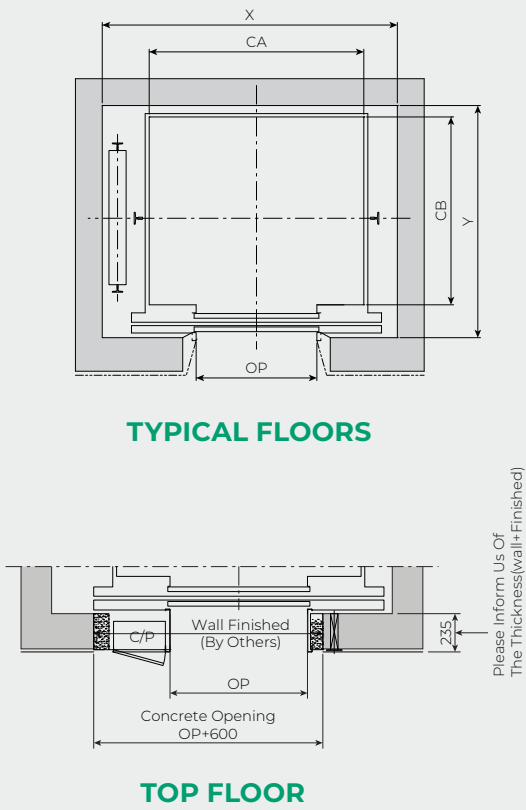
(Unit: mm)

Capacity (kg)	Speed (m/sec.)	Overhead(OH)		Pit Depth (PP)
		Balustrade Height 700	Balustrade Height 1100	
450 -1150	1.0	3550	3950	1100
	1.5	3700	4100	1250
	1.75	3750	4150	1300

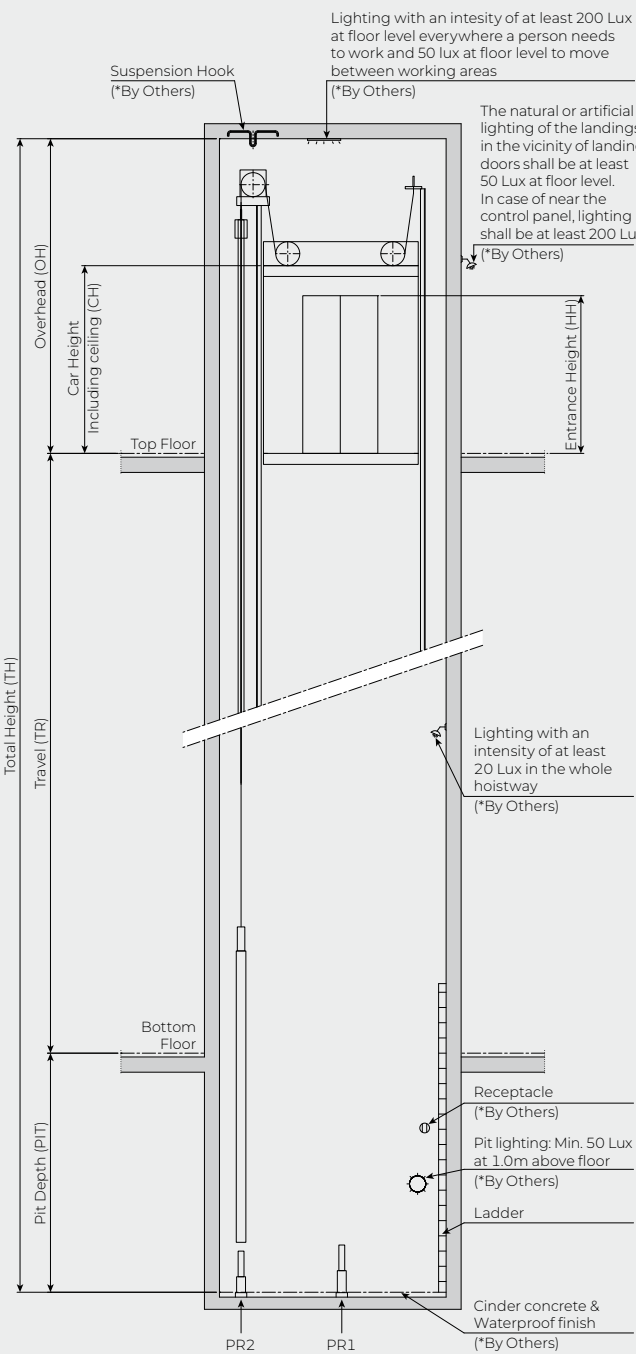
INSTALLATION LAYOUT PLAN

YZER-1 (1.0~2.5 m/sec., 1S-CO)

PLAN OF HOISTWAY



SECTION OF HOISTWAY



STANDARD DIMENSIONS

YZER-1 (1.0~2.5 m/sec., 1S-CO)

STANDARD DIMENSIONS & REACTIONS

(Unit: mm)

Capacity		Speed (m/sec.)	Opening Type	Clear Opening	Car Insize (mm)	Hoistway Insize (mm)	Pit Reaction (kN)	
Persons	kg			OP	CA × CB	X × Y	PR1	PR2
6	450	1.0	1S-CO	700	1100 × 1100	1700 × 1500	67	54
7	550	1.0		800	1100 × 1300	1850 × 1650		
8	630	1.0~2.0		800	1100 × 1400	1850 × 1750		
9	700	1.0~2.0		800	1250 × 1400	1900 × 1750	82	66
10	800	1.0~2.5		800	1300 × 1400	1950 × 1750		
12	900	1.0~2.5		900	1600 × 1300	2230 × 1650		
13	1000	1.0~2.0		900	1600 × 1400	2230 × 1750	92	72
		2.5				2230 × 2060		
		1.0~2.0				2430 × 1750		
15	1150	2.5		1000	1800 × 1400	2430 × 2060	102	79
		1.0~1.5				2540 × 1970		
		1.75~2.5				2540 × 2200		
18	1350	1.0		1100	1800 × 1600	2740 × 2070	124	104
		1.75~2.5				2740 × 2250		
21	1600	1.0~1.75				2740 × 2250		
24	1800	1.0	1S-CO	1100	2000 × 1700	2550 × 2650	140	115
		1.5~1.75				2550 × 2650		
		1.0				2850 × 2250		
26	2000	1.5~1.75		1200	2100 × 1900	2850 × 2250	175	134
		1.0~1.75				2850 × 2600		
33	2500	1.0~1.75		1200	2200 × 2200	2950 × 2900	200	150

- ▲ Notes
1. The above table of dimensions is as per EN81-20. In case of EN81-1 or other country codes, please contact us.
 2. The persons is calculated at 75 kg per person, as required by EN81-20.
 3. In case of through type (two entrances at 180 degrees), please contact us.
 4. If counterweight safety gear is requested, please contact us.
 5. The MIN.Dimension of wall thickness + finished thickness size for CP100 jamb is 235mm.
 6. The Hoistway dimensions width & depth are based on clear dimension +50 mm horizontal tolerances over the total hoistway height.
 7. The car and counterweight of 1800 kg~2500 kg is Standard configuration with two buffers.

OVERHEAD & PIT DEPTH

(Unit: mm)

Capacity (kg)	Speed (m/sec.)	Max. Travel (TR(m))	Overhead(OH)		Pit Depth (PP)
			EN81-1	EN81-20	
400~550	1.0	50	CH + 1330	CH + 1500	1150
	1.0	50	CH + 1330	CH + 1500	1150
	1.5	70	CH + 1470	CH + 1650	1250
630~1150	1.75	80	CH + 1550	CH + 1650	1300
	2.0	90	CH + 1820	CH + 1850	1500
	2.0	120	CH + 1820	CH + 1850	1500
700~1150	2.5	120	CH + 2200	CH + 2200	1700
	1.0	50	CH + 1350	CH + 1470	1280
	1.5	70	CH + 1500	CH + 1600	1370
1350~1600	1.75	80	CH + 1650	CH + 1680	1420
	2.0	120	CH + 1850	CH + 1850	1600
	2.5	120	CH + 2150	CH + 2150	1800
1800~2500	1.0	45	CH + 1700	CH + 1700	1400
	1.5	90	CH + 1830	CH + 1830	1600
	1.75	90	CH + 1910	CH + 1910	1650

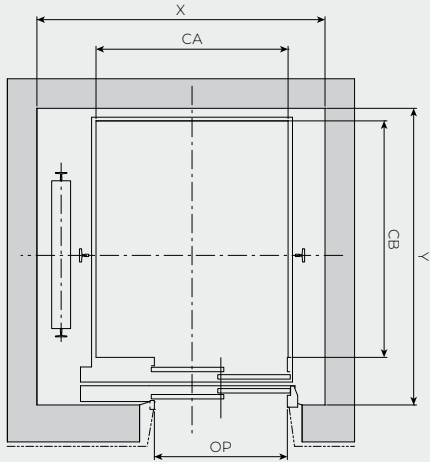
- ◀ Notes
1. The OH data is based on CH=2500.
 2. This table of dimensions is for EN81-20 & EN81-1 compliant. For other standards, please contact us.
 3. To apply with the safety gear on counterweight side, Hoistway Width, OH and PIT should be increased. Please contact us.

*By others: To be built by the building owner

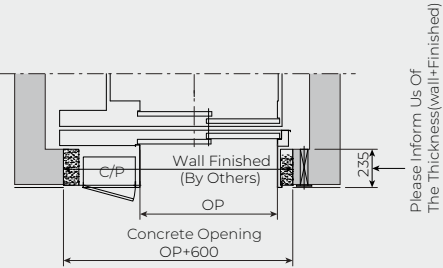
INSTALLATION LAYOUT PLAN

YZER-1 (1.0~2.5 m/sec., 2S-SO)

PLAN OF HOISTWAY

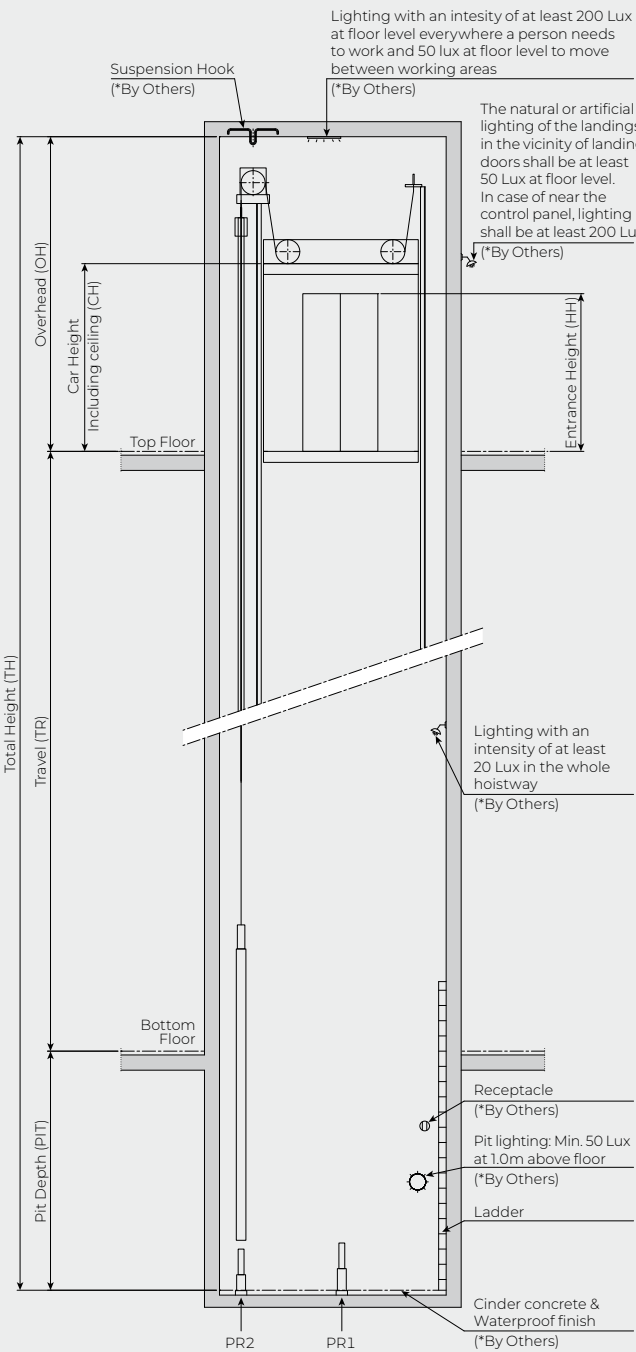


TYPICAL FLOORS



TOP FLOOR

SECTION OF HOISTWAY



*By others: To be built by the building owner

STANDARD DIMENSIONS

YZER-1 (1.0~2.5 m/sec., 2S-SO)

STANDARD DIMENSIONS & REACTIONS

(Unit: mm)

Capacity		Speed (m/sec.)	Opening Type	Clear Opening	Car Insize (mm)	Hoistway Insize (mm)	Pit Reaction (kN)	
Persons	kg			OP	CA × CB	X × Y	PR1	PR2
5	400	1.0	2S-SO	800	1000 × 1100	1630 × 1550	67	54
6	450	1.0		800	1100 × 1100	1730 × 1550		
7	550	1.0		800	1100 × 1300	1730 × 1700		
8	630	1.0~2.0		900	1100 × 1400	1730 × 1800	82	66
9	700	1.0~2.0		900	1200 × 1400	1830 × 1800		
10	800	1.0~2.5		900	1300 × 1400	1930 × 1800		
12	900	1.0~2.5		900	1300 × 1600	1930 ×2000	92	72
13	1000	1.0~2.0		900	1100 × 2100	1730 × 2500		
		2.5				1760 × 2600		
15	1150	1.0~2.5		1000	1200 × 2200	1830 × 2650	102	79
		1.0~1.5		1100	1300 × 2300	2050 × 2750	124	104
18	1350	1.75				2050 × 2750		
		2.0~2.5				2050 × 2750		
		1.0		1200	1400 × 2400	2150 × 2850	140	115
21	1600	1.5~1.75				2150 × 2850		
		2.0~2.5				2150 × 2850		
24	1800	1	1200	1500 × 2500	2250 × 2950	160	124	
		1.5~1.75						
		1	1300	1600 × 2500	2350 × 2950	175	134	
26	2000	1.5~1.75						
33	2500	1.0~1.75	1400	1800 × 2700	2550 × 3150	200	150	

- ▲ Notes
1. The above table of dimensions is as per EN81-20. In case of EN81-1 or other country codes, please contact us.
 2. The persons is calculated at 75 kg per person, as required by EN81-20.
 3. In case of through type (two entrances at 180 degrees), please contact us.
 4. If counterweight safety gear is requested, please contact us.
 5. The MIN.Dimension of wall thickness + finished thickness size for CP100 jamb is 235mm.
 6. The Hoistway dimensions width & depth are based on clear dimension +50 mm horizontal tolerances over the total hoistway height.
 7. The car and counterweight of 1800 kg~2500 kg is Standard configuration with two buffers.

OVERHEAD & PIT DEPTH

(Unit: mm)

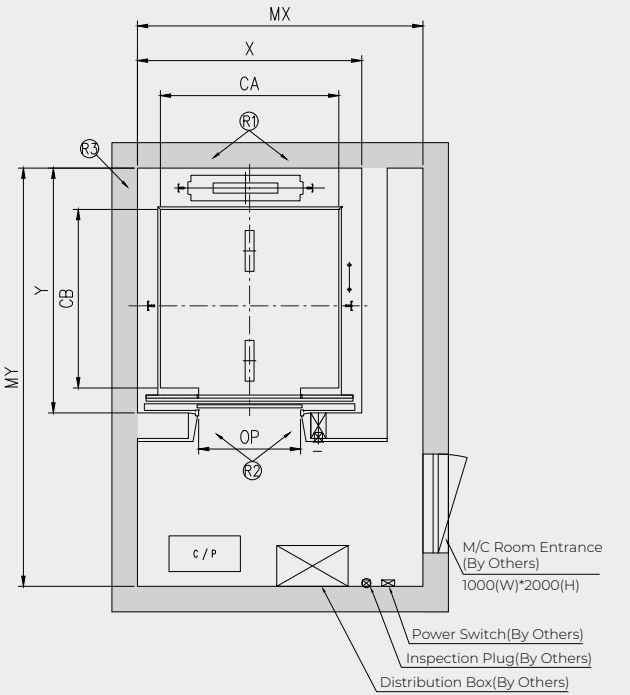
Capacity (kg)	Speed (m/sec.)	Max. Travel (TR(m))	Overhead(OH)		Pit Depth (PP)
			EN81-1	EN81-20	
400~550	1.0	50	CH + 1330	CH + 1500	1150
	1.0	50	CH + 1330	CH + 1500	1150
630~1150	1.5	70	CH + 1470	CH + 1650	1250
	1.75	80	CH + 1550	CH + 1650	1300
630	2.0	90	CH + 1820	CH + 1850	1500
700~1150	2.0	120	CH + 1820	CH + 1850	1500
800~1150	2.5	120	CH + 2200	CH + 2200	1700
	1.0	50	CH + 1350	CH + 1470	1280
1350~1600	1.5	70	CH + 1500	CH + 1600	1370
	1.75	80	CH + 1650	CH + 1680	1420
	2.0	120	CH + 1850	CH + 1850	1600
	2.5	120	CH + 2150	CH + 2150	1800
1800~2500	1.0	45	CH + 1700	CH + 1700	1400
	1.5	90	CH + 1830	CH + 1830	1600
	1.75	90	CH + 1910	CH + 1910	1650

- ◀ Notes
1. The OH data is based on CH=2500.
 2. This table of dimensions is for EN81-20 & EN81-1 compliant. For other standards, please contact us.
 3. To apply with the safety gear on counterweight side, Hoistway Width, OH and PIT should be increased. Please contact us.

INSTALLATION LAYOUT PLAN

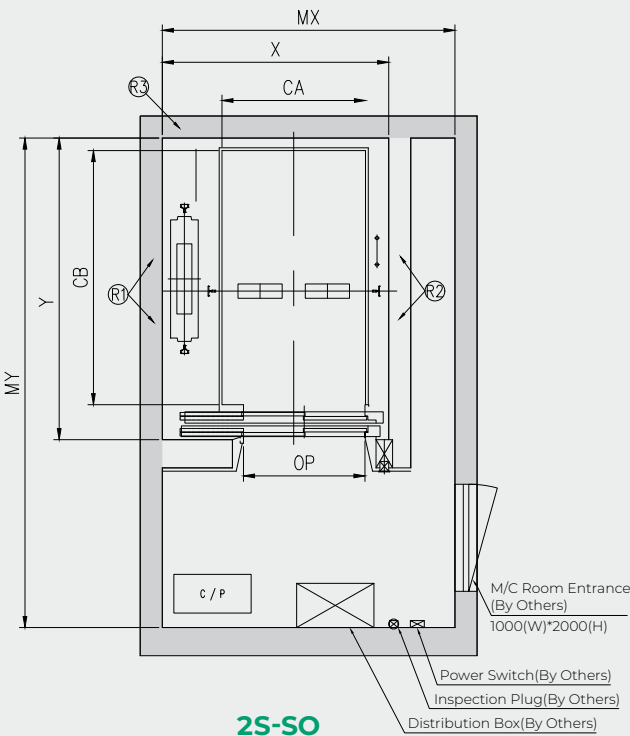
LUXEN-1 (1.0~2.5 m/sec.)

PLAN OF HOISTWAY



1S-CO

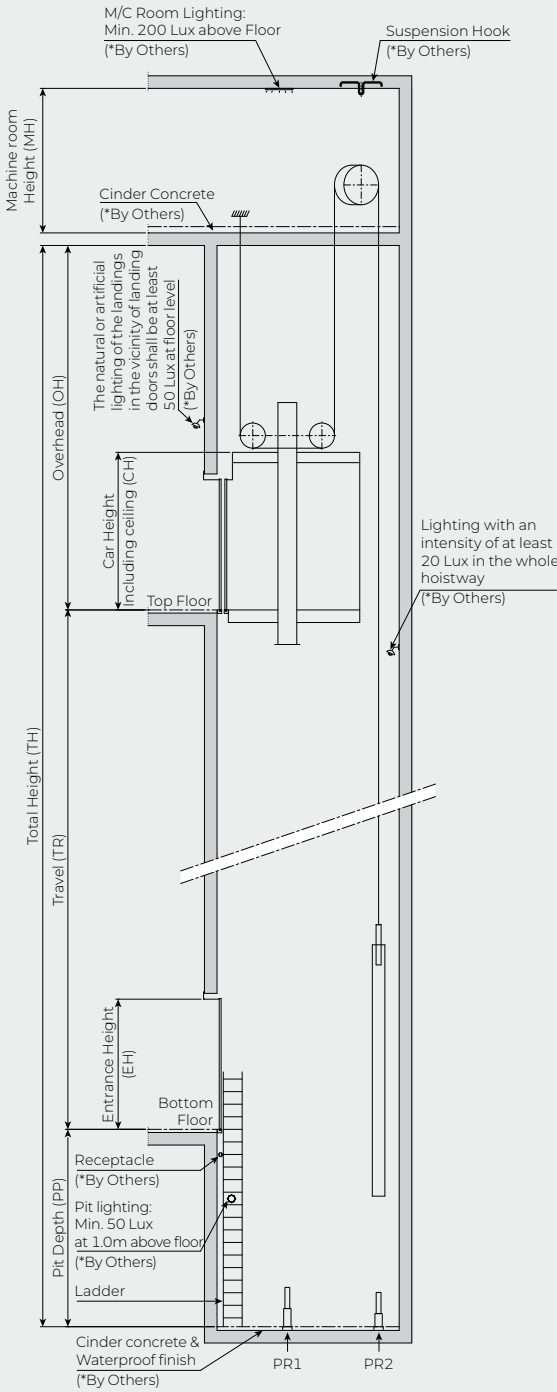
▲ Notes Angle of car sheave can be changed depending on the car size.



2S-SO

*By others: To be built by the building owner

SECTION OF HOISTWAY



STANDARD DIMENSIONS

LUXEN-1 (1.0~2.5 m/sec.)

STANDARD DIMENSIONS & REACTIONS

(Unit: mm)

Capacity		Speed (m/sec.)	Opening Type	Door Width (mm) OP	CWT Drop	Car Insize (mm)	Hoistway Insize (mm)	Machine Room Size (mm)	M/C Room Reaction (kN)			Pit Reaction (kN)	
Persons	kg					CA × CB	X × Y	MX × MY	R1	R2	R3	PR1	PR2
6	450	1.0~1.75	1S-CO	700	Rear	1000 × 1250	1600 × 1800	2300 × 3500	44	23		67	54
7	550	1.0~1.75		800	Side	1100 × 1300	1850 × 1700	2550 × 3400	49	26		67	54
7	550	1.0~1.75		800	Rear	1100 × 1300	1750 × 1850	2450 × 3550	49	26		67	54
8	630	1.0~1.75		800	Side	1100 × 1400	1850 × 1750	2550 × 3450	55	23		67	54
8	630	1.0~1.75		800	Rear	1100 × 1400	1750 × 1950	2450 × 3650	55	23		67	54
10	800	1.0~2.0		800	Side	1100 × 1800	1850 × 2130	2550 × 3830	64	27		82	66
10	800	2.5		800	Rear	1300 × 1400	1750 × 1950	2450 × 3650	64	27		82	66
13	1000	1.0~2.0		900	Side	1100 × 2100	1950 × 2430	2650 × 4130	75	30		92	72
13	1000	2.5		900	Rear	1600 × 1400	2000 × 1950	2700 × 3650	75	30		92	72
15	1150	1.0~2.0		1000	Side	1250 × 2100	2150 × 2430	2850 × 4130	84	41		102	79
15	1150	2.5	2S-SO	1000	Rear	1800 × 1400	2200 × 1950	2900 × 3650	84	41		102	79
18	1350	1.0~2.5		1000	Side	1300 × 2300	2270 × 2650	2970 × 4350	110	62		124	104
18	1350	1.0~2.5		1000	Rear	1750 × 1750	2200 × 2400	2900 × 4100	110	62		124	104
21	1600	1.0~2.5		1100	Side	1500 × 2300	2470 × 2650	3170 × 4350	119	62	7	140	115
21	1600	1.0~2.5		1100	Rear	2000 × 1750	2400 × 2400	3100 × 4100	119	62	7	140	115
24	1800	1.0~1.75		1200	Side	1500 × 2500	2650 × 2900	3350 × 4600	123	68	10	160	124
24	1800	1.0~1.75		1200	Rear	2100 × 1800	2650 × 2450	3350 × 4150	123	68	10	160	124
26	2000	1.0~1.75		1200	Side	1600 × 2500	2700 × 2900	3400 × 4600	131	73	11	175	134
26	2000	1.0~1.75		1200	Rear	2100 × 1900	2650 × 2550	3350 × 4250	131	73	11	175	134
6	450	1.0~1.75		800	Rear	1000 × 1250	1550 × 1870	2250 × 3570	44	23		67	54
7	550	1.0~1.75	2S-SO	800	Side	1100 × 1300	1750 × 1750	2450 × 3450	49	26		67	54
7	550	1.0~1.75		800	Rear	1100 × 1300	1550 × 1920	2250 × 3620	49	26		67	54
8	630	1.0~1.75		800	Side	1100 × 1400	1750 × 1810	2450 × 3510	55	23		67	54
8	630	1.0~1.75		800	Rear	1100 × 1400	1550 × 2020	2250 × 3720	55	23		67	54
10	800	1.0~2.5		900	Side	1100 × 1700	1750 × 2110	2450 × 3810	64	27		82	66
10	800	1.0~2.5		900	Rear	1300 × 1400	1750 × 2020	2450 × 3720	64	27		82	66
13	1000	1.0~2.5		900	Side	1100 × 2100	1750 × 2510	2450 × 4210	75	30		92	72
13	1000	1.0~2.5		900	Rear	1600 × 1400	2050 × 2020	2750 × 3720	75	30		92	72
15	1150	1.0~2.5		1000	Side	1200 × 2100	1850 × 2510	2550 × 4210	84	41		102	79
15	1150	1.0~2.5		1000	Rear	1800 × 1400	2250 × 2020	2950 × 3720	84	41		102	79
18	1350	1.0~2.5	2S-SO	1100	Side	1300 × 2300	2050 × 2730	2750 × 4430	110	62		124	104
21	1600	1.0~2.5		1200	Side	1500 × 2300	2250 × 2730	2950 × 4430	119	62	7	140	115
24	1800	1.0~1.75		1200	Side	1500 × 2500	2400 × 2950	3100 × 4650	123	68	10	160	124
26	2000	1.0~1.75		1200	Side	1600 × 2500	2500 × 2950	3200 × 4650	131	73	11	175	134

- ▲ Notes
1. The above table of dimensions is as per EN81-20, In case of EN81-1 applied or other country codes, Please contact us.
 2. The persons is calculated at 75 kg per person, as required by EN81-20
 3. In case of through type (two entrances at 180 degrees), please contact us.
 4. If counterweight safety gear is requested, please contact us.
 5. The Hoistway dimensions width & depth are based on clear dimension +50 mm horizontal tolerances over the total hoistway height.
 6. The optional hoistway size applying the special structure. Please contact us for the details.

OVERHEAD & PIT DEPTH (EN81-20/50)

(Unit: mm)

Capacity (kg)	Speed (m/sec.)	Overhead(OH)		Pit Depth (PP)
		Balustrade Height 700	Balustrade Height 1100	
450	1.0	4900	4900	1700
	1.5	5000	5000	1750
	1.75	5050	5050	1800
630	1.0	4900	4900	1200
Double	1.5	5000	5000	1250
Entrance	1.75	5050	5050	1300
550 -1150	1.0	4050	4250	1200
(Except	1.5	4150	4350	1250
630kg	1.75	4250	4450	1300
Double	2.0	4350	4550	1400
Entrance)	2.5	4600	4800	1700
1350-16000	1.0	4350	4350	1400
	1.5	4500	4500	1500
	1.75	4550	4550	1500
	2.0	4650	4650	1550
	2.5	4900	4900	1900
1800-2000	1.0	4400	4400	1400
	1.5	4450	4450	1500
	1.75	4550	4550	1500
	2.0	4650	4650	1550

- ▲ Notes
1. CH means the Ceiling Height including the car internal ceiling height.
 2. This table of dimensions is for EN81-20 & EN81-1 compliant. For other standards, please contact us.
 3. If car roof trap door is applied, the OH can increase.
 4. If RGS(Roller Guide Shoe) is applied as an option, the OH & Pit height can increase.
 5. To apply with the safety gear on counterweight side, Hoistway Width, OH and PIT should be increased. Please contact us.

OVERHEAD & PIT DEPTH (GB7588-2030, EN81-1)

(Unit: mm)

Capacity (kg)	Speed (m/sec.)	Overhead(OH)		Pit Depth (PP)
		Balustrade Height 700	Balustrade Height 1100	
450-1150	1.0	4000	4250	1200
	1.5	4100	4350	1250
	1.75	4200	4450	1300
	2.0	4300	4550	1400
1350-1600	2.5	4550	4800	1700
	1.0	4300	4300	1400
	1.5	4400	4400	1500
	1.75	4450	4450	1500
1800-2000	2.0	4550	4550	1550
	2.5	4750	4750	1900
	1.0	4300	4300	1400
	1.5	4400	4400	1500
	1.75	4500	4500	1500
	2.0	4600	4600	1550

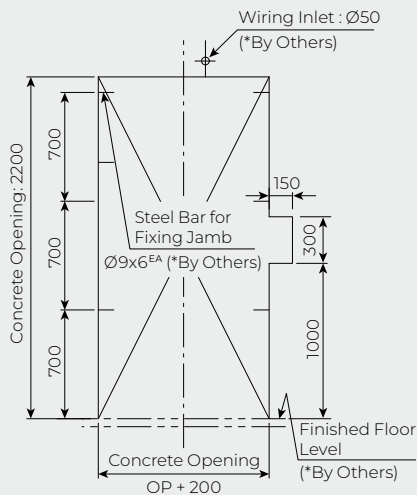
ENTRANCE LAYOUT

ENTRANCE

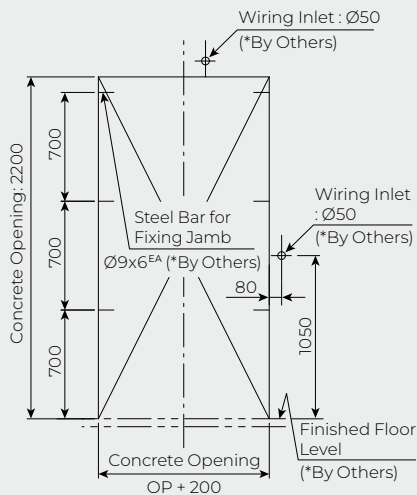


JP50 TYPE (STANDARD)

STRUCTURAL OPENING OF ENTRANCE



BOX TYPE



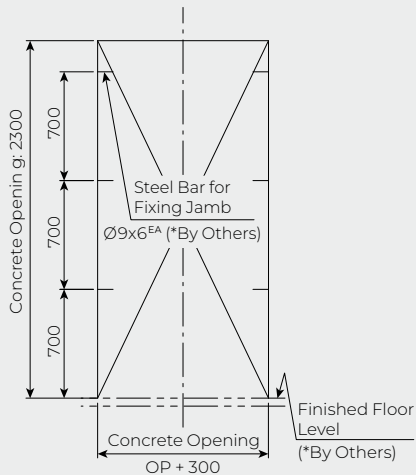
BOXLESS TYPE

ENTRANCE

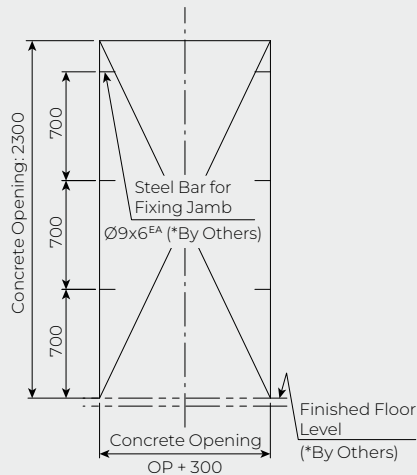


JP120 TYPE (OPTIONAL)

STRUCTURAL OPENING OF ENTRANCE



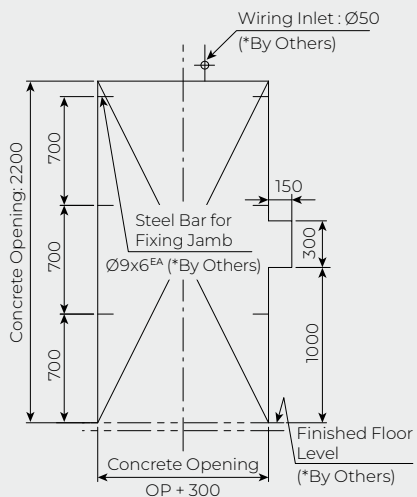
BOX TYPE



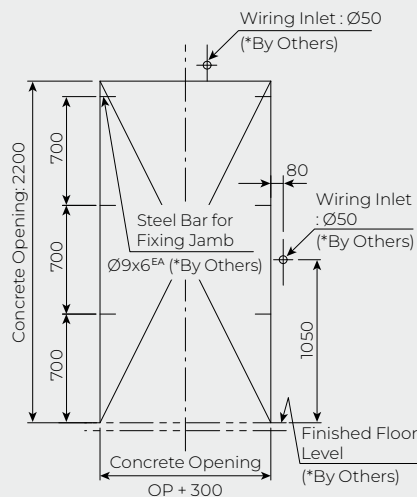
BOXLESS TYPE



JP100 TYPE (OPTIONAL)



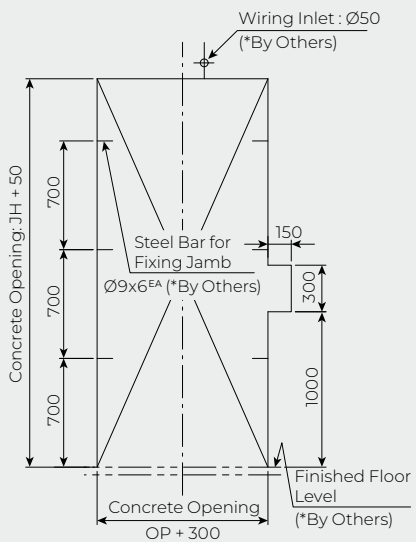
BOX TYPE



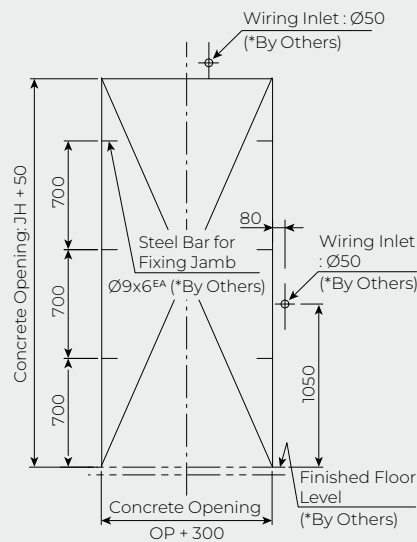
BOXLESS TYPE



JP200U TYPE (OPTIONAL)



BOX TYPE



BOXLESS TYPE

*By others: To be built by the building owner

Notes Pit Reset S/W is only required if EN81-20 is applied.

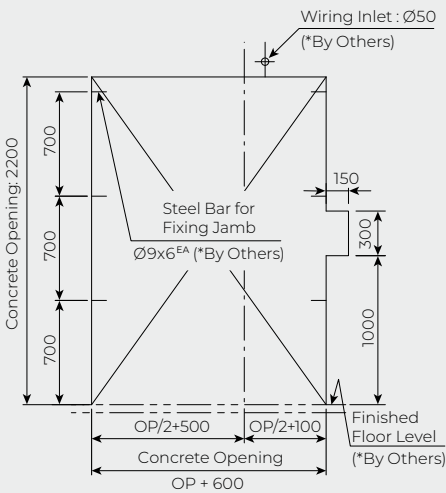
ENTRANCE LAYOUT

ENTRANCE

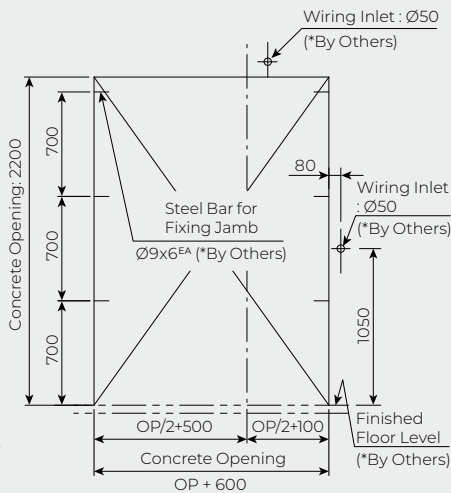


CP100 TYPE (STANDARD)

STRUCTURAL OPENING OF ENTRANCE



BOX TYPE



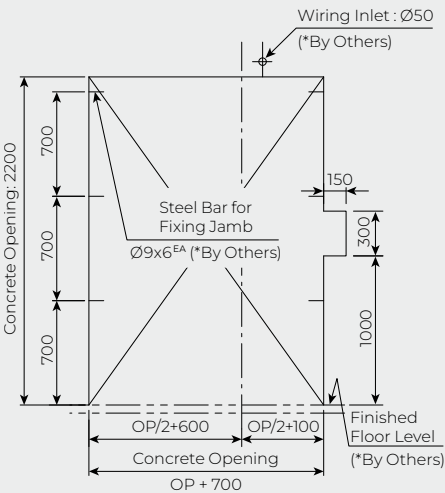
BOXLESS TYPE

ENTRANCE

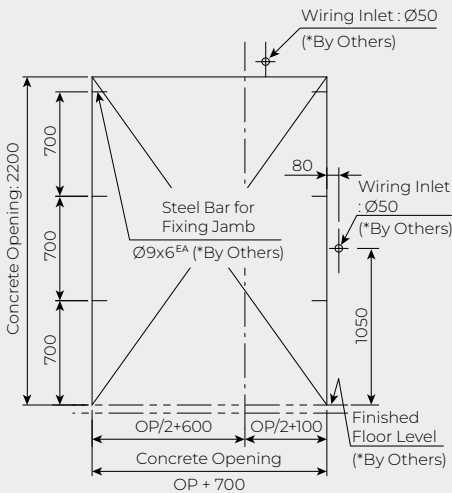


JP50 TYPE
(CP INDEPENDENT TYPE)

STRUCTURAL OPENING OF ENTRANCE



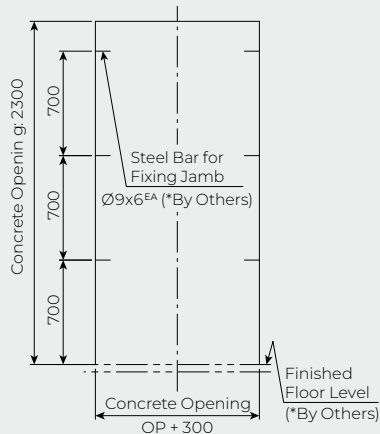
BOX TYPE



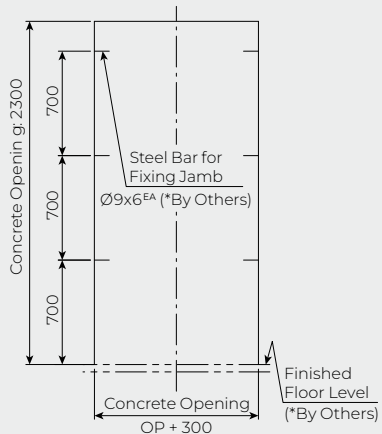
BOXLESS TYPE



CP120 TYPE (OPTIONAL)



BOX TYPE



BOXLESS TYPE

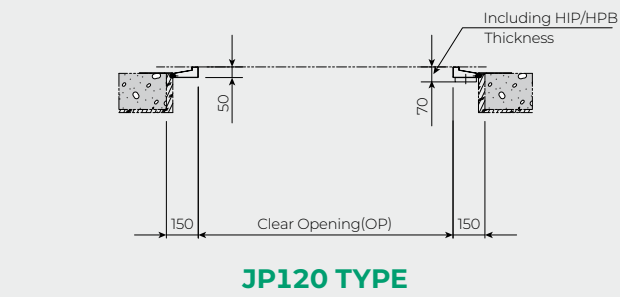
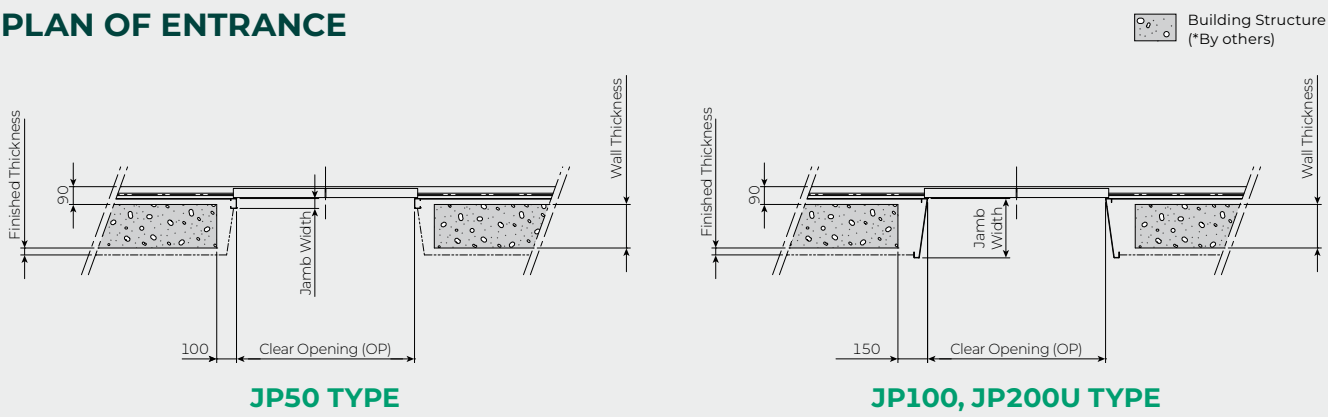
*By others: To be built by the building owner

Notes In case of CP120 type with installed CP in hoistway, Remote control box size is based on EN81-20. If EN81-1 is applied, please consult with us.

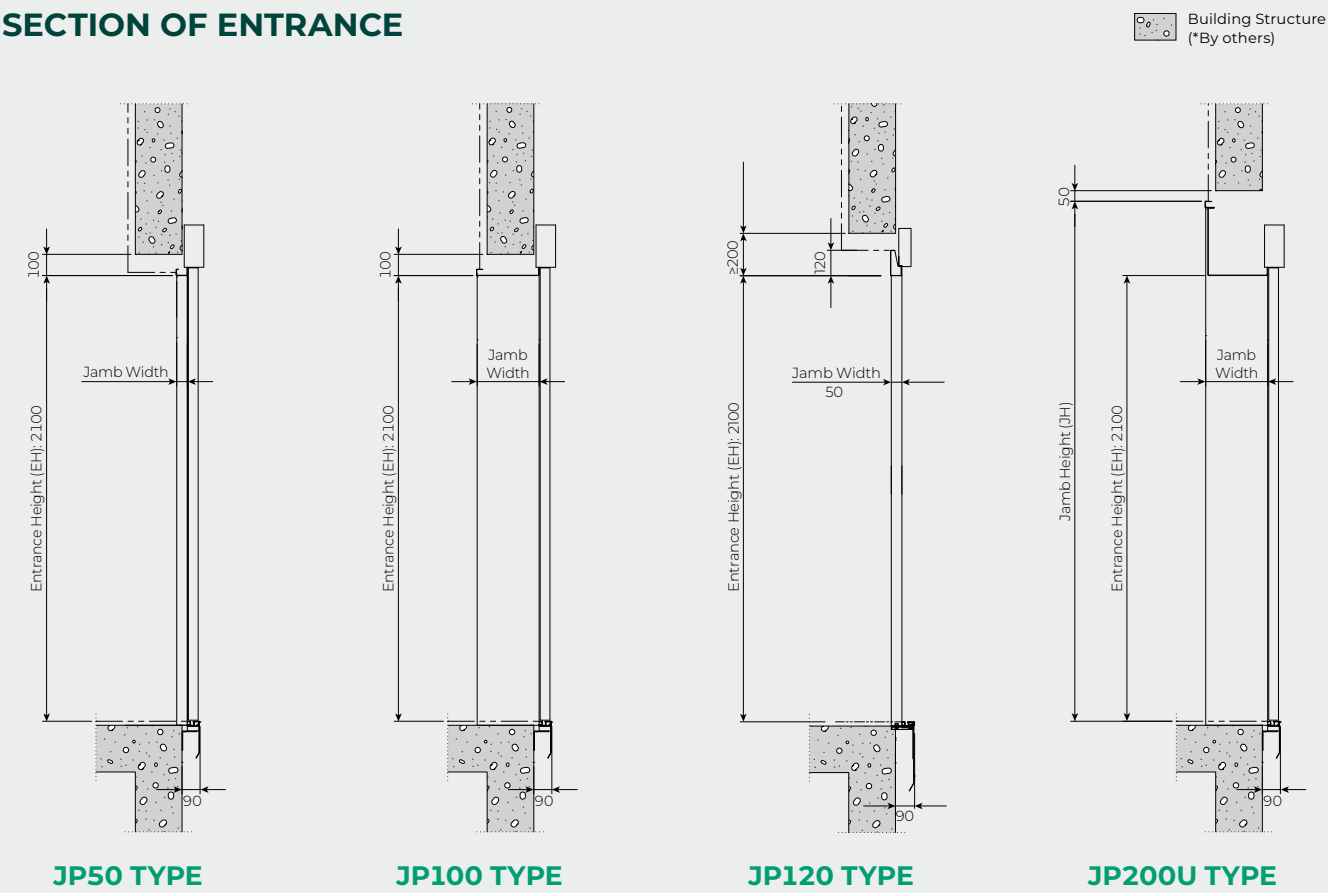
ENTRANCE LAYOUT

2-Panel Center-Opening Doors (1S-CO)

PLAN OF ENTRANCE



SECTION OF ENTRANCE

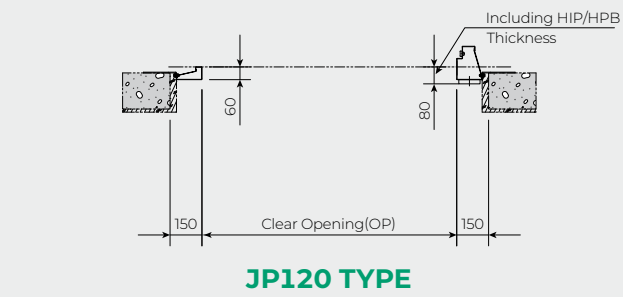
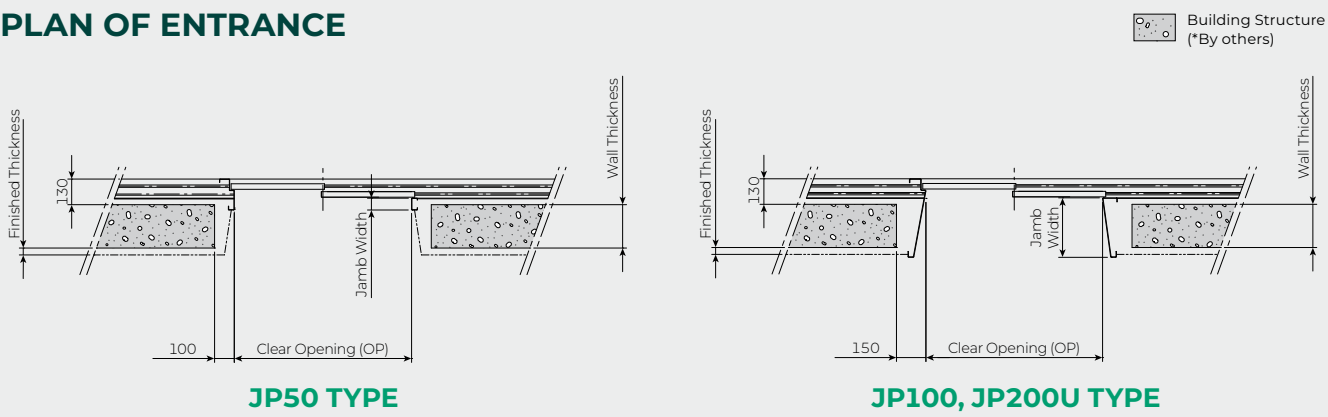


*By others: To be built by the building owner

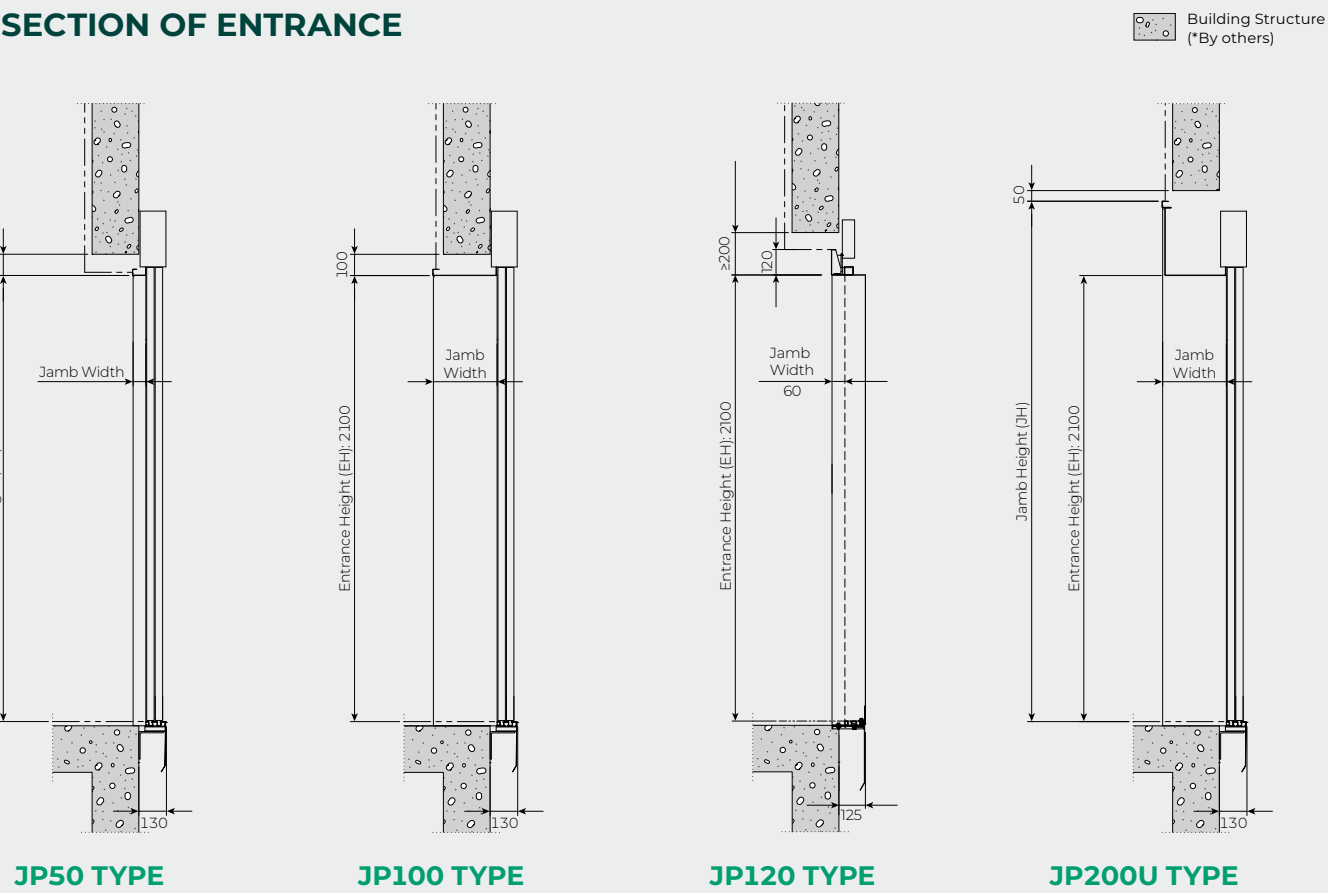
ENTRANCE LAYOUT

2-Panel Side-Opening Doors (2S-SO)

PLAN OF ENTRANCE



SECTION OF ENTRANCE



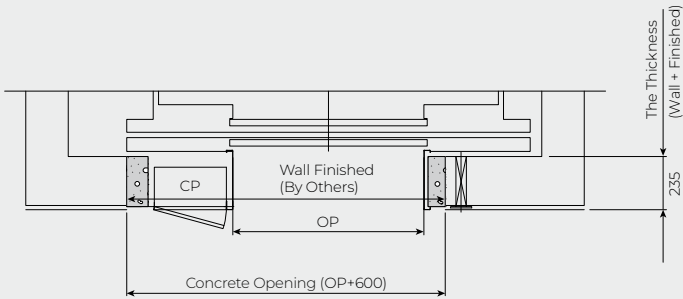
*By others: To be built by the building owner

ENTRANCE LAYOUT

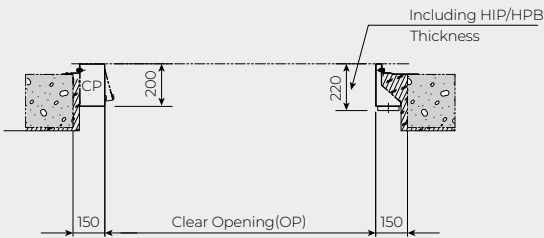
2-PANEL CENTER-OPENING DOORS (1S-CO, MRL)

PLAN OF ENTRANCE

Building Structure
(*By others)



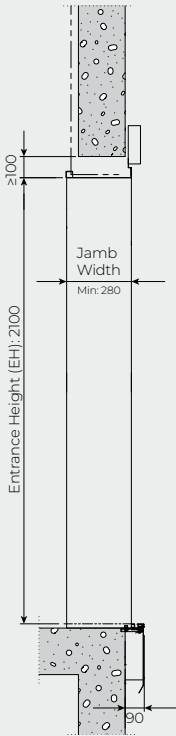
CP100 TYPE



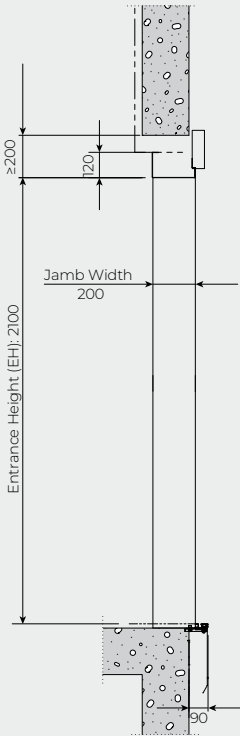
CP120 TYPE

SECTION OF ENTRANCE

Building Structure
(*By others)



CP100 TYPE



CP120 TYPE

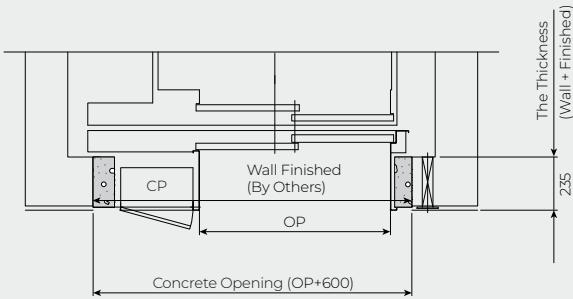
*By others: To be built by the building owner

ENTRANCE LAYOUT

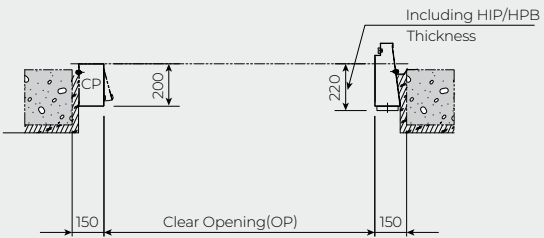
2-PANEL SIDE-OPENING DOORS (2S-SO, MRL)

PLAN OF ENTRANCE

Building Structure
(*By others)



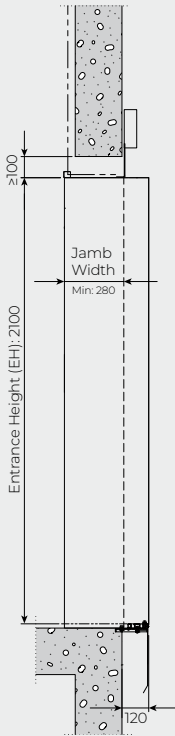
CP100 TYPE



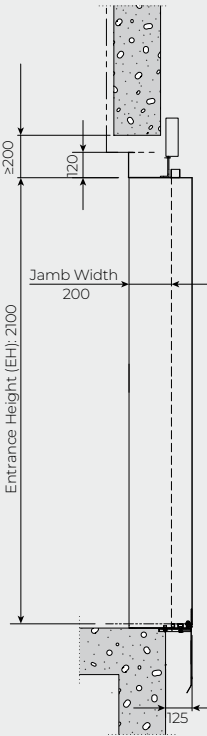
CP120 TYPE

SECTION OF ENTRANCE

Building Structure
(*By others)



CP100 TYPE



CP120 TYPE

*By others: To be built by the building owner

ELECTRIC POWER REQUIREMENTS

N:EX-1 (*By others)

POWER SUPPLY PLAN

Rated Load (kg)	Speed (m/min)	Motor Cap (kW)	INV Cap (kW)	Motor rated Cur (A)	MCB calculated Cur (A)	Lighting Cur (A)	Lighting cable (mm²)	AC220			AC380		
								NFB Cur	Min Power cable	Min earth cable	NFB Cur	Min Power cable	Min earth cable
								(A)	(mm²)	(mm²)	(A)	(mm²)	(mm²)
320	1	2.6	5.5	5.9	10.9	20	2.5	20	4	4	32	6	6
	1.5	3.8	9	9.5	14.9	20	2.5	20	4	4	63	10	10
	1.75	4.4	9	9.5	14.9	20	2.5	20	4	4	63	10	10
400	1	3.2	5.5	7.4	12.5	20	2.5	20	4	4	32	6	6
	1.5	4.7	9	11.9	17.5	20	2.5	20	4	4	63	10	10
	1.75	5.5	9	11.9	17.5	20	2.5	20	4	4	63	10	10
450	1	3.6	5.5	8.3	13.5	20	2.5	20	4	4	32	6	6
	1.5	5.3	9	13.4	19.1	20	2.5	20	4	4	63	10	10
	1.75	6.2	9	13.4	19.1	20	2.5	20	4	4	63	10	10
550	1	4.4	5.5	10.1	15.5	20	2.5	20	4	4	32	6	6
	1.5	6.5	9	16.5	22.6	20	2.5	32	4	4	63	10	10
	1.75	7.6	9	16.5	22.6	20	2.5	32	4	4	63	10	10
630	1	5.0	5.5	11.5	17.1	20	2.5	20	4	4	32	6	6
	1.5	7.5	9	19.0	25.3	20	2.5	32	4	4	63	10	10
	1.75	8.7	9	18.9	25.2	20	2.5	32	4	4	63	10	10
700	1	5.5	9	12.5	18.2	20	2.5	20	4	4	63	10	10
	1.5	8.3	14	20.0	26.4	20	2.5	32	6	6	63	16	16
	1.75	9.7	14	20.0	26.4	20	2.5	32	6	6	63	16	16
800	1	6.3	9	14.3	20.1	20	2.5	32	4	4	63	10	10
	1.5	9.4	14	22.5	29.2	20	2.5	32	6	6	63	16	16
	1.75	11.0	14	22.5	29.2	20	2.5	32	6	6	63	16	16
900	1	7.1	9	16.1	22.1	20	2.5	32	4	4	63	10	10
	1.5	10.6	14	25.3	32.2	20	2.5	40	6	6	63	16	16
	1.75	12.4	14	25.3	32.2	20	2.5	40	6	6	63	16	16
1000	1	7.9	9	17.9	24.1	20	2.5	32	4	4	63	10	10
	1.5	11.8	14	28.3	35.5	20	2.5	40	6	6	63	16	16
	1.75	13.8	14	28.3	35.5	20	2.5	40	6	6	63	16	16
1150	1	8.7	9	19.8	26.2	20	2.5	32	4	4	63	10	10
	1.5	13.0	17.5	33.5	41.3	20	2.5	50	10	10	80	25	16
	1.75	15.2	17.5	33.6	41.4	20	2.5	50	10	10	80	25	16

ELECTRIC POWER REQUIREMENTS

YZER-1 (*By Others)

POWER SUPPLY PLAN

Rated Load (kg)	Speed (m/min)	Motor Cap (kW)	INV Cap (kW)	Motor rated Cur (A)	MCB calculated Cur (A)	Lighting Cur (A)	Lighting cable (mm²)	AC208~230			AC380		
								NFB Cur	Min Power cable	Min earth cable	NFB Cur	Min Power cable	Min earth cable
								(A)	(mm²)	(mm²)	(A)	(mm²)	(mm²)
400	60	2.7	7.5	6.9	12.0	20	2.5	32	6	6	63	10	10
450	60	3.0	7.5	7.8	13.0	20	2.5	32	6	6	63	10	10
550	60	3.7	7.5	9.5	14.9	20	2.5	32	6	6	63	10	10
630	60	4.2	7.5	10.6	16.1	20	2.5	32	6	6	63	10	10
	90	6.3	7.5	18	24.2	20	2.5	32	6	6	63	10	10
	105	7.4	7.5	18	24.2	20	2.5	32	6	6	63	10	10
	120	9.8	11	22.4	29.0	20	2.5	32	6	6	63	16	16
700	60	4.7	7.5	12.0	17.6	20	2.5	32	6	6	63	10	10
	90	7	11	19.5	25.9	20	2.5	32	6	6	63	16	16
	105	8.2	11	19.5	25.9	20	2.5	32	6	6	63	16	16
	120	10.3	11	23.5	30.3	20	2.5	32	6	6	63	16	16
800	60	5.3	7.5	13.5	19.3	20	2.5	32	6	6	63	10	10
	90	8.0	11	22.5	29.2	20	2.5	32	6	6	63	16	16
	105	9.4	11	22.5	29.2	20	2.5	32	6	6	63	16	16
	120	10.7	11	24.5	31.4	20	2.5	32	6	6	63	16	16
900	150	14.7	15	34	41.8	20	2.5	50	10	10	80	25	16
	60	6.0	7.5	15.5	21.5	20	2.5	32	6	6	63	10	10
	90	9.0	15	25.2	32.1	20	2.5	40	10	10	80	25	16
	105	10.5	15	25.2	32.1	20	2.5	40	10	10	80	25	16
1000	120	12.7	15	27	34.1	20	2.5	40	10	10	80	25	16
	150	14.9	15	34.4	42.2	20	2.5	50	10	10	80	25	16
	60	6.7	7.5	17.0	23.1	20	2.5	32	6	6	63	10	10
	90	10.0	15	28.0	35.2	20	2.5	40	10	10	80	25	16
1150	105	11.7	15	28.0	35.2	20	2.5	40	10	10	80	25	16
	120	13.9	15	29.6	37.0	20	2.5	40	10	10	80	25	16
	150	17.9	22	41.5	50.1	20	2.5	63	16	16	100	35	16
	60	7.7	11	18.9	25.2	20	2.5	32	6	6	63	16	16
1350	90	11.5	15	31.0	38.5	20	2.5	40	10	10	80	25	16
	105	13.5	15	31.0	38.5	20	2.5	40	10	10	80	25	16
	120	14.1	15	30	37.4	20	2.5	40	10	10	80	25	16
	150	18.8	22	43.5	52.3	20	2.5	63	16	16	100	35	16
1600	60	9.2	11	22.8	29.5	20	2.5	32	6	6	63	16	16
	90	13.8	15	33	40.7	20	2.5	50	10	10	80	25	16
	105	16.1	22	36.8	44.9	20	2.5	63	16	16	100	35	16
	120	17.6	22	40.3	48.7	20	2.5	63	16	16	100	35	16
1800	150	22.1	30	51	60.5	20	2.5	80	25	16	125	50	25
	60	10.8	15	27	34.1	20	2.5	40	10	10	80	25	16
	90	16.3	22	39	47.3	20	2.5	63	16	16	100	35	16
	105	19.0	22	43.5	52.3	20	2.5	63	16	16	100	35	16
2000	120	20.8	22	47.8	57.0	20	2.5	63	16	16	100	35	16
	150	26.0	30	60	70.4	20	2.5	80	25	16	125	50	25
	60	12.1	15	27	34.1	20	2.5	40	10	10	80	25	16
	90	18.1	22	46	55.0	20	2.5	63	16	16	100	35	16
2500	105	21.1	22	46	55.0	20	2.5	63	16	16	100	35	16
	60	13.4	15	30	37.4	20	2.5	40	10	10	80	25	16
	90	20.1	30	51	60.5	20	2.5	80	25	16	125	50	25
	105	23.4	30	51	60.5	20	2.5	80	25	16	125	50	25
	60	16.7	22	36	44.0	20	2.5	63	16	16	100	35	16
	90	25.1	30	60	70.4	20	2.5	80	25	16	125	50	25
	105	29.3	30	60	70.4	20	2.5	80	25	16	125	50	25

ELECTRIC POWER REQUIREMENTS

LUXEN-1 (*By Others)

POWER SUPPLY PLAN

Rated Load (kg)	Speed (m/min)	Motor Cap (kW)	INV Cap (kW)	Motor rated Cur (A)	MCB calculated Cur (A)	Lighting Cur (A)	Lighting cable (mm²)	AC208~230			AC380		
								NFB Cur	Min Power cable	Min earth cable	NFB Cur	Min Power cable	Min earth cable
								(A)	(mm²)	(mm²)	(A)	(mm²)	(mm²)
450	60	5	7.5	11.5	17.1	20	2.5	32	6	6	63	10	10
	90	7.8	11	21	27.5	20	2.5	32	6	6	63	16	16
	105	9	11	21	27.5	20	2.5	32	6	6	63	16	16
550	60	5	7.5	11.5	17.1	20	2.5	32	6	6	63	10	10
	90	7.8	11	21	27.5	20	2.5	32	6	6	63	16	16
	105	9	11	21	27.5	20	2.5	32	6	6	63	16	16
630	60	5	7.5	11.5	17.1	20	2.5	32	6	6	63	10	10
	90	7.8	11	21	27.5	20	2.5	32	6	6	63	16	16
	105	9	11	21	27.5	20	2.5	32	6	6	63	16	16
800	60	5	7.5	11.5	17.1	20	2.5	32	6	6	63	10	10
	90	7.8	11	21	27.5	20	2.5	32	6	6	63	16	16
	105	9	11	21	27.5	20	2.5	32	6	6	63	16	16
	120	13.4	15	30.2	37.6	20	2.5	40	10	10	80	25	16
	150	12.3	15	27.5	34.7	20	2.5	40	10	10	80	25	16
1000	60	6	7.5	14	19.8	20	2.5	32	6	6	63	10	10
	90	10	15	26	33.0	20	2.5	40	10	10	80	25	16
	105	11.7	15	26	33.0	20	2.5	40	10	10	80	25	16
	120	13.4	15	30.2	37.6	20	2.5	40	10	10	80	25	16
	150	15.4	22	34	41.8	20	2.5	63	16	16	100	35	16
1150	60	7.1	7.5	17.1	23.2	20	2.5	32	6	6	63	10	10
	90	10.6	15	30.2	37.6	20	2.5	40	10	10	80	25	16
	105	12.3	15	30	37.4	20	2.5	40	10	10	80	25	16
	120	14.1	15	30.3	37.7	20	2.5	40	10	10	80	25	16
	150	17.7	22	39.5	47.9	20	2.5	63	16	16	100	35	16
1350	60	8.8	11	20	26.4	20	2.5	32	6	6	63	16	16
	90	13.2	15	33.5	41.3	20	2.5	50	10	10	80	25	16
	105	15.4	22	33.5	41.3	20	2.5	63	16	16	100	35	16
	120	17.6	22	48.5	57.8	20	2.5	63	16	16	100	35	16
	150	22	22	48.5	57.8	20	2.5	63	16	16	100	35	16
1600	60	10.5	11	24	30.8	20	2.5	32	6	6	63	16	16
	90	15.7	22	40	48.4	20	2.5	63	16	16	100	35	16
	105	18.3	22	40	48.4	20	2.5	63	16	16	100	35	16
	120	20.9	30	58	68.2	20	2.5	80	25	16	125	50	25
	150	26.1	30	58	68.2	20	2.5	80	25	16	125	50	25
1800	60	11.8	15	26.6	33.7	20	2.5	40	10	10	80	25	16
	90	17.7	22	43.7	52.5	20	2.5	63	16	16	100	35	16
	105	20.6	22	54	63.8	20	2.5	63	16	16	100	35	16
	120	23.5	30	54	63.8	20	2.5	80	25	16	125	50	25
	60	13.1	15	28	35.2	20	2.5	40	10	10	80	25	16
2000	90	19.6	22	48.5	57.8	20	2.5	63	16	16	100	35	16
	105	22.9	30	59.5	69.9	20	2.5	80	25	16	125	50	25
	120	26.1	30	59.5	69.9	20	2.5	80	25	16	125	50	25

WORK TO BE DONE BY OTHERS

CONSTRUCTION WORK

HOISTWAY

- 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)
- Installation of steel frame to fix the left / right jambs on the entrance.
- Installation of ladder for pit inspection where there the pit depth not exceeding 2.5 m.
- Installation of Pit access door where the pit depth exceeds 2.5 m.
- Access door size: Min. 600 mm (W) × Min. 2000 mm (H)
- Waterproofing work inside the pit and finishing work after installation of the buffer.
- Installation of hoistway partitions or separating beams. (If necessary)
- Removing various tie pins and molds.

- Others. (items indicated on the layout plan)
- Construction of concrete structures (thickness of 150 mm or above) or steel structures to fix the rail brackets.
- Destruction and finishing of concrete structures that are not constructed as indicated on the layout plan.
- Installation of lifting beam or hook that is designed to lift the machine to the top of hoistway.

MACHINE ROOM (MR)

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

ELECTRIC WORK

HOISTWAY

- The natural or artificial lighting of the landings in the vicinity of landing doors shall be at least 50 lux at floor level.
- 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.
- Lighting with an intensity of at least 20 lux in the whole hoistway.
- 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))
- Piping and wiring work when CCTV is installed.
- Others. (items indicated on the layout plan)
- Wiring work on power system within the hoistway for supplying power and lighting. (Refer to the layout plan for electrical power requirements.)
- 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.)
- Construction for power supply to maintain the voltage regulation of distribution source within ±5% to and lighting within ±2%.
- Piping and wiring work on lighting outlet for pit inspection.
- Supplying power needed during installation and commissioning free of charge.
- 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)

- Piping and wiring work outside the hoistway for the installation of emergency call equipment (intercom) in a place other than the machine room.
- Construction of lighting and lighting outlets for inspection in machine room.
- Supplying power needed during installation and commissioning free of charge.
- Installation of lighting for power system and car, and construction of machine room incoming panel and its wiring for emergency power.
- 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)

- 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

- 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.
- Do not install ducts or pipes for other purposes (electricity, water, gas, hydrant) on the hoistway and walls inside the machine room.
- Lower part of pit should not be used as residence, pathway, or for other purposes.
- Power and voltage regulation should be within +5% to -5%.
- Temperature in machine room should be 40℃ and humidity should be 90% or below. Be sure to install the entilation 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 blue-print 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)



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