



ESCALATORS &
MOVING WALKS


HYUNDAI
ELEVATOR CO., LTD.

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WHY HYUNDAI ELEVATOR? |||

Hyundai Elevator's escalators and moving walks offer plans, designs, and space efficiency that deliver greater satisfaction.

HYUNDAI ELEVATOR'S ESCALATORS AND MOVING WALKS ARE CONSTANTLY EVOLVING AS THE COMPANY STRIVES TO BE NO. 1 IN TERMS OF QUALITY. IN ITS QUEST TO BECOME THE WORLD'S LEADING BRAND, IT MANUFACTURES AND SUPPLIES EXCEPTIONAL PRODUCTS THAT MEET CUSTOMERS' NEEDS FOR COMFORT, EFFICIENCY, SAFETY AND QUALITY WHILE HELPING TO CREATE A SUSTAINABLE WORLD.



S Series Escalators

S Series Escalators feature a smooth and compact design based on a conventional system that uses a single drive station installed at the top of the truss to maximize space efficiency. It is ideal for hotels, shopping centers, banks, and office buildings.

S SERIES ESCALATORS

- 1 S Series Escalator (30°) Vertical Rise ≤ 10 m / S-BT2
- 2 S Series Escalator (35°) Vertical Rise ≤ 6 m / S-BT2



▲ Bandar Utama Centrepoint (Malaysia)



▲ Dongdaegu Complex Transfer Terminal (Korea)

SM Series Moving Walks

SM Series Moving walks can be installed horizontally, in gradients of up to 12 degrees, or any combination thereof. They are widely used in a variety of buildings and facilities, including supermarkets, subway and railroad stations, sports stadiums, and department stores, to offer customers and users a new dimension of convenience and satisfaction.

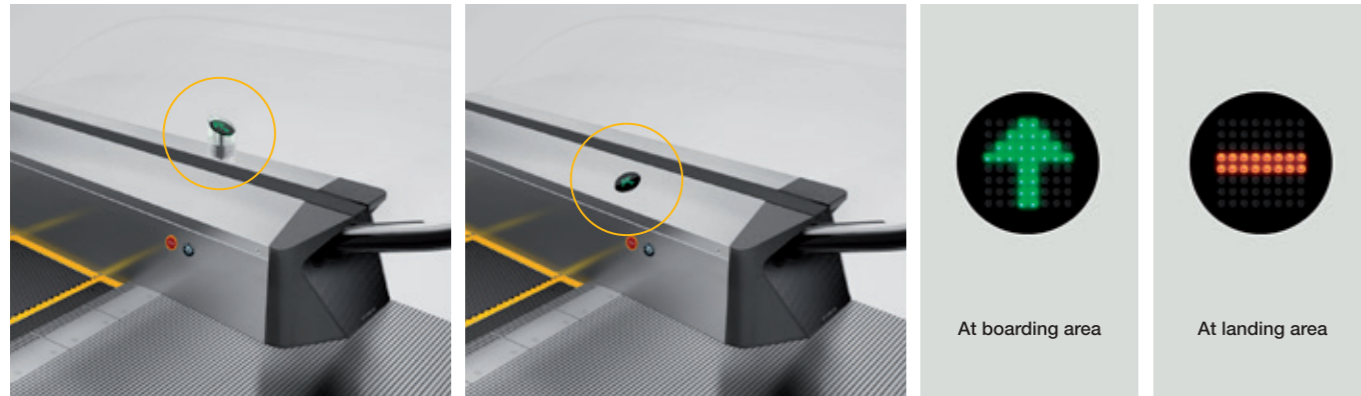
SM SERIES MOVING WALKS

- 1 SM Series Moving walks (0°) Horizontal Type / SM-BT
- 2 SM Series Moving walks (12°) Inclined Type / SM-BT
- 3 SM Series Moving walks (12°) Inclined Type / SMC-BT

COMFORT

Universal designs offer genuine user-friendliness with smart design features that were created with maximum consideration of its users.

DIRECTION INDICATOR*

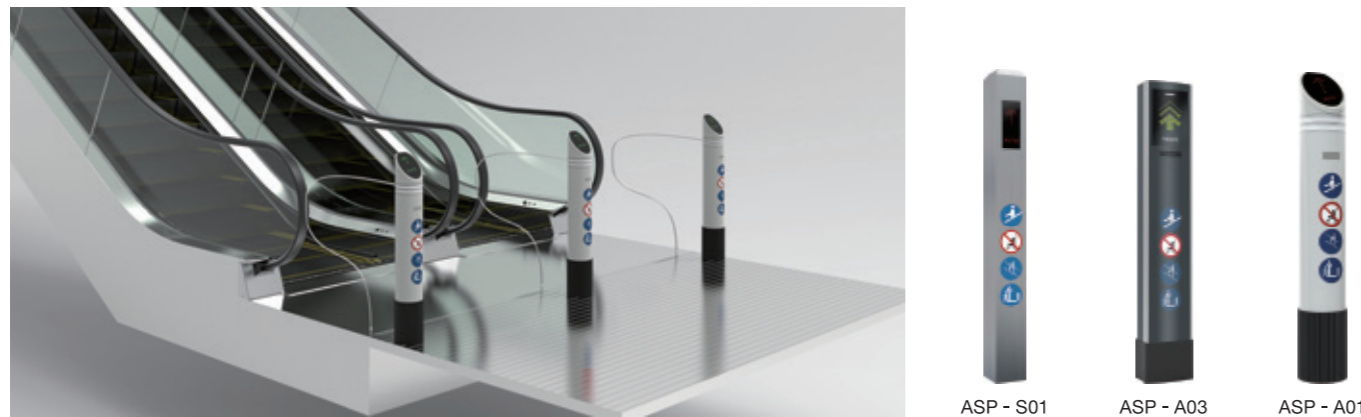


Direction indicator on the outer deck

Direction indicator on the inner deck

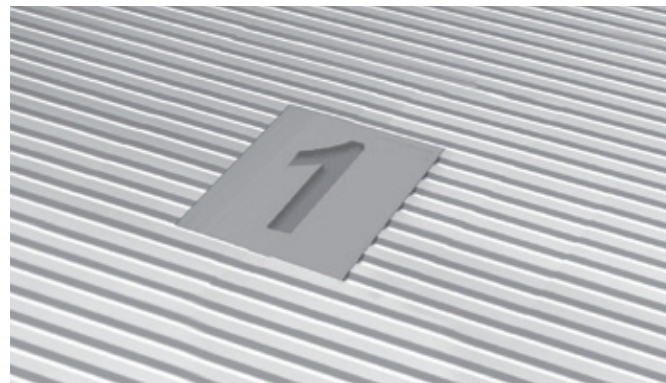
LED signs in boarding areas indicate the direction of travel and signal no-entry at landing areas.

MULTI POST*



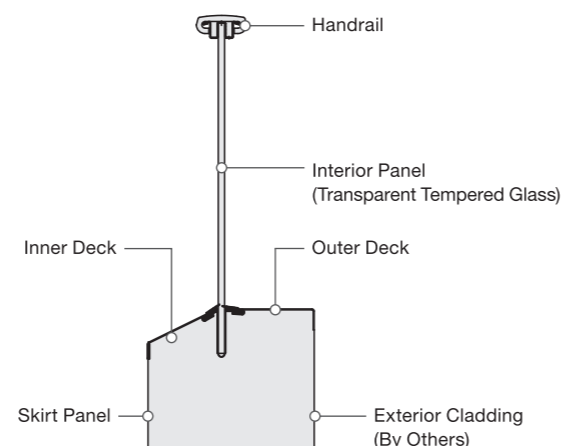
Note: Products and images depicted may differ from the actual products.

FLOOR MARKING



Floor markings can be engraved on floor plates to help passengers recognize quickly the floor that they have reached.

BALUSTRADE DESIGN

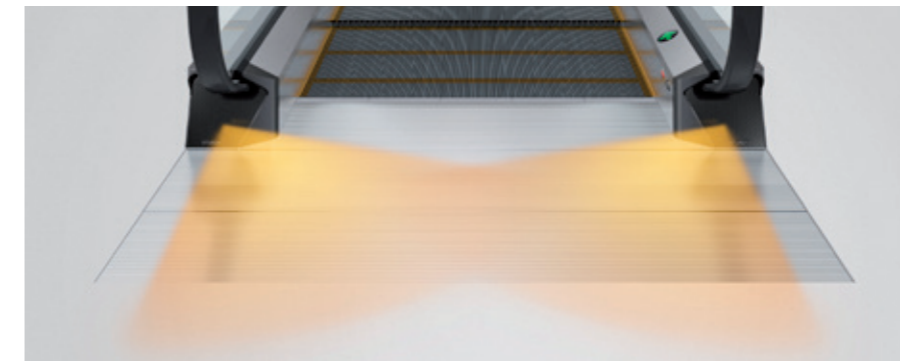


EFFICIENCY

Significant energy savings resulting from the efficient use of energy enhance a building's value.

ENERGY SAVING MODE COMBINED WITH AUTOMATIC OPERATION

RADAR SENSOR*

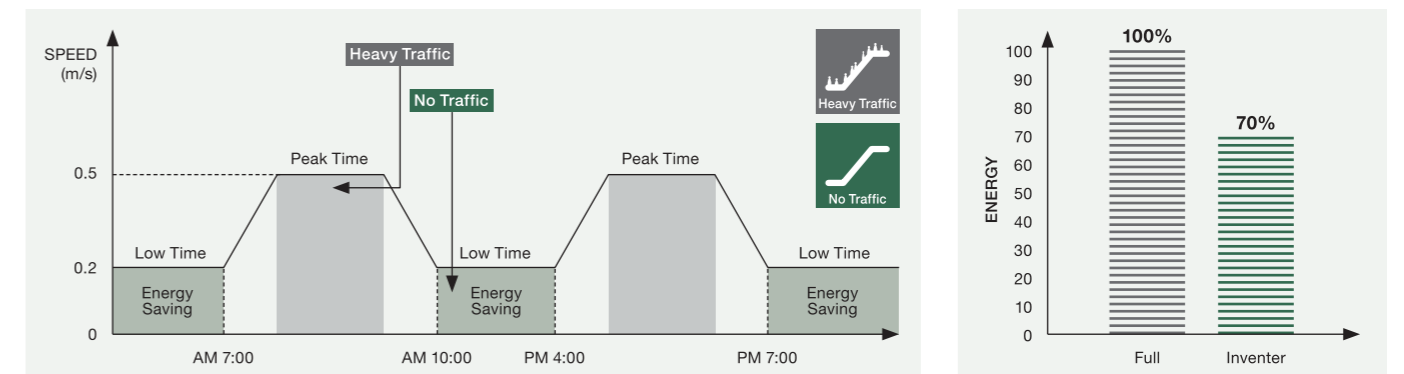


Radar sensors can detect approaching passengers and restart escalators automatically. A wide detection range and ability to detect moving objects regardless of color ensure accurate performance.

※ A Virtual image has been used to help readers' understanding.

MSTVF CONTROL SYSTEM* Applicable to systems that use an inverter

An inverter with MSTVF control technology minimizes energy consumption by adjusting speeds for different periods of time according to traffic flow to enhance motor efficiency.

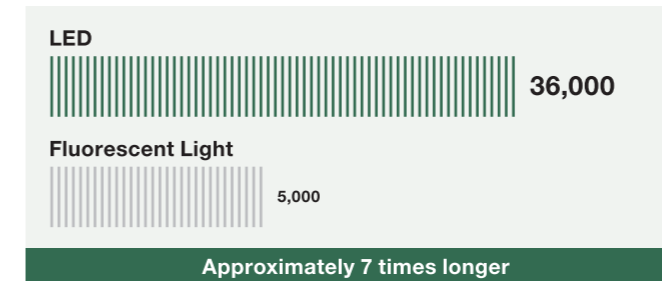


※ Test results may vary depending on the testing site and other conditions.

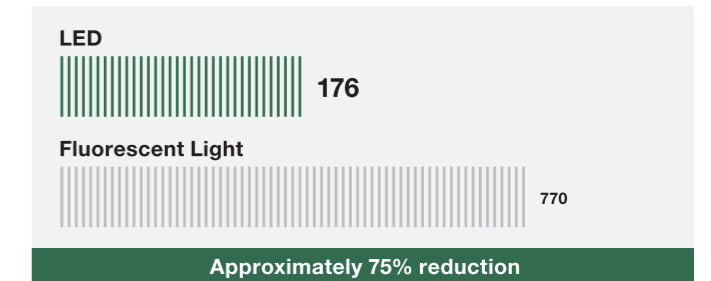
LED LIGHTING

Long-lasting, energy-saving LED lights on all lighting elements, such as handrails, combs, and under-step lighting, last 7 times longer and consume 75% less power than fluorescent lights.

Service Life (hr)



Power Consumption (W)



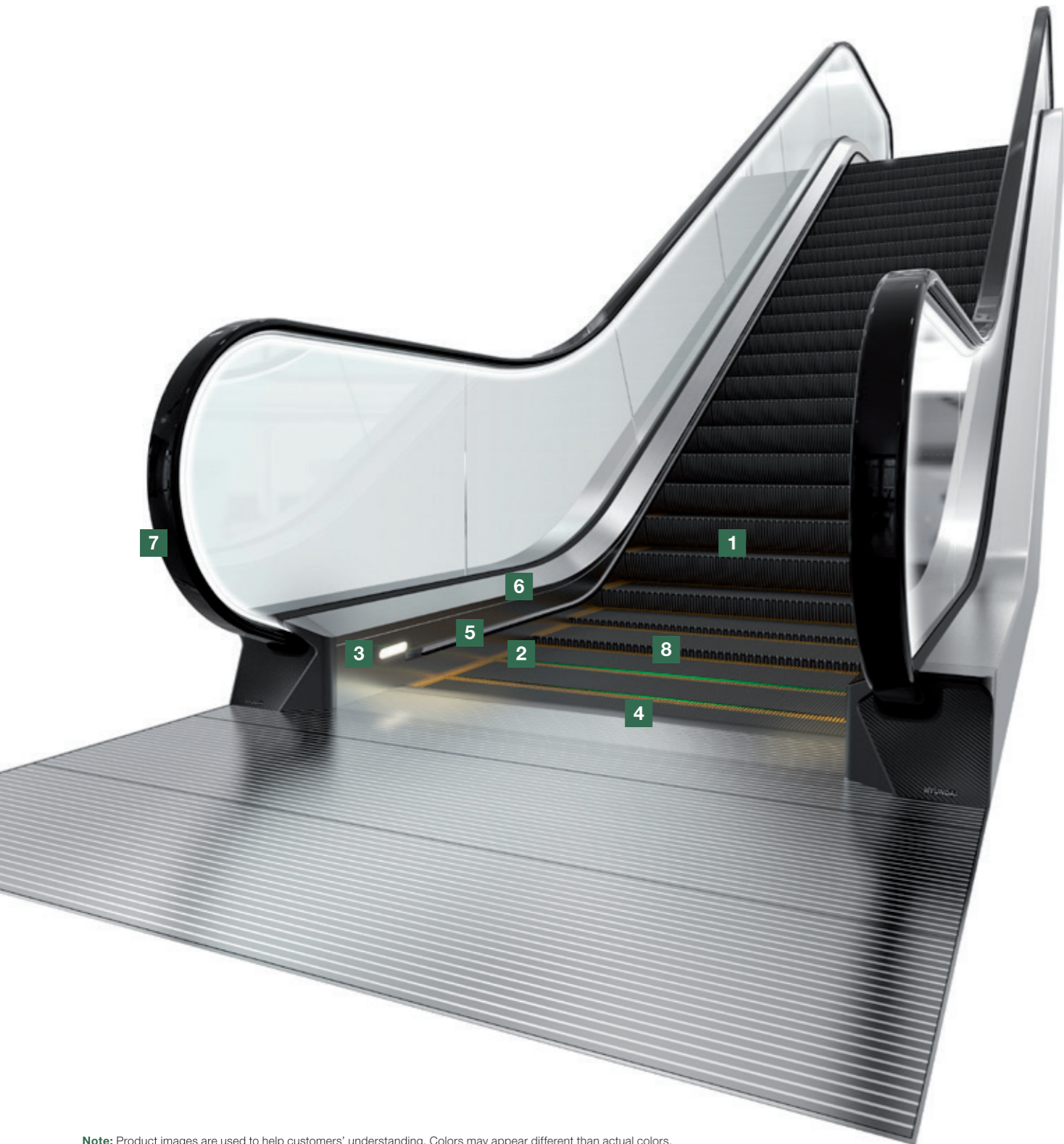
※ Test results may vary depending on the testing site and other conditions.

Note: 1. *Optional
2. Product images are used to help customers' understanding. Colors may appear different than actual colors.

SAFETY

From children to the elderly, diverse safety features help users get on and off escalators safely, ensuring the protection of all users.

STRUCTURE

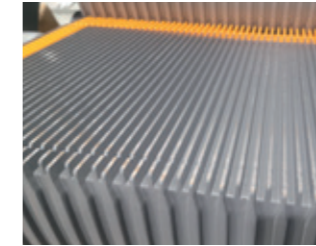


Note: Product images are used to help customers' understanding. Colors may appear different than actual colors.

SAFETY DEVICES

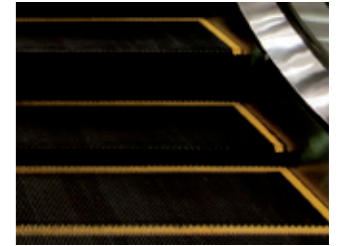
1 Anti-slip of step

Grooves on the steps improve anti-slip performance and visibility for greater passenger safety.



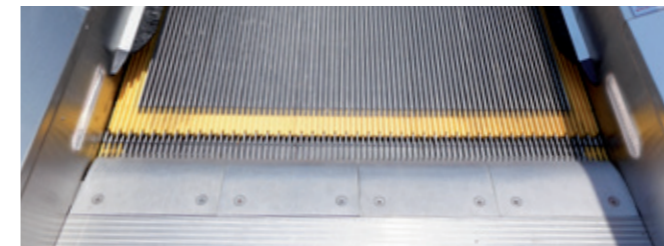
2 Step demarcation

Yellow demarcation lines on the 3 edges of steps have been enhanced for better visibility.



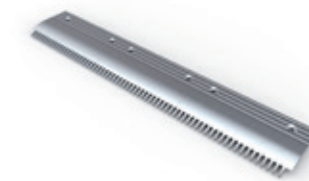
3 Comb lighting*

Comb lighting on skirts reinforce passenger safety at boarding and landing areas.



4 Comb

Combs remain flush against the floor to prevent passengers from stumbling and to avoid items such as luggage from getting caught.



Gray (Aluminum)



Yellow (Plastic)

5 Skirt deflector**

Skirt brushes on the skirt panels on both sides prevent shoes and apparel from getting caught between the steps and skirt panels.



6 Low friction material on skirt guard**

Special paint / coating on the surface of skirts ensures a low friction coefficient that helps minimize the risk of items getting caught.



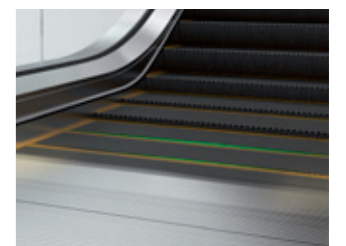
7 Newel

The newel's frame angle is 20 degrees, reducing the risk of children or items getting caught.



8 Under step lighting*

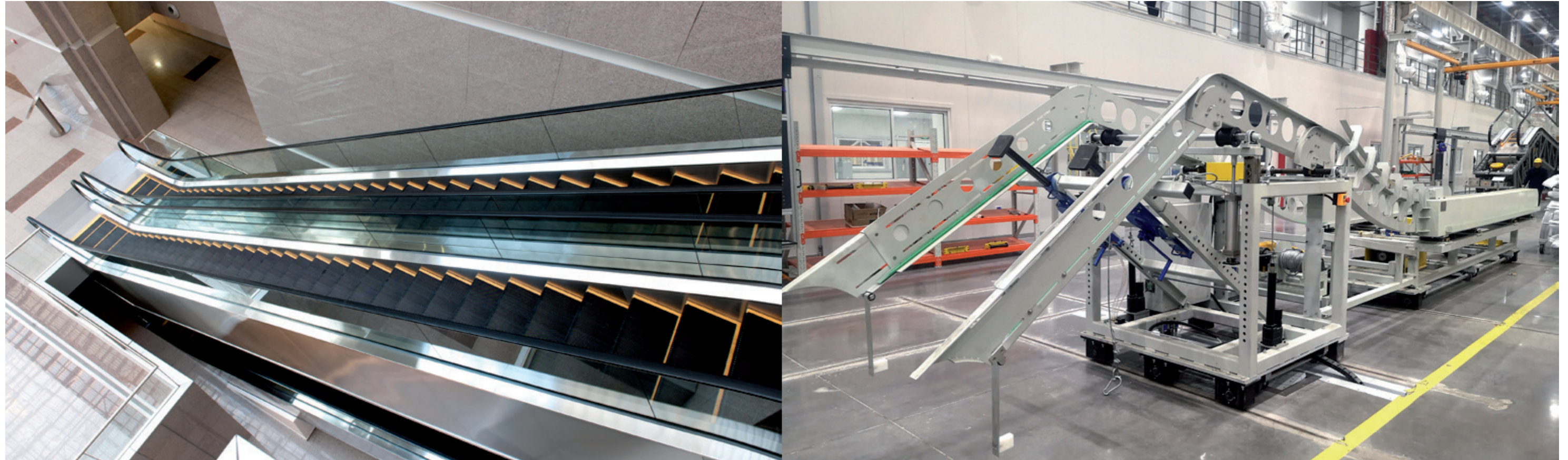
Lighting installed under the steps improves passenger safety.



Note: 1. *Optional
2. **Mandatory if code EN115 applies.

QUALITY

Superior parts and materials, as well as precise assembly procedures, guarantee precision and shorten installation times.



Hyundai Elevator's escalators and moving walks meet product and safety performance requirements for CE marking and KC certification, as well as DNV GL's ISO9001 and ISO14001 certification.

DESIGNED TO MINIMIZE NOISE AND VIBRATION

NOISE AND VIBRATION TEST

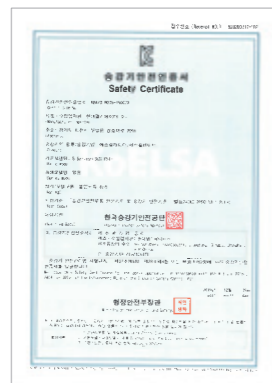
Escalators and moving walks are thoroughly tested to ensure that product designs meet noise and vibration requirements.



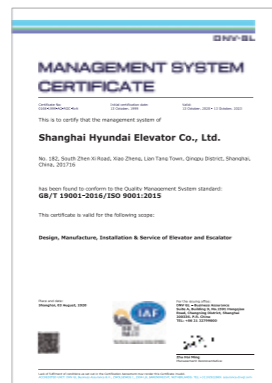
CERTIFICATION



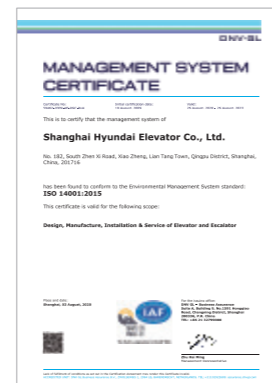
CE (EN115-1:2017)



KC



ISO9001



ISO14001

RIGOROUS DURABILITY TESTS

Step Test

Tests the strength of steps.

Roller Test

Tests the durability of step rollers and step chain rollers.

Step Chain Strength Test

Tests the strength of the step chains to ensure compliance with requirements.

UV Aging Test

Tests the durability of parts, such as handrails and rollers, under UV light.

X-Ray Test

Checks the internal structure of parts to ensure the quality of components.

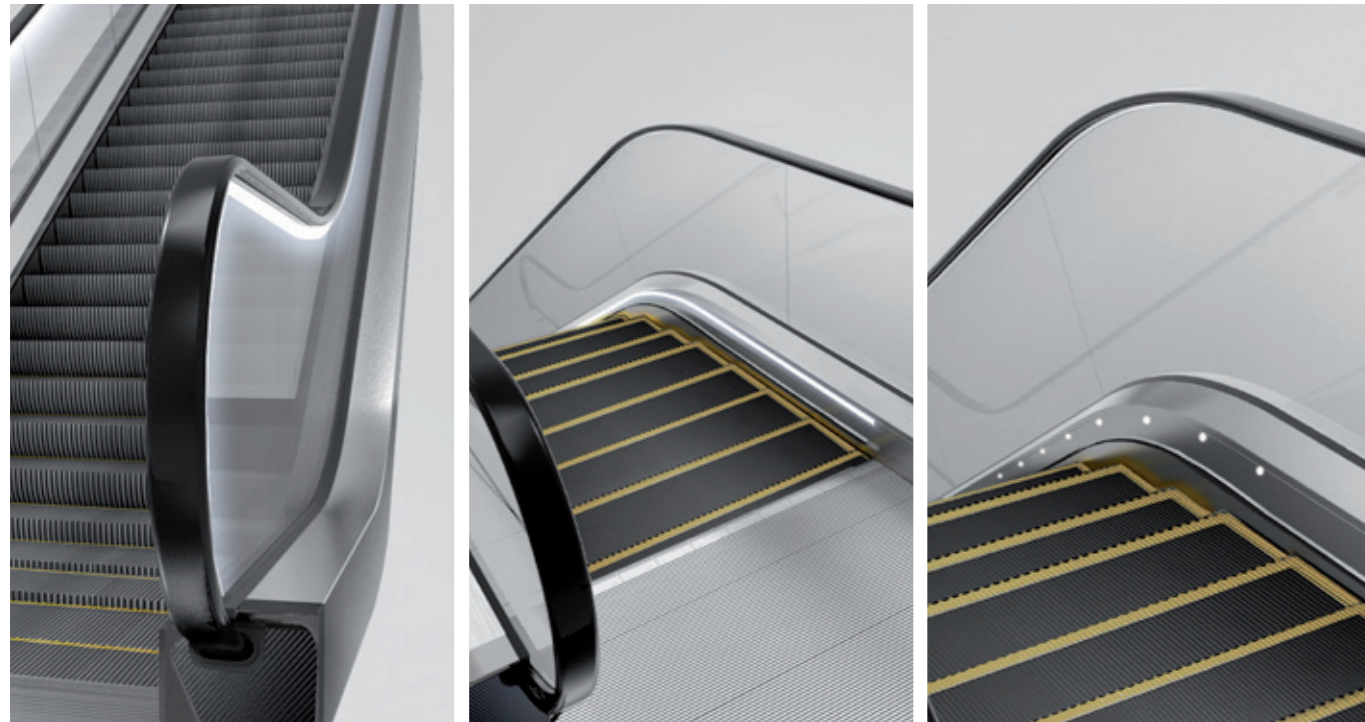
MODELS FOR VARIOUS SCENES

A diverse choice of designs and specifications make it possible to customize installations according to the site and function, maximizing customer satisfaction.

LIGHTING



※ Non-standard lighting colors other than white are available upon request.



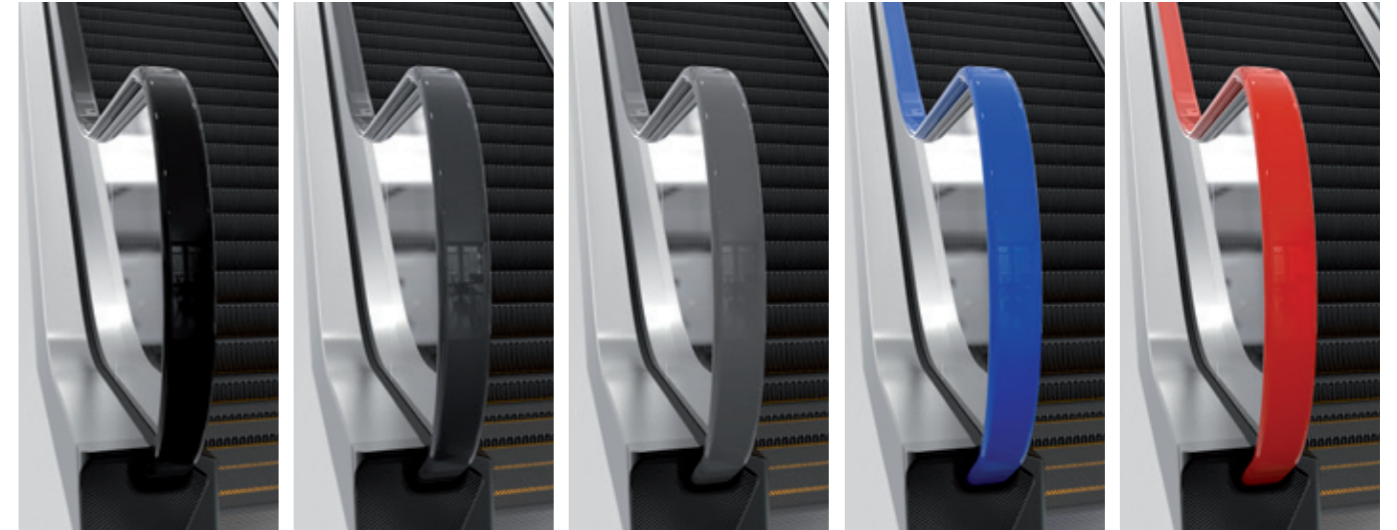
Handrail Lighting

Skirt Lighting (Line)

Skirt Lighting (Dot)

Note: Product images are used to help customers' understanding. Colors may appear different than actual colors.

HANDRAIL COLOR



Black (Standard)

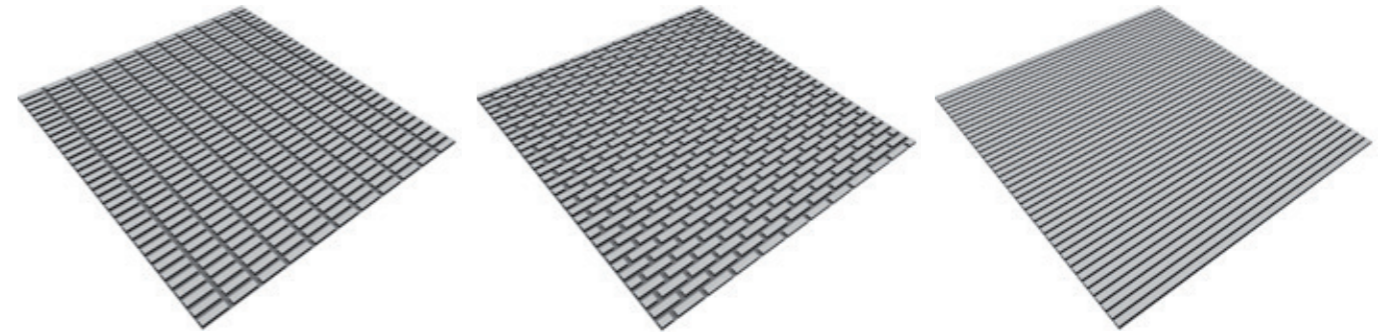
Charcoal

Gray

Blue

Red

FLOOR PLATE PATTERN

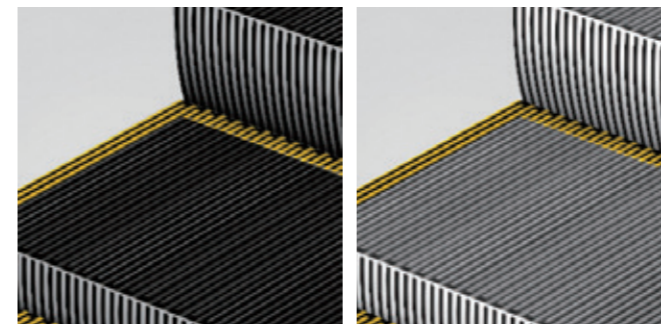


ES-205 (Embossed stainless steel)
ES-202 (Etched stainless steel)

ES-211 (Etched stainless steel)

AL-203 (Extruded aluminum)

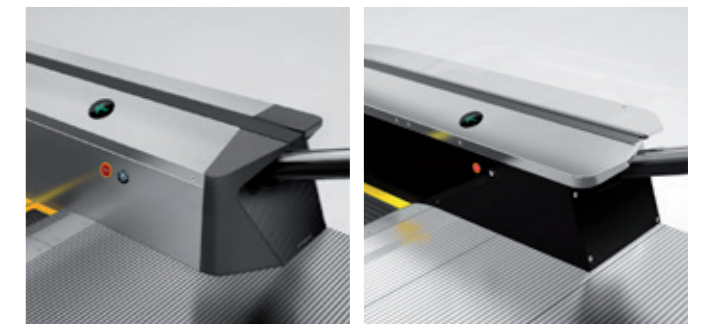
STEP COLOR



Black (Standard)

Gray

NEWEL SKIRT DESIGN



Aluminum newel skirt and stainless steel skirt

Black painted steel newel skirt and skirt

Escalators

S SERIES ESCALATOR STANDARD SPECIFICATIONS



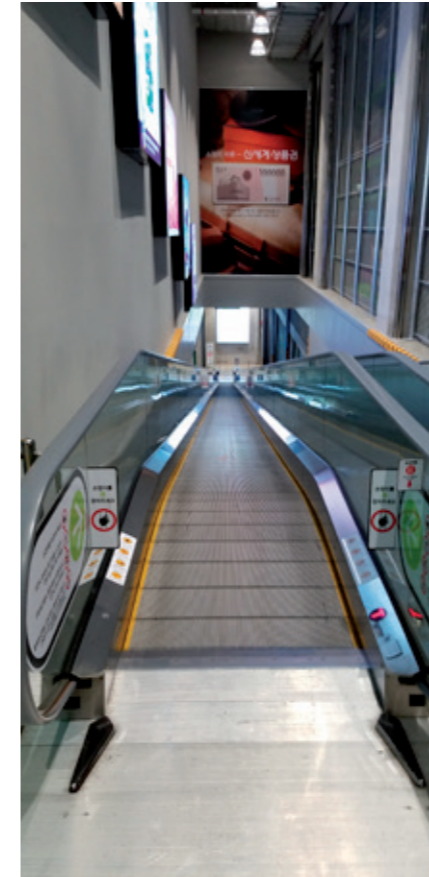
Model	S-BT2		
Power Supply	AC 3PH, 380V, 50 / 60Hz		
Lighting Power Supply	AC 1PH, 220V, 50 / 60Hz		
Operating Environment	Indoor / Semi-outdoor / Outdoor		
Inclination Angle	30° / 35°		
Rated Speed (m/s)	0.5		
Control System	MSTYD / MSTVF (Optional)		
Max Rise (mm)	30° : 10000 / 35° : 6000		
Nominal Width (mm)	1200	1000	800
Step Width (mm)	1001	801	602
Transport Capacity (Persons/hr)	9000	6750	4500

Item	Specification	Indoor	Semi-outdoor / Outdoor
Interior Panel	Transparent Tempered Glass	●	●
Inner / Outer Deck	Hairline-Finished Stainless Steel	●	●
Skirt Panel	Black Painted Steel	●	-
	Hairline-Finished Stainless Steel	○	●
Balustrade Skirt Brush*	Single Row	●	●
	Double Row	○	○
Handrail frame	Hairline-Finished Stainless Steel	●	●
Handrail color	Black	●	●
	Red / Gray / Blue / Charcoal	○	○
Step	Stainless Steel (Black / Gray)	●	-
	Aluminum (Black / Gray)	○	●
Demarcation	Molded resin (Yellow)	● (For Stainless Steel Step)	○ (For Aluminum Step)
	Painted (Yellow)	● (For Aluminum Step)	
Comb	Aluminum (Gray)	●	●
	Molded resin (Yellow)	○	○
	Embossed Stainless Steel	●	●
Landing Floor Plate	Etched Stainless Steel	○	○
	Extruded Aluminum	○	○
	Etched Stainless Steel	○	○
Comb Lighting	LED (White / Yellow)	○	○
Lighting Under Step Lighting	LED (Green)	○	○
	LED (White)	○	○
	LED (White, Line / Dot)	○	○

Note: 1. Standard: ●, Optional: ○
2. *Based on EN115

Moving Walks

SM SERIES MOVING WALK STANDARD SPECIFICATIONS



Model	SM-BT	
Power Supply	AC 3PH, 380V, 50 / 60Hz	
Lighting Power Supply	AC 1PH, 220V, 50 / 60Hz	
Operating Environment	Indoor / Semi-outdoor	
Inclination Angle	12° / 0°	
Rated Speed (m/s)	0.5	
Control System	MSTYD / MSTVF (Optional)	
Max Rise (mm)	12° : 9000 / 0° : 100000	
Nominal Width (mm)	1200	1000
Step Width (mm)	1001	801
Transport Capacity (Persons/hr)	9000	6750

Item	Specification	Indoor	Semi-outdoor
Interior Panel	Transparent Tempered Glass	●	●
Inner / Outer Deck	Hairline-Finished Stainless Steel	●	●
Skirt Panel	Black Painted Steel	●	-
	Hairline-Finished Stainless Steel	○	●
Balustrade Skirt Brush*	Single Row	○	○
	Double Row	○	○
Handrail frame	Hairline-Finished Stainless Steel	●	●
Handrail color	Black	●	●
	Red / Gray / Blue / Charcoal	○	○
Pallet	Aluminum	●	●
	Painted (Yellow)	●	●
Comb	Aluminum (Gray)	●	●
	Embossed Stainless Steel	●	●
Landing Floor Plate	Etched Stainless Steel	○	○
	Extruded Aluminum	○	○
Floor Marking	Etched Stainless Steel	○	○
Comb Lighting	LED (White / Yellow)	○	○
Lighting Under Step Lighting	LED (Green)	○	○
	LED (White)	○	○
	LED (White, Dot)	○	○

Note: 1. Standard: ●, Optional: ○
2. *Based on EN115

SAFETY DEVICES

Diverse safety devices ensure a high level of safety and reliability.

DEVICES

8 Floor Plate Switch
A safety switch stops the escalator when the floor plate is opened.

9 Step / Pallet Missing Device*
Stops the escalator if a missing step is detected before it becomes visible to passengers.

10 Reversal device
Stops the escalator when the direction of travel is switched from the current direction.

11 Step Up-thrust Switch**
Stops the escalator when a step becomes dislocated on the rising side due to an object getting caught between steps or the step and the skirt guard or if an abnormality is detected in the motion of steps.

12 Broken Step / Pallet Chain Switch
Stops the escalator / moving walk automatically if the step chain stretches or breaks.

1 Broken Drive Chain Switch**
Stops the escalator / moving walk automatically if the drive chain breaks.

2 Broken Step / Pallet Switch
Stops the escalator / moving walk if a step / pallet is broken or operates incorrectly.

3 Stopped Handrail Switch*
Stops the escalator / moving walk automatically if a handrail stops, slides, or breaks.

4 Handrail Guard Switch
Stops the escalator / moving walk automatically if an object gets wedged between the handrail and handrail guard.

5 Skirt Switch**
Stops the escalator / moving walk automatically if a foreign object, such as the tip of a shoe, gets caught between a step / pallet and the skirt panel.

6 Comb Plate Switch
Stops the escalator / moving walk if a foreign object becomes wedged between the comb and a step / pallet.

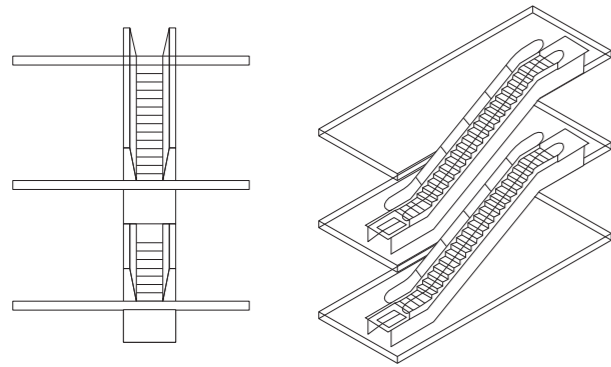
7 Emergency Stop Button
Red buttons on the skirt or inner deck of upper and lower landings can be pressed to stop the escalator safely.

Note: 1. *Optional (mandatory if code EN115 applies)
2. **Optional
3. Product images are used to help customers' understanding. Colors may appear different than actual colors.

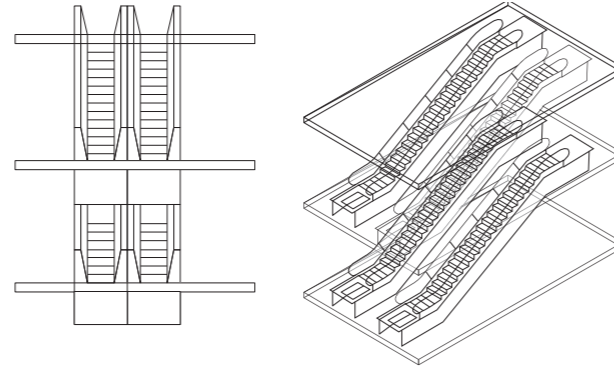
LAYOUT

Diverse layouts meet a wide range of functional, constructional, and efficiency needs.

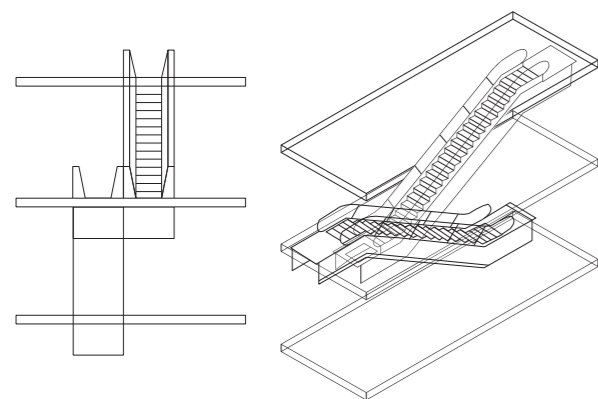
SINGLE



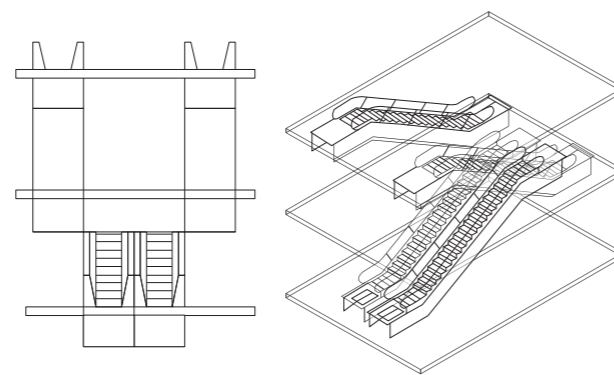
PARALLEL



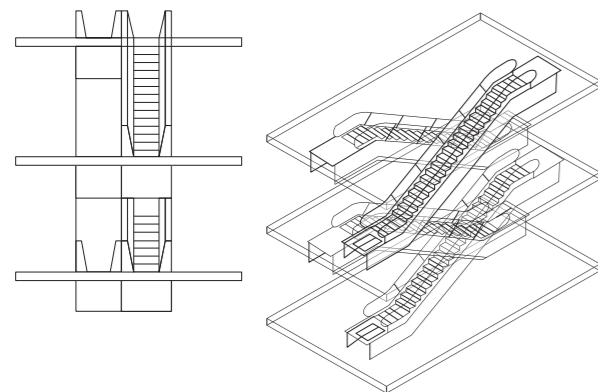
SCISSORS



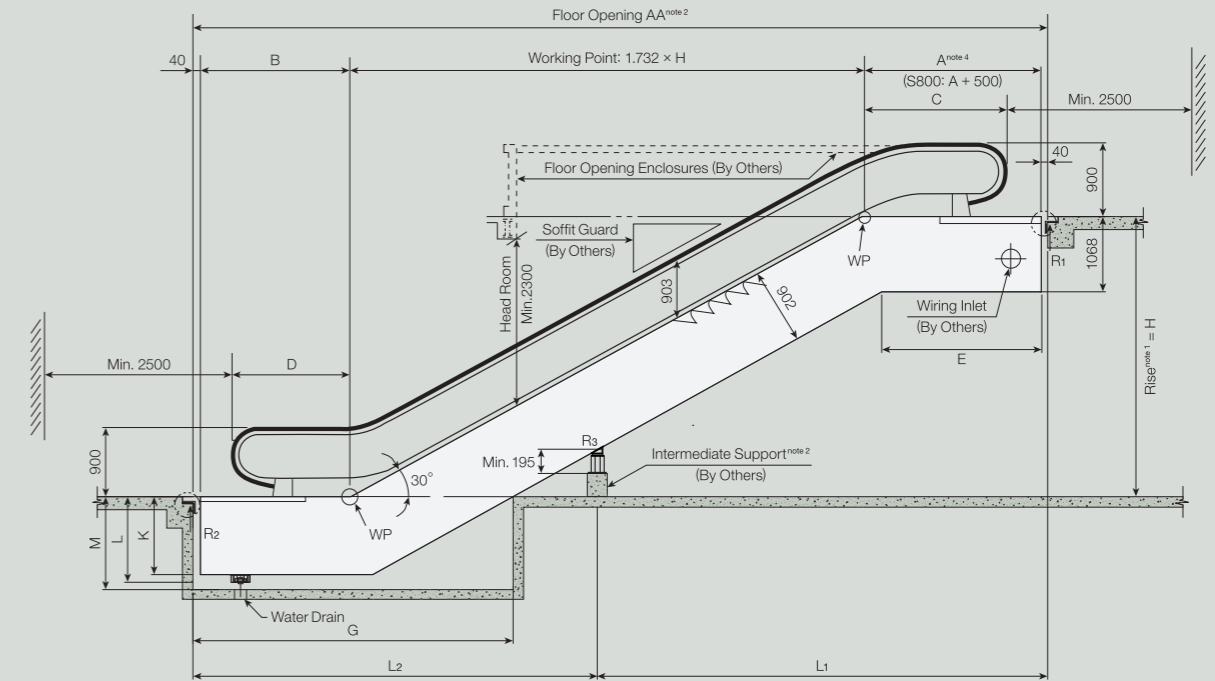
DOUBLE SCISSORS



CRISSCROSS



LAYOUT | S SERIES ESCALATOR (30°) Vertical Rise ≤ 7 m / S-BT2



- ▲ Notes:
1. Vertical rise: $H \leq 7$ m.
 2. $AA = 1.732 \times H + A + B + 80$
When maximum floor opening exceeds $AA = 15,800$ mm, intermediate support (s) are required. Please contact your local Hyundai sales agent for intermediate support data.
 3. For $H > 6$ m, 3 flat steps are required.
 4. 800type require the truss to be extended by at least 500 mm of dimension A
 5. Please refer to the table.

Type	K	L	M
Indoor	1008	-	1110
Outdoor	1008	1186	1300

Q'ty of Flat Step	A	B	C	D	E	G
2	2598	2087	2208	1698	2584	4350
3	2998	2487	2608	2098	2984	4750

SECTION DIMENSIONS

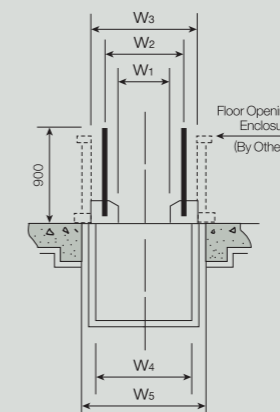
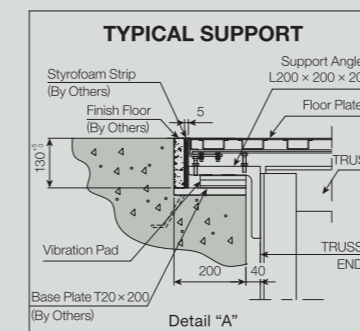
(Unit: mm)

Type	S800	S1000	S1200
W ₁	608	807	1007
W ₂	837	1037	1237
W ₃	1130	1330	1530
W ₄	1100	1300	1500
W ₅	1200	1400	1600

REACTIONS

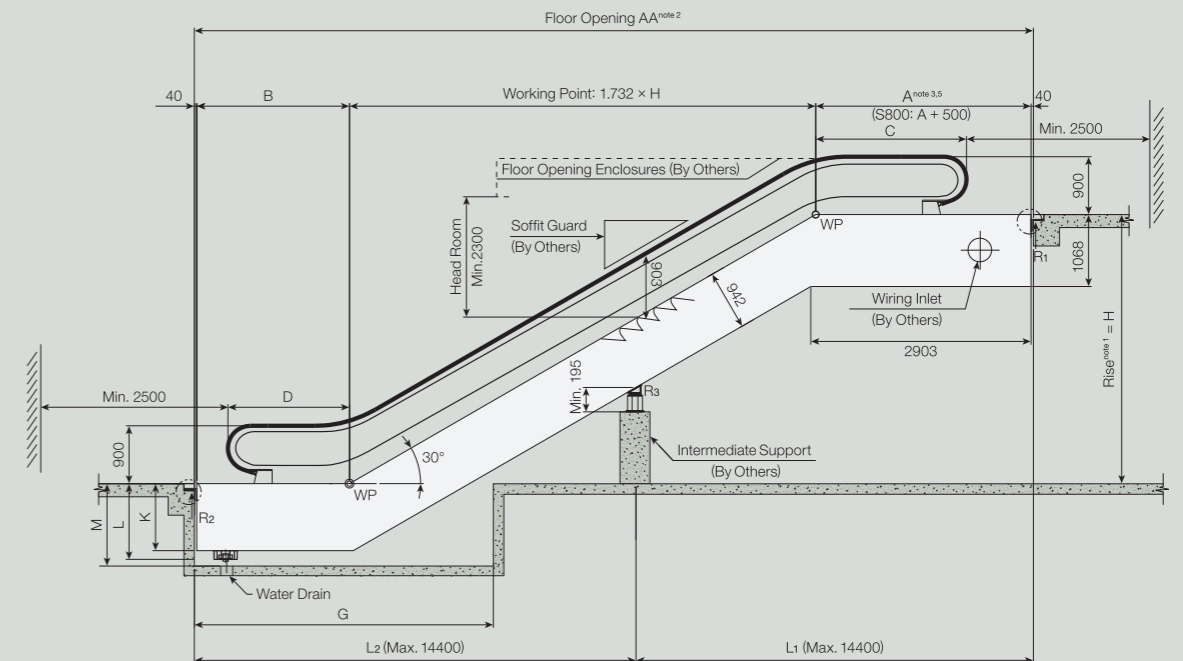
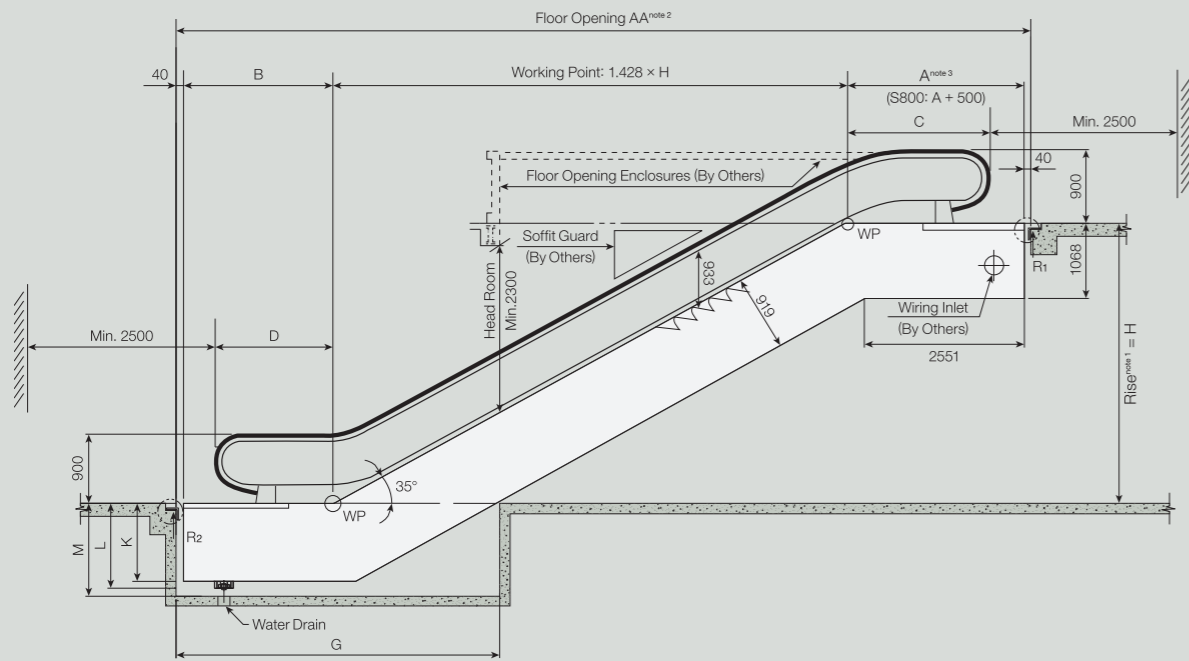
(Unit: kg)

Type	S800	
Rise H (mm)	$H \leq 6000$	$6000 < H \leq 7000$
Number of Intermediate Support	-	1
R ₁	$0.65H + 2300$	$0.36L_1 + 900$
R ₂	$0.65H + 1600$	$0.36L_2 + 300$
R ₃	-	$0.36(L_1 + L_2) + 450$
R ₄	-	-
Type	S1000	
Rise H (mm)	$H \leq 6000$	$6000 < H \leq 7000$
Number of Intermediate Support	-	1
R ₁	$0.72H + 2600$	$0.41L_1 + 900$
R ₂	$0.72H + 1900$	$0.41L_2 + 300$
R ₃	-	$0.41(L_1 + L_2) + 450$
R ₄	-	-
Type	S1200	
Rise H (mm)	$H \leq 6000$	$6000 < H \leq 7000$
Number of Intermediate Support	-	1
R ₁	$0.78H + 2900$	$0.45L_1 + 1000$
R ₂	$0.78H + 2200$	$0.45L_2 + 300$
R ₃	-	$0.45(L_1 + L_2) + 500$
R ₄	-	-



LAYOUT | S SERIES ESCALATOR (35°) Vertical Rise ≤ 6 m / S-BT2

LAYOUT | S SERIES ESCALATOR (30°) Vertical 7 m < Rise ≤ 10 m / S-BT2



- ▲ Notes:
1. Vertical rise: $H \leq 6$ m.
 2. $AA = 1,428 \times H + A + B + 80$
When maximum floor opening exceeds $AA = 15,800$ mm, intermediate support (s) are required. Please contact your local Hyundai sales agent for intermediate support data.
 3. 800type require the truss to be extended by at least 500 mm of dimension A
 4. Please refer to the table.

Type	K	L	M
Indoor	1008	-	1110
Outdoor	1008	1186	1300

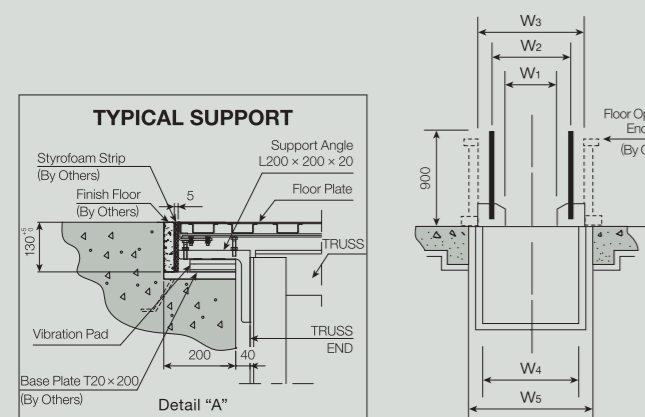
Q'ty of Flat Step	A	B	C	D	G
2	2650	2175	2260	1785	4450

SECTION DIMENSIONS (Unit: mm)

Type	S800	S1000	S1200
W ₁	608	807	1007
W ₂	837	1037	1237
W ₃	1130	1330	1530
W ₄	1100	1300	1500
W ₅	1200	1400	1600

REACTIONS (Unit: kg)

Vertical Rise H (mm)	Reactions	S800	S1000	S1200
2000	R ₁	0.51H + 2400	0.59H + 2700	0.66H + 3000
~ 6000	R ₂	0.51H + 1800	0.59H + 2100	0.66H + 2300



- ▲ Notes:
1. Vertical rise: $7 \text{ m} < H \leq 10$ m
 2. $AA = 1,732 \times H + A + B + 80$
When maximum floor opening exceeds $AA = 14,400$ mm, intermediate support (s) are required. Please contact your local Hyundai sales agent for intermediate support data.
 3. 800type require the truss to be extended by at least 500 mm of dimension A
 4. Please refer to the table.

Type	K	L	M
Indoor	1048	-	1150
Outdoor	1048	1226	1330

5. Escalator equipped with double drive require the truss to be extended 500 mm of dimension A.

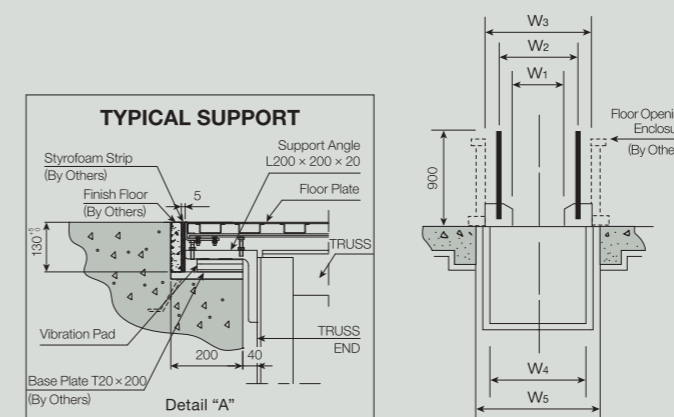
Q'ty of Flat Step	A	B	C	D	G
3	2998	2487	2608	2097	4750

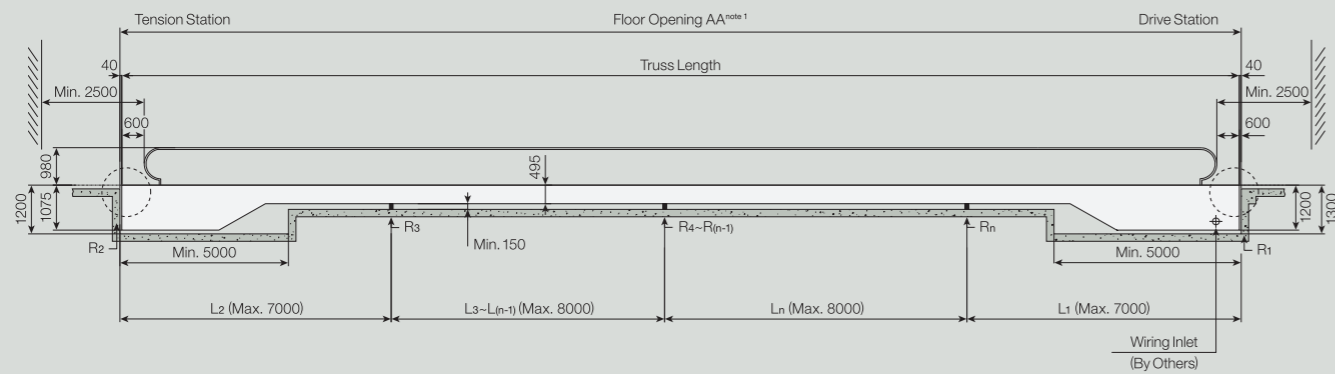
SECTION DIMENSIONS (Unit: mm)

Type	S800	S1000	S1200
W ₁	608	807	1007
W ₂	837	1037	1237
W ₃	1130	1330	1530
W ₄	1100	1300	1500
W ₅	1200	1400	1600

REACTIONS (Unit: kg)

Type	S800
Rise H (mm)	7000 < H ≤ 10000
Number of Intermediate Support	1
R ₁	0.36L ₁ + 900
R ₂	0.36L ₂ + 300
R ₃	0.36(L ₁ + L ₂) + 450
R ₄	-
Type	S1000
Rise H (mm)	7000 < H ≤ 10000
Number of Intermediate Support	1
R ₁	0.41L ₁ + 900
R ₂	0.41L ₂ + 300
R ₃	0.41(L ₁ + L ₂) + 450
R ₄	-
Type	S1200
Rise H (mm)	7000 < H ≤ 10000
Number of Intermediate Support	1
R ₁	0.45L ₁ + 1000
R ₂	0.45L ₂ + 300
R ₃	0.45(L ₁ + L ₂) + 500
R ₄	-





▲ Notes: AA ≤ 100 m.

SECTION DIMENSIONS

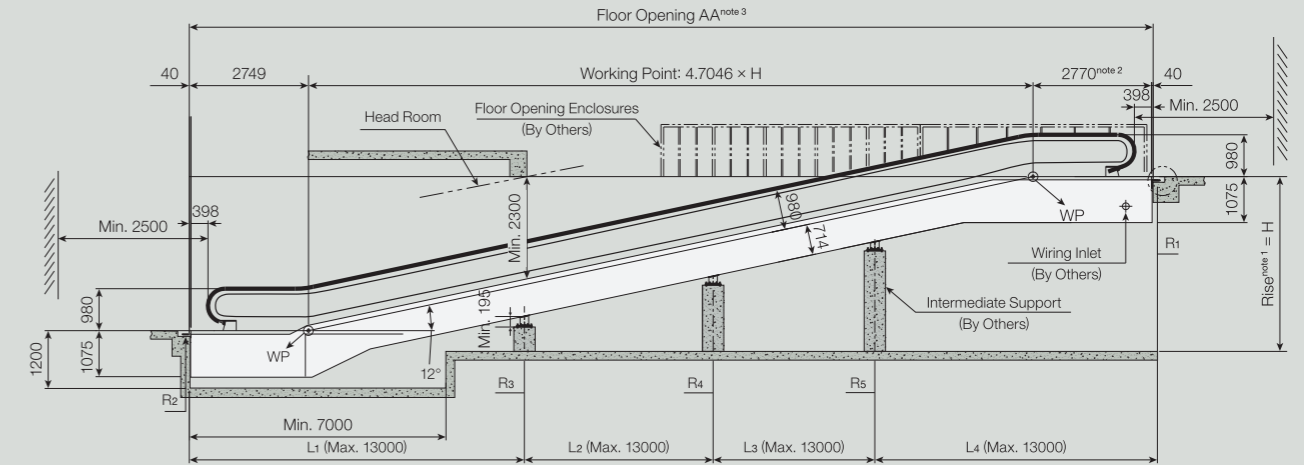
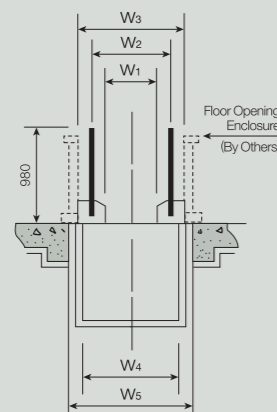
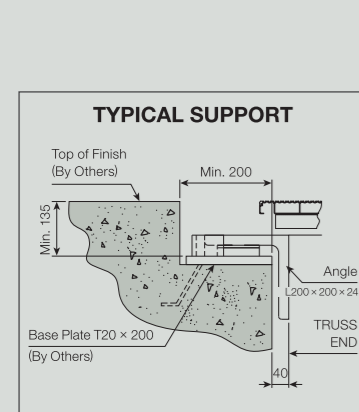
(Unit: mm)

Type	SM1000	SM1200
W ₁	807	1007
W ₂	1037	1237
W ₃	1350	1550
W ₄	1320	1520
W ₅	1450	1650

REACTIONS

(L₁-L_n Unit: m)

Inclination	Floor Opening AA	Type	R ₁ (kg)	R ₂ (kg)	R ₃ (kg)	R ₄ (kg)	R _n (kg)
0°	10 m-100 m	SM1000	400 × L ₁ + 1300	400 × L ₂ + 400	370 × (L ₂ + L ₃)	370 × (L ₃ + L ₄)	370 × (L ₁ + L _n)
		SM1200	420 × L ₁ + 1700	420 × L ₂ + 700	460 × (L ₂ + L ₃)	460 × (L ₃ + L ₄)	460 × (L ₁ + L _n)



▲ Notes: 1. Vertical rise: H ≤ 9 m.

2. When vertical rise is over 7000 mm, dimension 2770 mm of 1200 type shall increase 500 mm.

3. AA = 4.706 × H + 2770 + 2749 + 80

Maximum distance between intermediate supports is 13000 mm. Please contact your local Hyundai sales agent for intermediate support data.

SECTION DIMENSIONS

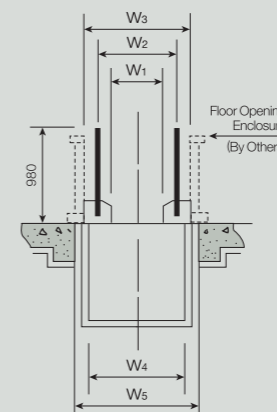
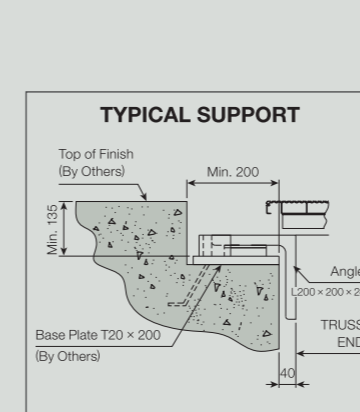
(Unit: mm)

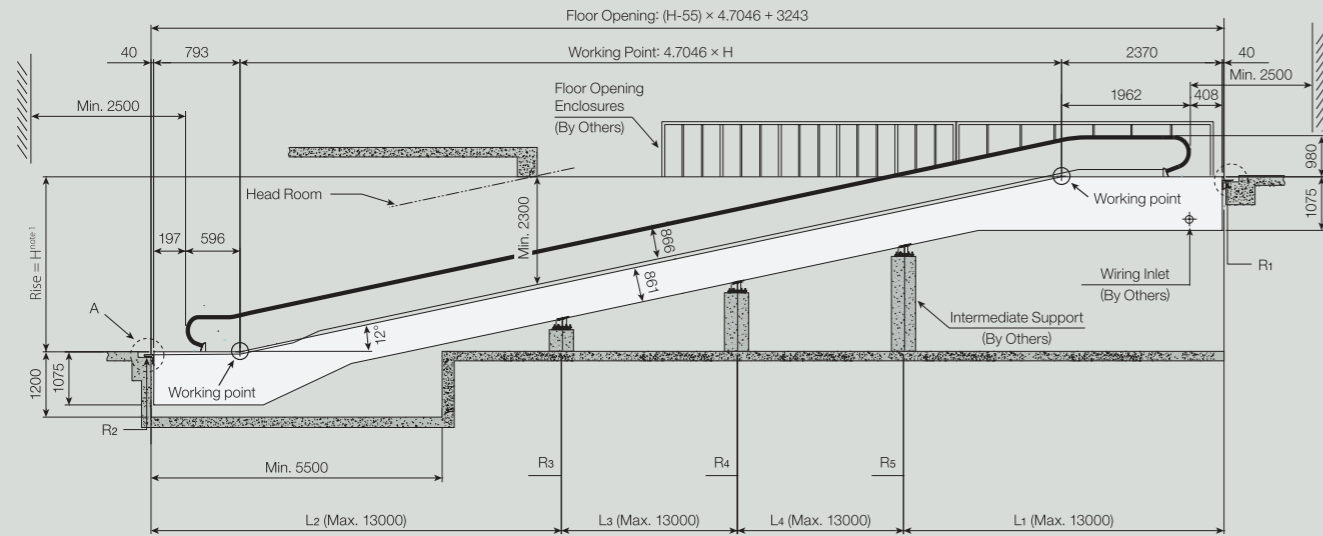
Type	SM1000	SM1200
W ₁	807	1007
W ₂	1037	1237
W ₃	1350	1550
W ₄	1320	1520
W ₅	1450	1650

REACTIONS

(L₁-L_n Unit: m)

Number of Intermediate Support	SM1000					SM1200				
	R ₁ (kg)	R ₂ (kg)	R ₃ (kg)	R ₄ (kg)	R ₅ (kg)	R ₁ (kg)	R ₂ (kg)	R ₃ (kg)	R ₄ (kg)	R ₅ (kg)
1	350 × L ₁ + 1450	350 × L ₂ + 720	410 × (L ₁ + L ₂) + 1600	-	-	390 × L ₁ + 1600	390 × L ₂ + 790	450 × (L ₁ + L ₂) + 1750	-	-
2	350 × L ₁ + 1450	350 × L ₂ + 720	410 × (L ₂ + L ₃) + 1600	410 × (L ₁ + L ₃) + 1600	-	390 × L ₁ + 1600	390 × L ₂ + 790	450 × (L ₂ + L ₃) + 1750	450 × (L ₁ + L ₃) + 1750	-
3	350 × L ₁ + 1450	350 × L ₂ + 720	410 × (L ₂ + L ₃) + 1600	410 × (L ₃ + L ₄) + 1600	410 × (L ₁ + L ₄) + 1600	390 × L ₁ + 1600	390 × L ₂ + 790	450 × (L ₂ + L ₃) + 1750	450 × (L ₃ + L ₄) + 1750	450 × (L ₁ + L ₄) + 1750





- ▲ **Notes:** 1. Vertical rise: $H \leq 6$ m.
2. If the truss shall be extended, please contact hyundai.

SECTION DIMENSIONS

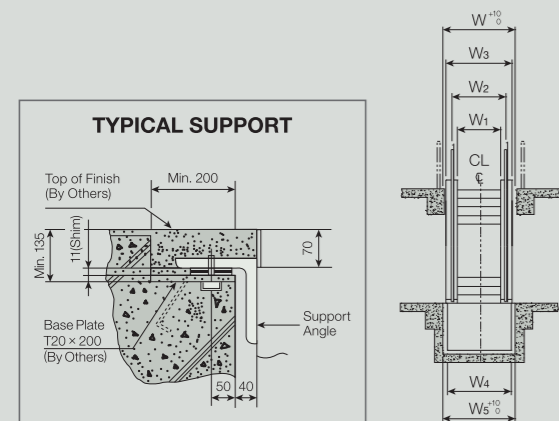
(Unit: mm)

Type	SM1000	SM1200
W ₁	807	1007
W ₂	1037	1237
W ₃	1330	1550
W ₄	1320	1520
W ₅	1500	1700

REACTIONS

(L₁-L_n Unit: m)

Number of Intermediate Support	SM1000					SM1200				
	R1 (kg)	R2 (kg)	R3 (kg)	R4 (kg)	R5 (kg)	R1 (kg)	R2 (kg)	R3 (kg)	R4 (kg)	R5 (kg)
1	$450 \times L_1 + 700$	$420 \times L_2 + 45$	$440 \times (L_1 + L_2)$	-	-	$500 \times L_1 + 780$	$470 \times L_2 + 50$	$490 \times (L_1 + L_2)$	-	-
2	$450 \times L_1 + 700$	$420 \times L_2 + 45$	$440 \times (L_2 + L_3)$	$440 \times (L_1 + L_3)$	-	$500 \times L_1 + 780$	$470 \times L_2 + 50$	$490 \times (L_2 + L_3)$	$500 \times (L_1 + L_3)$	-
3	$450 \times L_1 + 700$	$420 \times L_2 + 45$	$440 \times (L_2 + L_3)$	$440 \times (L_3 + L_4)$	$440 \times (L_1 + L_4)$	$500 \times L_1 + 780$	$470 \times L_2 + 50$	$490 \times (L_2 + L_3)$	$490 \times (L_3 + L_4)$	$500 \times (L_1 + L_4)$



ELECTRIC POWER

Motor (kW)	Power Supply Capacity (kVA)	Power Supply Voltage (AC-3 Phase)	C.B Rated Current (A)	Power Feeder (mm ²) (from power room to escalator controller)					
				20 m	40 m	60 m	80 m	100 m	120 m
5.5	12	200V Class	50	10	16	25	35	35	35
		380V Class	30	6	6	10	16	16	
		440V Class	30	6	6	10	10	16	
7.5	14	200V Class	60	10	25	35	35	50	50
		380V Class	40	6	6	10	16	16	25
		440V Class	30	6	6	6	10	16	16
11	19	200V Class	100	16	25	35	50	50	95
		380V Class	50	6	10	16	25	25	25
		440V Class	40	6	6	10	16	16	25
15	25	200V Class	125	16	25	35	50	70	95
		380V Class	60	10	16	25	25	35	35
		440V Class	50	10	16	16	25	25	25
11 x 2	36	200V Class	175	25	50	95	120	120	120
		380V Class	100	10	16	25	35	35	50
		440V Class	75	6	16	25	25	35	35
15 x 2	52	200V Class	200	35	95	120	120	185	185
		380V Class	125	16	25	35	50	70	95
		440V Class	100	16	25	25	35	35	50
18.5 x 2	60	200V Class	300	50	95	120	185	185	240
		380V Class	150	16	35	50	70	95	95
		440V Class	125	16	25	35	35	50	70

MOTOR CAPACITY

Speed	Escalator						Moving Walks			
	0.5 m/sec						0.5 m/sec			
	30°			35°			0°		12°	
Inclination	1200	1000	800	1200	1000	800	1200	1000	1200	1000
Nominal Width										
Motor Rating (kW)	Maximum Rise (m)									
5.5	3.5	4.6	5.9	3.5	4.6	5.9	54	72	2.4	3.4
7.5	4.7	6.3	8.1	4.7	6.0	6.0	74	98	3.5	4.8
11	7.0	9.3	10	6.0	-	-	100	100	5.3	7.3
15	9.5	10	-	-	-	-	-	-	7.0	9.0
11 x 2	10	-	-	-	-	-	-	-	9.0	-

- ▲ **Notes:** 1. These are based on the commercial type. Please contact Hyundai for the public type.
2. In case of the inclination of 0°, maximum rise means maximum floor opening AA.
3. In case of outdoor, Please contact Hyundai for heater capacity (kW).

WORK TO BE DONE BY BUILDERS

The following construction and electric works are not included in an escalator or moving walk sales contract and should be performed by builders.

CONSTRUCTION WORK

Work Description	
1	Making holes on the floor slab for installation and filling the holes after installation
2	Installation of intermediate strut beams for installation (if necessary)
3	Making holes on the floor slab for introducing escalator / moving walk and filling the holes after installation
4	Construction and waterproofing work on the lowest floor and lower pit of the escalator / moving walk (Construction of a fire-proof pit when there is a living room under the lower machine room)
5	Finishing work on the floor and ceiling around the escalator / moving walk
6	Construction of floor opening enclosures around escalator / moving walk
7	Bordering work on the part where the ceiling of the building and the escalator / moving walk meet each other
8	Installation of fall protection net in case that the floor of the escalator / moving walk has a hole
9	Making holes for introducing the escalator / moving walk and filling the holes after installation
10	Curing and restoring the borders of the escalator / moving walk when it is installed on an existing building
11	Supplying storage for construction tools and materials free of charge
12	Exterior work on the escalator / moving walk

ELECTRIC WORK

Work Description	
1	Power system and lighting: Piping and wiring work on the upper incoming panel of the escalator / moving walk
2	Power for inspection: Piping and wiring work on the upper incoming panel of the escalator / moving walk
3	Grounding wire (class III): Piping and wiring work on the upper incoming panel of the escalator / moving walk
4	Piping and wiring work for the installation of a fire-proof shutter and electrical contacts up to the upper control panel of the escalator / moving walk (Piping and wiring work on electrical contacts and monitoring panels)
5	Supplying power needed during installation and commissioning free of charge

GLOBAL SALES & SERVICE NETWORK

HEAD OFFICE & FACTORY

2091, Gyeongchung-daero, Bubal-eup, Icheon-si, Gyeonggi-do, 17366, Korea

SEOUL OFFICE (GLOBAL SALES DIV.)

5F, East Bldg., Hyundai Group Bldg., 194, Youlgok-ro, Jongno-gu, Seoul, 03127, Korea

AFRICA

EGYPT

T 2-02-24029153, 2-012-23952311
E sales@hauslift.com

ETHIOPIA

T 251-911-503-000
E ieethiopia1@gmail.com

KENYA

T 254-722-667984
E charles.skymax@africaonline.co.ke
pslyall@skymaxenterprise.com

MOROCCO

T 212-522-490-485
E sales@hyundai-ascenseurs.com

NIGERIA

T 234-7034444400
E info@orionelevators.com

TUNISIA

T 212-71-962-967
E ideal.commerciale@gmail.com

ASIA

BANGLADESH

T 88-017-13209212
E zahid@edgeworksbd.com

CAMBODIA

T 855-23-888-399
E project@ggear.com.kh

CHINA

[Head Office(Factory)]
T 86-21-6485-8600
E 2017407@hdel.co.kr

INDIA

T 91-99-7000-0611
E rdmello@kinetic-hyundai.com

INDONESIA

[Service]
T 62-21-3511-355
E marketing@helin.co.id
[New Equipment]
T 62-21-631-8444
E sugiono_nusalim@yahoo.com

MALAYSIA

T 603-7932-1326
E ku.lee@hdel.co.kr
sales@hem.com.my

MONGOLIA

T 976-8908-3031
E munkhtuya@hyundai-elevator.mn

MYANMAR

T 951-2305336-37
E info@integral-ltd.com

PAKISTAN

T 92-21-3432-0601-5
E iitcpk@gmail.com

PHILIPPINES

T 632-8716-0905
E sales@hyundaielevator.com.ph

SRI LANKA

T 94-11-2623208
E wasantha@abansgroup.com

THAILAND

T 66-2348-8163
E chaichanr@loxley.co.th

VIETNAM

T 84-913-927-601
E sb.park@hdel.co.kr

EUROPE & CIS

AZERBAIJAN

T 994-50-207-2217
E info@s-enna.az

KAZAKHSTAN

T 7-717-245-69-49
E info@hdel.kz

KYRGYZSTAN

T 996-312-474205
E hyundaielevatorskg@gmail.com

POLAND

T 48-61-820-85-51
E maciej.dziurkiewicz@omilifts.com

ROMANIA

T 40-231-537-138
E office@smartelevators.eu

RUSSIA

[Moscow]
T 7-495-668-07-15
E msk@dvc.ru
[Vladi]
T 7-423-220-51-16
E hyundai@dvc.ru

TURKEY

T 90-216-510-1244
E orkun.tanman@hdel.com.tr

UKRAINE

T 380-44-4969580
E lift@eurolift.com.ua

UZBEKISTAN

T 998-90-910-1368
E innesa@boinncorp.com

MIDDLE EAST

BAHRAIN

T 973-1770-2468
E elevators@nassgroup.com

IRAQ

T 964-79-1336499
E info@alarjoon.com

ISRAEL

T 972-3-9630000
E Igorv@ledico.com

JORDAN

T 962-79-5526-713
E maadbseiso55@gmail.com

KUWAIT

T 965-2245-7925
E info@dealgtc.com

OMAN

T 968-9936-9663
E techno.hyundai@gmail.com

QATAR

T 974-4436-6689, 974-4427-9565
E info@ietg-hyundaielevator.com

SAUDI ARABIA

T 966-50-267-9545
E rasheed@escoco.com.sa

UAE

T 971-4-294-4475
E dubai@bhnoe-hyundai.com

NORTH / SOUTH AMERICA

ARGENTINA

T 5411-3220-2878, 5411-4488-1948
E oqueta@skylift.com.ar

BRAZIL

T 55-11-5070-4141
E wellington.sierra@hdel.com.br

CHILE

T 56-9-225540849
E lcid@cyce.cl

COLOMBIA

T 57-4-444-9297
E sgiraldo@solucionesverticales.com.co

COSTA RICA

T 506-2291-0455
E mv.elevatec@grupomisol.com

DOMINICAN REPUBLIC

T 809-566-7474
E cesar@eleva.com.do

ECUADOR

T 593-2254-2831
E hyundai@a-i.com.ec

EL SALVADOR

T 503-2260-6233
E jc.elevatec@grupomisol.com

GUATEMALA

T 502-2388-0000
E cd.elevatec@grupomisol.com

HONDURAS

T 504-2564-6150, 504-2231-3302
E jc.elevatec@grupomisol.com

MEXICO

T 52-55-5663-2019
E yurich@insertechmx.com

NICARAGUA

T 505-2223-5217
E bb.elevatec@grupomisol.com

PANAMA

T 507-381-7422, 507-381-7427
E el.elevatec@grupomisol.com

PERU

T 506-7013-4407
E cc.elevatec@grupomisol.com

PARAGUAY

T 595-2120-1915
E egrau@inelec.com.py

VENEZUELA

T 58-212-232-8263
E ojssimon@gmail.com



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