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KONL® CANNY
ELEVATOR

K L F
LINGSHOW ESCALATOR



CANNY ELEVATOR CO.,LTD.

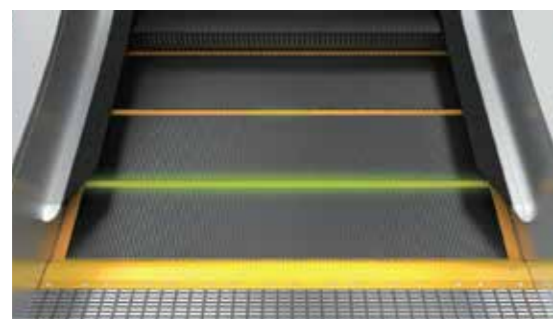
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Meticulous Care Leads to Humane Glory

• Demarcation Lamp

Green fluorescent light is installed under the upper and lower step pedals. When two adjacent steps do not run at the same time, green fluorescent light will be shed over the tooth mouth of the step, to help passengers identify the horizontal section of step turnover and improve the riding safety.



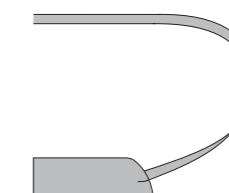
• Skirt Panel Brush

Prevent passengers' clothing from being caught by the apron board and the step side gap, in order to protect the safety of passengers.

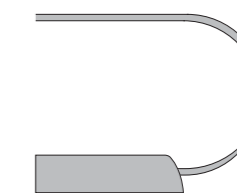


• Large Radius Rotary Handrail Guide Rail

Large radius rotary handrail guide rail will work together with the rotary wheel set to reduce friction and prolong the life of the handrail.



○ Traditional escalator



○ CANNY "Lingshow" escalator

• Running Direction Indicator (Optional)

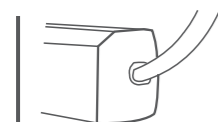
Running direction and running-forbidden display identification is installed in the handrail entrance to show the running or running-forbidden instruction to ensure the safety of passengers.





International Standard Leads to Safety Manufacturing

- Handrail inlet protection device: If a foreign matter is stuck between the rubber head and handrail, the safety switch behind the rubber entrance will work to stop the escalator.
- Emergency stop button: In case of emergency malfunction of the escalator, press the emergency stop button and immediately stop the escalator to avoid more accidents.



Handrail with entrance protection



Emergency Eutton

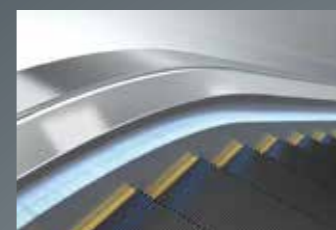
LED

Apron lighting (optional)



- **Micro-Computer Board Technology (Optional)**

Apply micro computer technology board technology. The fault detection function is, thus greatly improve the safety performance.



- **Skirting Panel Lighting (Optional)**

Apron lighting not only has beautiful light, but also stresses the escalator's visibility in the entire building, so that passengers will ride more comfortably and securely.

- **Remote Monitoring Technology (Optional)**

Able to conduct real-time monitoring over the data signals of the escalator' up, down, failure and repair can be conducted to facilitate maintenance and overhaul.





Carved Details Create Superb Quality

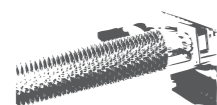
- The truss adopts the robotic welding technology, which greatly enhance the manufacturing process. It has lean quality and it is sturdy and durable, beautiful and elegant.
- The diameter of the contact roller is $\phi 75$. This can effectively reduce the wheel pressure, and improve the step chain breaking force dramatically. The safety factor will be higher.
- Large-height and high-intensity armrest guardrail is adopted. The protection height of the guardrail can amount to 1000 mm, which has improved safety performance. Meanwhile, new reinforced safety glass fixtures enable the fence to have strong stability.
- Outdoor escalator's lower machine room installs water level detection sensor. It can automatically detect the water level and find out ponding problems. (Optional)
- When the ambient temperature is so low that it affects the normal operation of the escalator, the system will automatically start the heating device to ensure the normal operation of the escalator and create a comfortable riding environment for passengers. (Optional)

$\phi 75$

Roller diameter

1000 mm

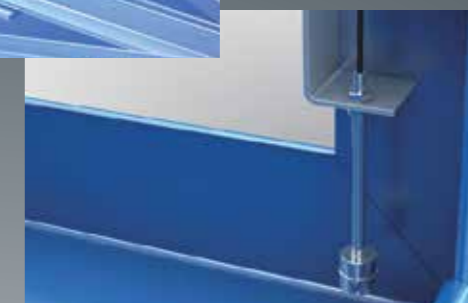
Handrail guardrail high



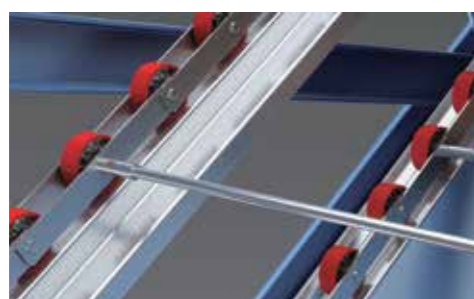
Heating device (optional)



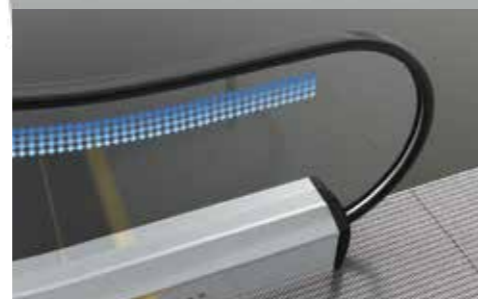
Robotic Welding



Water Level Detection Sensor (Optional)



Step Chain



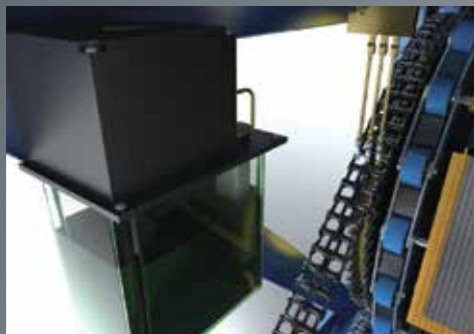
Handrail Guardrail





Green Technology Creates Environmental Pioneer

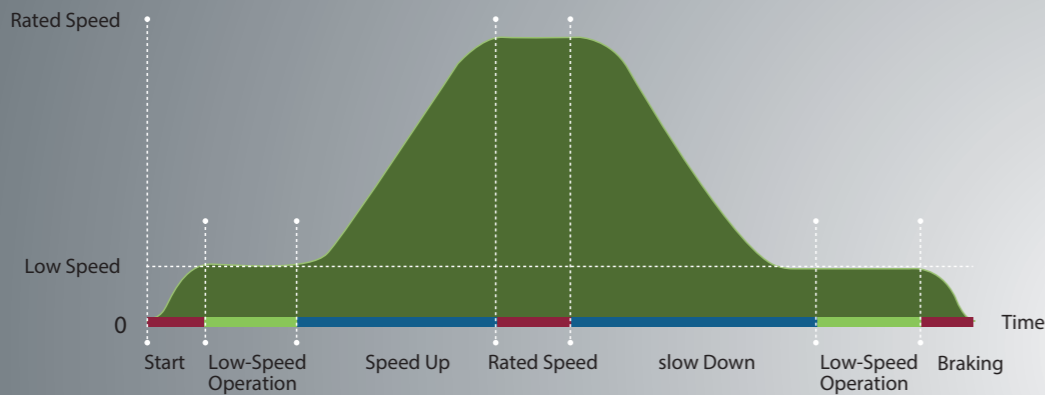
- PLC-controlled automatic oiling and lubrication system is able to give ideal automatic oiling to the transmission chain, thus extending the life of the transmission mechanism.
- All lighting equipment uses LED lighting technology. Compared with traditional bulbs, it can save up to 80 % of the energy.
- The oil-water separator is specially designed for outdoor escalators. The rainwater is discharged through the separator and the oil is cleaned regularly to reduce oil and protect the environment. (Optional)
- Frequency control technology: CANNY's newly designed inverters guarantee a steady speed adjustment in the standby mode and further reduce the energy consumption required for low speed operation. Accordingly, more energy can be saved regardless of different passenger flows. (Optional)



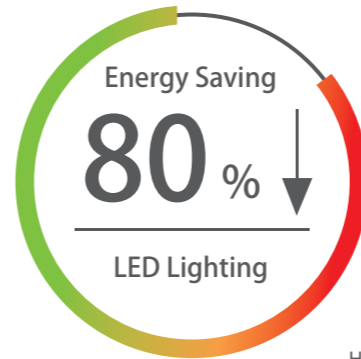
Automatic Oiling & Lubrication System



Oil-Water Separator (Optional)



Inverter Control Technology Diagram (Optional)





Fashion Trends, Mobile Landscape

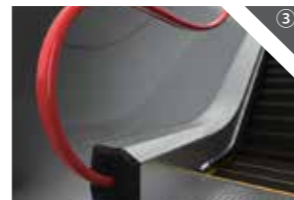
Handrail Color



Black (Standard)



Gray (Optional)



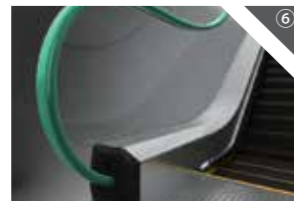
Red (Optional)



Orange (Optional)



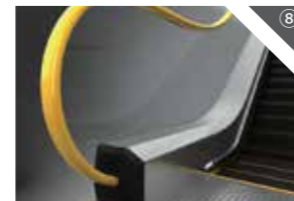
Blue (Optional)



Shallow Bluish Green (Optional)



Light Brown (Optional)



Yellow (Optional)

Balustrade Color



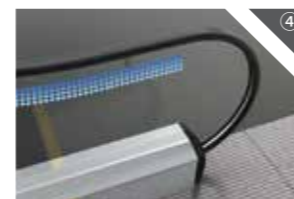
Transparent (Standard)



Gray (Optional)



Bronze (Optional)

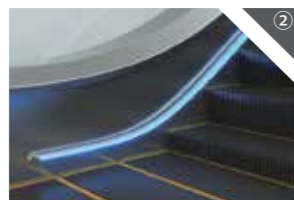


Transparent Silk Screen (Optional)

Skirting Lighting



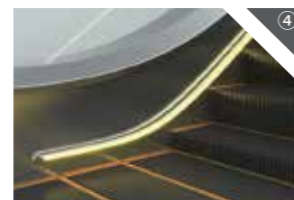
White (Optional)



Blue (Optional)



Red (Optional)



Yellow (Optional)

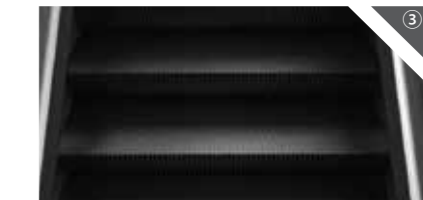
Step



Black Stainless Steel C-Type Plastic Frame (Standard Configuration for Indoor escalator)



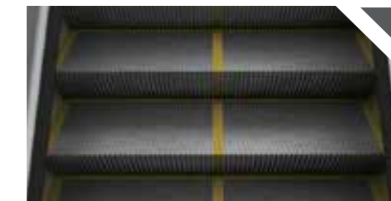
Silver Grey Aluminum Alloy C-Type Frame (Standard Configuration for Outdoor escalator)



Black Aluminum Alloy (Optional)



Frame Spraying C-Type (Optional)

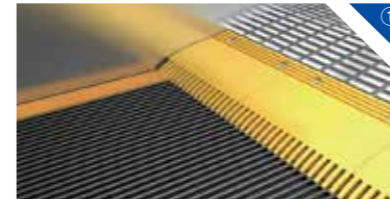


Frame Spraying E-Type (Optional)

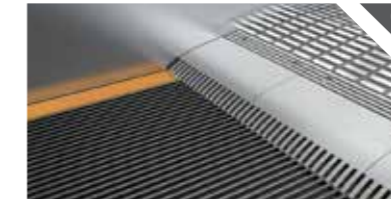


Frame Yellow Plastic E-Type (Optional)

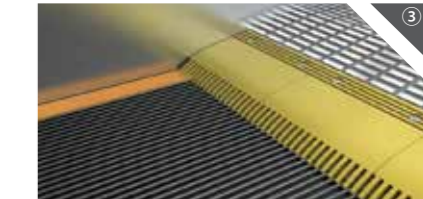
Comb Teeth



Yellow Plastic (Standard)



Aluminum (Optional)

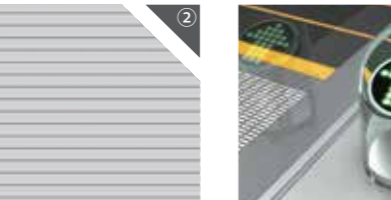


Aluminum Surface Yellow Paint (Optional)

Landing Plate



Stainless Steel Square Patch (Standard)



Aluminum Patch (Optional)

Running Direction Indicator



Transparent Plastic LED Display (Optional)



Black Plastic Dot Matrix Display (Optional)

Note: Pictures have been drawn by computer. It might be slightly different from actual colors. Please take real product as criterion.

KLF-K/KLF-M F-Type Escalator



KLF-BK/KLF-BM B-Type Escalator



Specification Table

Model	KLF-K / BK	KLF-M / BM	KLF-K / BK	KLF-M / BM
Angle of inclination	35°/30°	35°/30°	35°/30°	35°/30°
Step width(mm)	1000/800/600	1000/800/600	1000/800/600	1000/800/600
Running speed(m/s)	0.5	0.5	0.5	0.5
Horizontal step number	2	3	2	3
Rise height H(m)	≤6	≤6/≤10	≤6	≤6/≤10

Configuration Table

Model	KLF-K/KLF-M	KLF-BK/KLF-BM
Types of Pedals and Comb Plate(Standard)	SUS430 Stainless Steel Patch Floor Cover	SUS430 Stainless Steel Patch Floor Cover
Types of Pedals and Comb Plate(Optional)	All Aluminum Floor Cover / Aluminum Patch Floor Cover / SUS304 Stainless Steel Patch Floor Cover	All Aluminum Floor Cover / Aluminum Patch Floor Cover / SUS304 Stainless Steel Patch Floor Cover
Skirting Panel(Standard)	SUS430 Stainless Steel Skirting Panel	SUS430 Stainless Steel Skirting Panel
Skirting Panel(Optional)	SUS304 Stainless Steel Skirting Panel	SUS304 Stainless Steel Skirting Panel
Step(Standard)	Black Stainless Steel	Black Stainless Steel
Step(Optional)	Black Aluminum Alloy /Silver Grey Aluminum Alloy	Black Aluminum Alloy /Silver Grey Aluminum Alloy
Handrail(Standard)	Black	Black
Handrail(Optional)	Black/color	Black/color
Handrail Guide(Standard)	SUS430 Stainless Steel Handrail Brackets	Aluminum Handrail Brackets
Handrail Guide(Optional)	SUS304 Stainless Steel Handrail Brackets	—
Balustrade Panel(Standard)	10 mm Colorless Toughened Tempering Safety Glass	10 mm Colorless Toughened Tempering Safety Glass
Balustrade Panel(Optional)	—	—

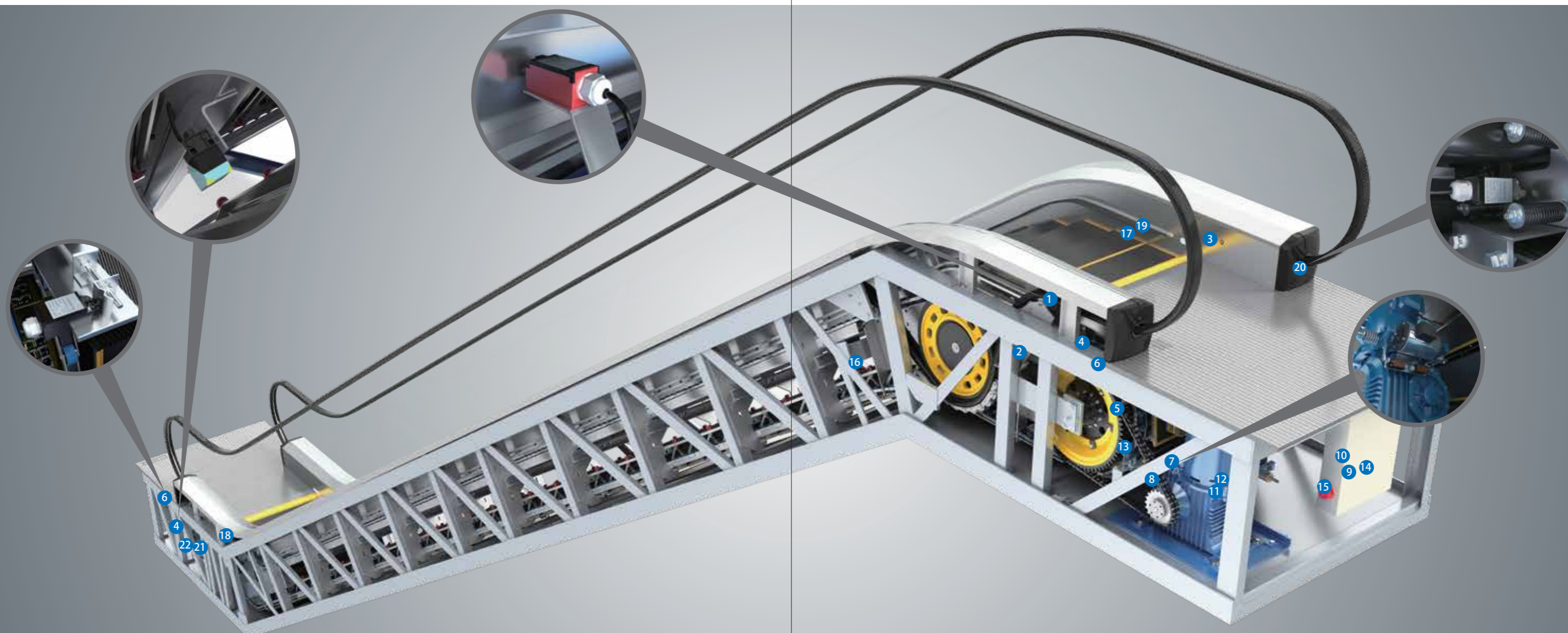
Model	KLF-K/KLF-M	KLF-BK/KLF-BM
Types of Pedals and Comb Plate(Standard)	SUS304 Stainless Steel Patch Floor Cover	SUS304 Stainless Steel Patch Floor Cover
Types of Pedals and Comb Plate(Optional)	All Aluminum Floor Cover / Aluminum Patch Floor Cover	All Aluminum Floor Cover / Aluminum Patch Floor Cover
Skirting Panel(Standard)	SUS304 Stainless Steel Skirting Panel	SUS304 Stainless Steel Skirting Panel
Skirting Panel(Optional)	—	—
Step(Standard)	Silver Grey Aluminum Alloy	Silver Grey Aluminum Alloy
Step(Optional)	Black Aluminum Alloy	Black Aluminum Alloy
Handrail(Standard)	International Well-known Brand (black)	International Well-known Brand (black)
Handrail(Optional)	International Well-known Brand (color)	International Well-known Brand (color)
Handrail Guide(Standard)	SUS304 Stainless Steel Handrail Brackets	Aluminum Alloy
Handrail Guide(Optional)	—	—
Balustrade Panel(Standard)	10 mm Colorless Toughened Tempering Safety Glass	10 mm Colorless Toughened Tempering Safety Glass
Balustrade Panel(Optional)	—	—

Safety Device

Standard Safety Device	
1 Skirting protection	9 Electrical circuit protection
2 Step gap lighting	10 Motor overload protection
3 Emergency stop button	11 Phase error or failure protection
4 Step loss protection	12 Over-speed protection
6 Comb plate safety protection device	13 Unintentional reversal of the direction of travel
7 Safety brake	14 Safety switch inspection
8 Broken drive-chain protection	15 Alarm device start

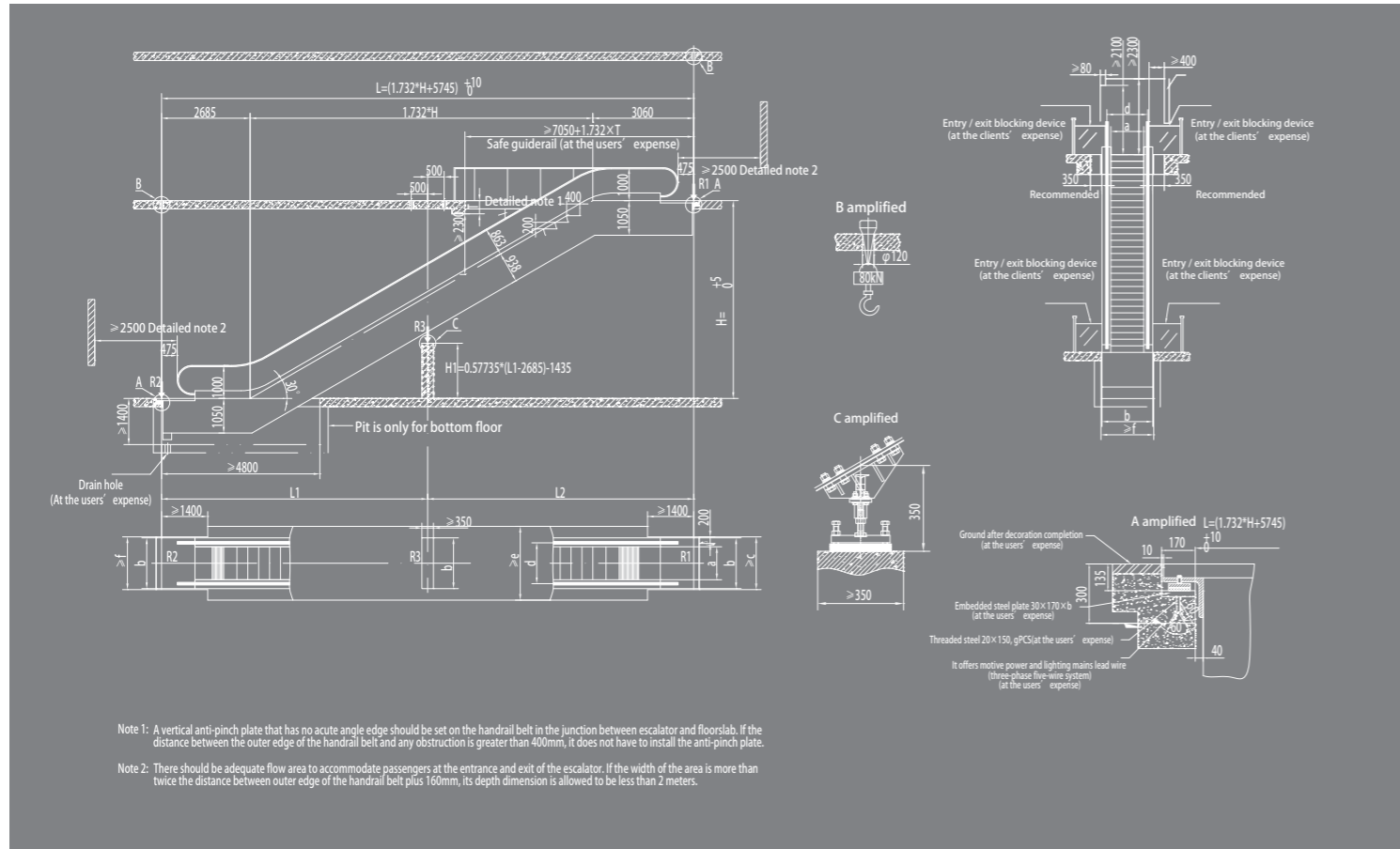
Standard Safety Device	
16 Step sagging protection device	19 Skirting brush
17 Warning line	20 Handrail inlet
18 Handrail speed monitor	21 Broken step chain protection

Selective Safety Devices	
5 Auxiliary brake (Standard configuration when H>6m)	22 Lower machine room drain (Outdoor type)

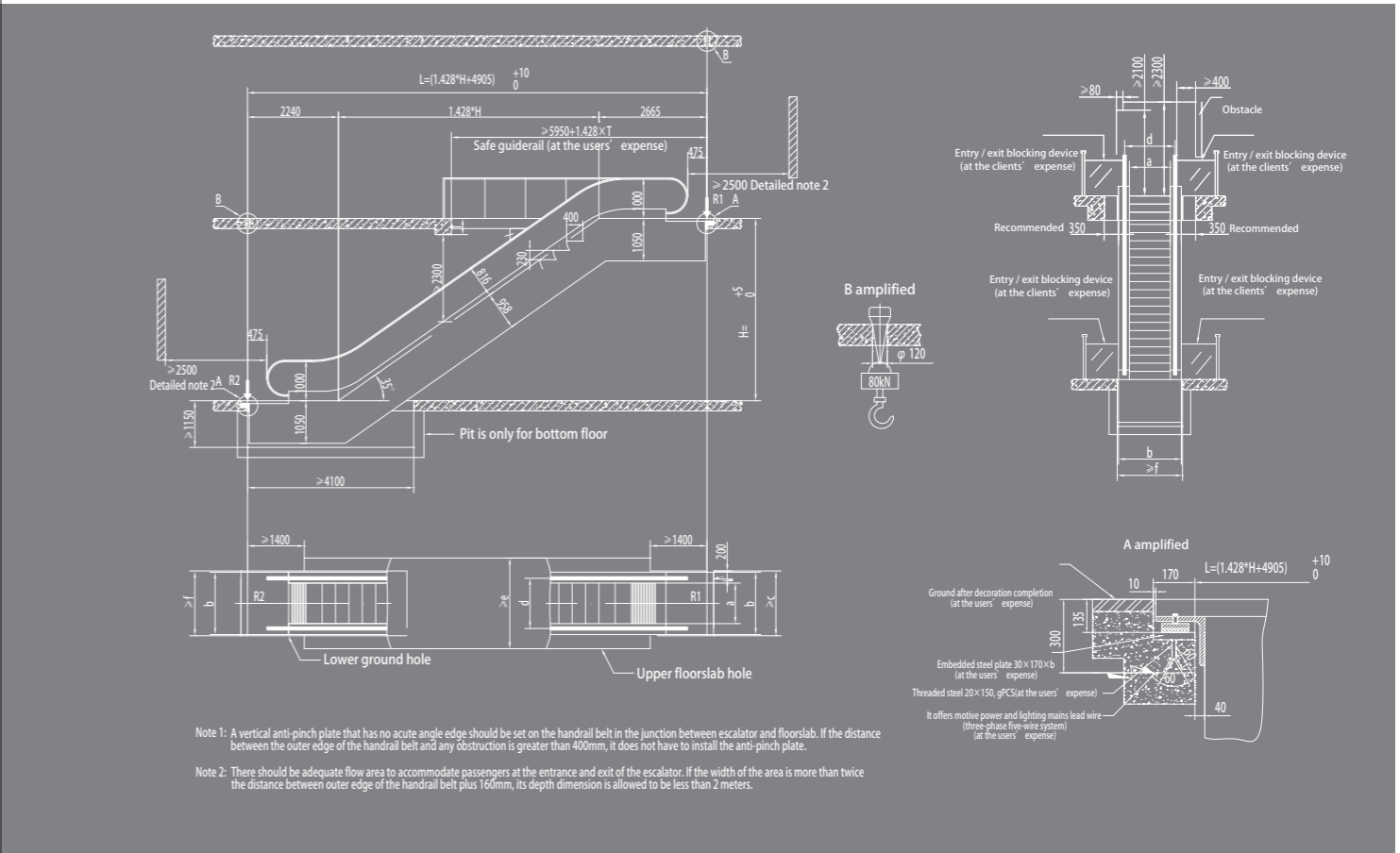


General Layout Drawing Data

KLF 30° Single (Outdoor)
 KLF30-60M / 80M / 100M Three horizontal steps $H \leq 10m$



KLF 35° Single (indoor)
 KLF35-60K / 80K / 100K Two horizontal steps $H \leq 6m$



Standard specification and dimension

Step width	a	KLF30-60M	600	KLF30-80M	800	KLF30-100M	1000
Decoration width	b	1140		1340		1540	
Construction layout opening width	c	1200		1400		1600	
Handrail spacer	d	838		1038		1238	
Safety construction layout opening width	e	1718		1918		2118	
Construction layout opening width	f	1200		1400		1600	
Threaded steel quantity (PCS)	g	4		5		6	
Running speed (m/s)		0.5		0.5		0.5	
Degree of inclination (°)		30		30		30	

Reacting force

R1 (kN)	Step width 600	$4.1 \times L2 + 15.5$	Step width 800	$4.5 \times L2 + 16.1$	Step width 1000	$5 \times L2 + 17.5$
R2 (kN)		$4.1 \times L1 + 7.8$		$4.5 \times L1 + 7.8$		$5 \times L1 + 8.5$
R3 (kN)		$4.25 \times L + 9.5$		$4.5 \times L + 10.5$		$5.2 \times L + 11.5$

L, L1, L2 unit is m. L1, L2 will not exceed 15m.

Description

This drawing is fit for the construction of 10m and below single mounted escalators.

It chooses 600mm wide step or double-drive. Upper truss shall extend 550mm more. When H≤5.7m, middle support shall be cancelled.

The Sales Dept. needs to make four copies of this drawing. Two copies shall return to the Technical Section after being stamped and signed by the users.

Size unit: mm. It is possible to change some individual sizes. If there is any alterations, advance notice won't be given then.

Standard specification and dimension

Step width	a	KLF35-60K	600	KLF35-80K	800	KLF35-100K	1000
Decoration width	b	1140		1340		1540	
Construction layout opening width	c	1200		1400		1600	
Handrail spacer	d	838		1038		1238	
Safety construction layout opening width	e	1718		1918		2118	
Construction layout opening width	f	1200		1400		1600	
Threaded steel quantity (PCS)	g	4		5		6	
Running speed (m/s)		0.5		0.5		0.5	
Degree of inclination (°)		35		35		35	

Reacting force and power

R1 (kN)	Step width 600	$3.5 \times L + 15.5$	Step width 800	$4 \times L + 17$	Step width 1000	$4.5 \times L + 18.5$
R2 (kN)		$3.5 \times L + 10$		$4 \times L + 11$		$4.5 \times L + 11.5$
5.5KW		$3m \leq H \leq 6m$		$3m \leq H \leq 5m$		$3m \leq H \leq 4m$
8KW				$5m < H \leq 6m$		$4m < H \leq 5m$
11KW						$5m < H \leq 6m$

L unit is m.

Description

This drawing is fit for the construction of 6m and below single mounted escalators.

If it chooses 600mm of the step width, it should prolong 550mm of the upper truss.

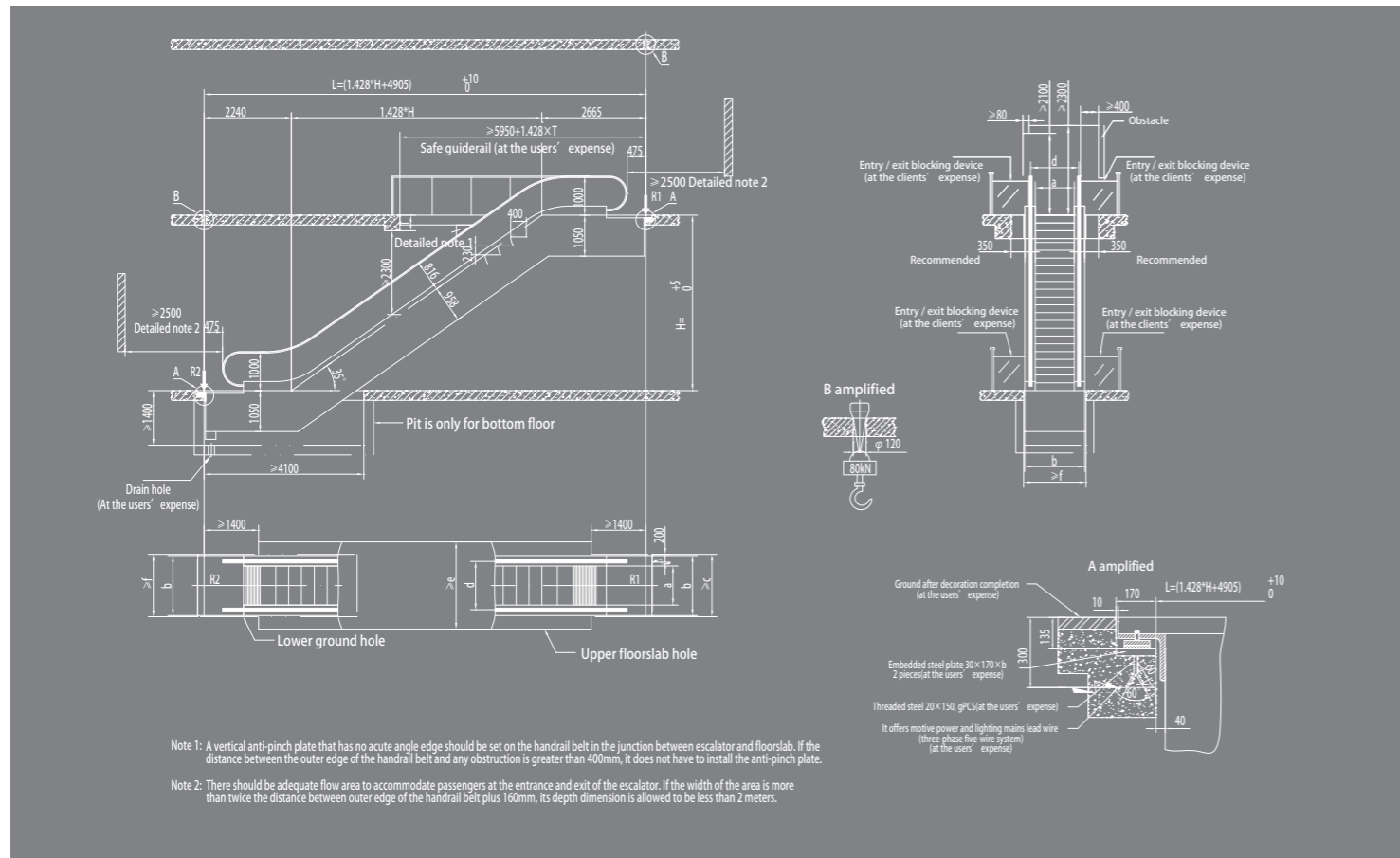
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General Layout Drawing Data

KLF 35° Single (outdoor)

KLF35-60K / 80K / 100K Two horizontal steps H ≤ 6m



Standard specification and dimension

	a	KLF35-60K	KLF35-80K	KLF35-100K
Step width	a	600	800	1000
Decoration width	b	1140	1340	1540
Construction layout opening width	c	1200	1400	1600
Handrail spacer	d	838	1038	1238
Safety construction layout opening width	e	1718	1918	2118
Construction layout opening width	f	1200	1400	1600
Threaded steel quantity (PCS)	g	4	5	6
Running speed (m/s)		0.5	0.5	0.5
Degree of inclination (°)		35	35	35

Reacting force and power

	Step width 600	Step width 800	Step width 1000
R1(kN)	3.5 × L + 15.5	4 × L + 17	4.5 × L + 18.5
R2(kN)	3.5 × L + 10	4 × L + 11	4.5 × L + 11.5
5.5KW	3m ≤ H ≤ 6m	3m ≤ H ≤ 5m	3m ≤ H ≤ 4m
8KW		5m < H ≤ 6m	4m < H ≤ 5m
11KW			5m < H ≤ 6m

L unit is m.

Description

This drawing is fit for the construction of 6m and below single mounted escalators.

If it chooses 600mm of the step width, it should prolong 550mm of the upper truss.

The Sales Dept. needs to make four copies of this drawing. Two copies shall return to the Technical Section after being stamped and signed by the users.

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