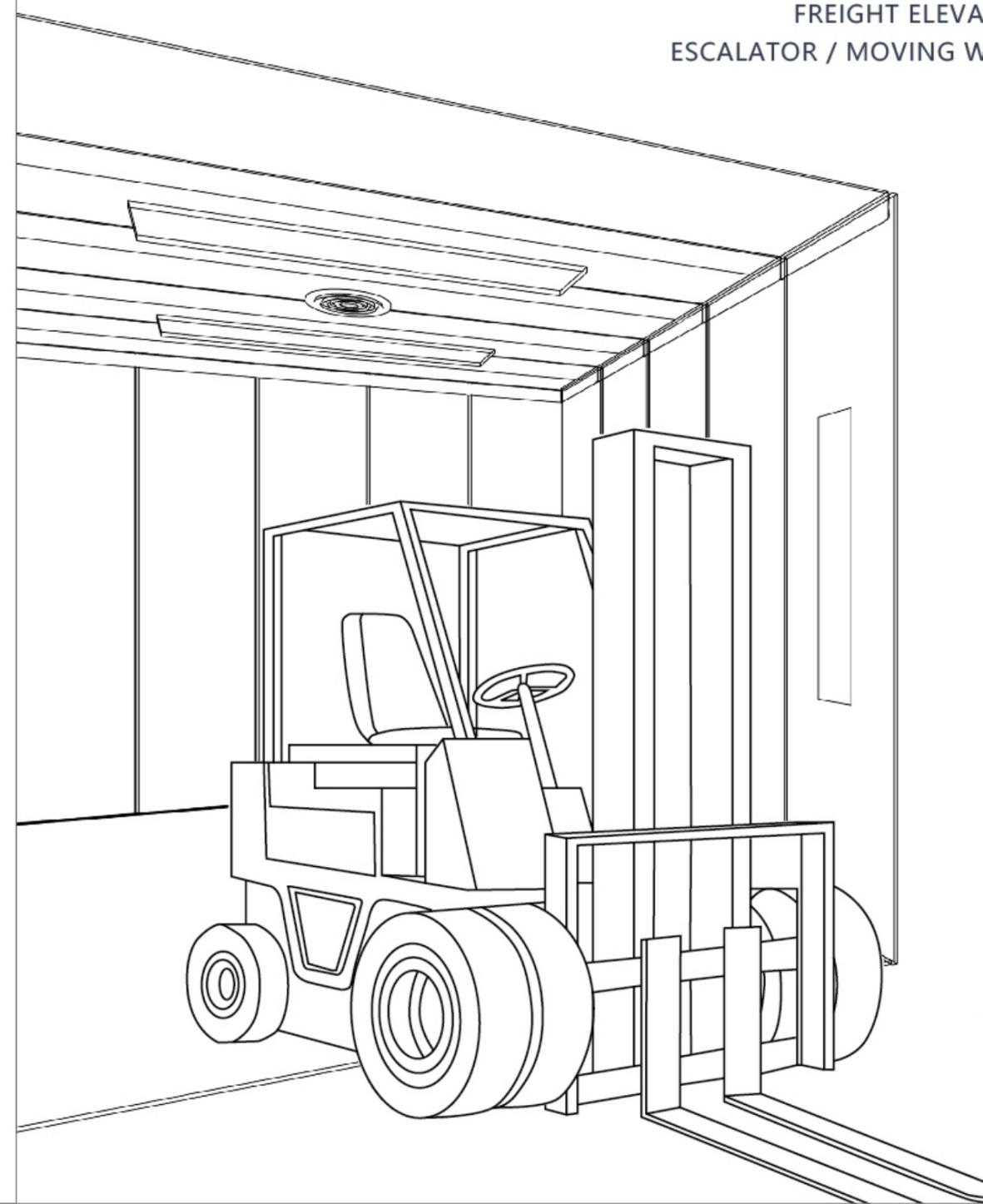




SAFE ELEVATOR

FREELY ENJOY WITH THE WORLD
INTELLECTUALLY CREATE A BRIGHT FUTURE

FREIGHT ELEVATOR SERIES
ESCALATOR / MOVING WALK SERIES



SAFE ELEVATOR (ZHEJIANG) CO., LTD.

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COMPANY PROFILES



Safe Elevator (Zhejiang) Co., Ltd. is a manufacturer of elevator, escalator and parts from China, which integrates design, manufacturing and sales. Engaged in global elevator sales for many years, combined with the global user experience able to produce different products adapted to the local market according to the needs of foreign markets in different regions. At present, it has provided the best building traffic solutions for more than 10 countries and regions in the world, and the production plant has more than 30 years of production experience about passenger elevator, sightseeing elevator, inorganic room elevator, medical elevator, cargo elevator, escalator, automatic sidewalk, villa elevator, etc.

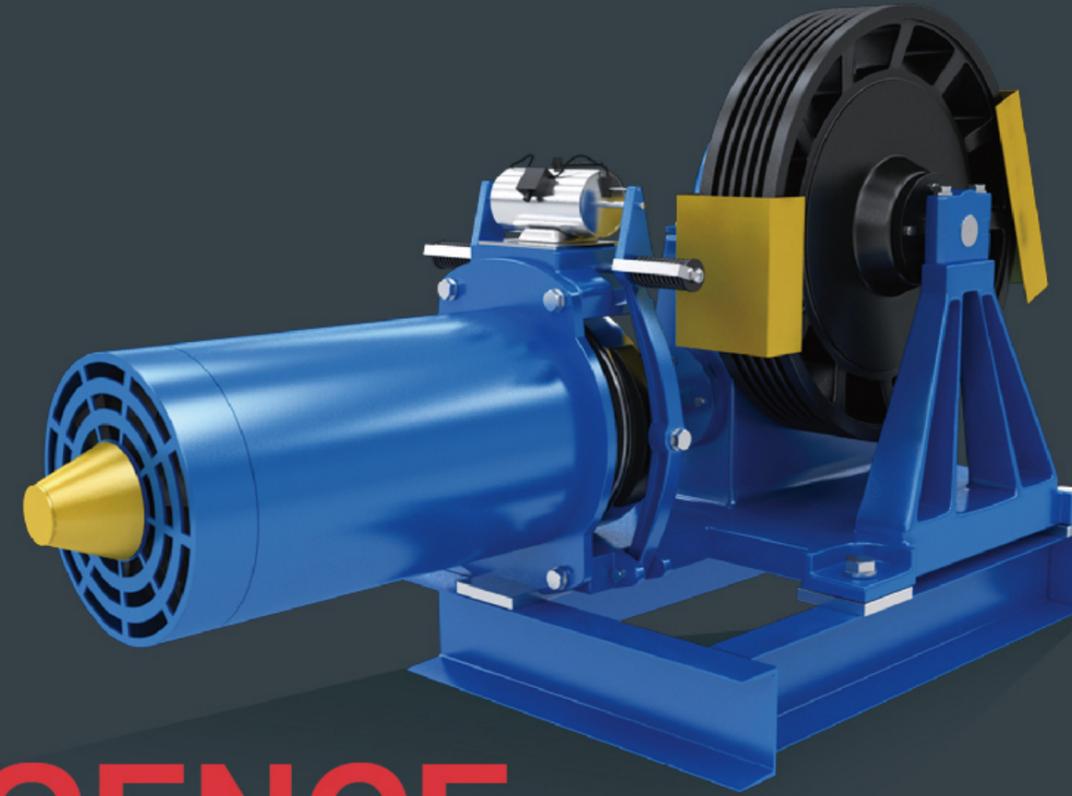
With the leading production equipment and conditions provides OEM services for the world's top elevator brands. The technical team will provide you with the best solution. The products have high safety, stability and reliability. At the same time, they have gathered the international well-known brand suppliers of elevator accessories in one elevator to meet the personalized production demand.

ADVANCED EQUIPMENT

It owns the world's leading high-tech automation equipment, international standard installation flow. It has the perfect escalator and moving walk manufacture factory houses. Every work process shows rigorous and advanced production craft & technology. It displays precise grasp to quality safety spirits from professional staff.



SAFE freight elevator applies micro-computer control system to fulfill non-contact control with simple & convenient operation, high reliability. It executes fully closed loop control technology to elevators. It effectively enhances the elevator operational properties. It reduces the power consumption.



PIONEER INTELLIGENCE EXCEEDS SPEED OF THE TIMES

Leading Technology



Innovative & intellectual technology

SAFE freight elevator applies micro-computer control system to fulfill non-contact control with simple & convenient operation, high reliability. It executes fully closed loop control technology to elevators. It effectively enhances the elevator operational properties. It reduces the power consumption.



AC variable frequency door machine

It applies variable frequency door machine control system, AC variable frequency motor, variable frequency door machine mechanical system with advanced technology. It increases safe and sensitive elevator operation. It saves energy and saves loss. It suits the higher and higher requirements from modern transport.



Light curtain protection

It forms numerous light curtain protection barriers in front of the elevator. It sensitively reacts to any object that enters into its probing range. It efficiently protects safety of both passengers and goods. It has intensive infrared light curtains in the plane of car door. It can not be seen by human eyes. It brings about the more attractive elevator entry.



Smooth & durable operation

SAFE freight elevator applies advanced technology and firm materials. Elevator running is not afraid of any harsh environments. It ensures safe, smooth and quick up / down motion of freight elevator.



Large door-opening distance, high cost performance

It applies multi-folded hall / car door. It fulfills maximum door-opening width. It is convenient for entry / exit of large goods.



VVVF variable frequency technology saves a lot of energy

Variable frequency freight elevator applies VVVF voltage & speed regulation technology. It greatly reduces elevator running power consumption and power supply capacity. Compared with traditional AC double-speed drag elevator, it saves 30% to 50% of energy.



Safe & reliable structure, high strength

High intensity plate bending & shaping technology guarantee the firm and solid elevator car. In addition, the company specially designs anti-collision guard-rail to carry out multiple protection to elevator cars.



Highly accurate leveling

Leveling accuracy can be controlled within mm-level range.



We apply the fully computerized modular elevator special control system, effective and reliable drive mode, sensitive and flexible VVVF variable frequency door machine for **SAFE** serial freight elevator so that our elevator can have relaxed transport under various work conditions. High strength car structure, anti-collision strip, photocell door setting can satisfy all kinds of the freight transport. They are also applicable for different building structures. As a result, we can tackle more and more transport tasks at ease and create a completely new freight carrying concept as well.

FREIGHT ELEVATOR



Large width door-opening satisfies free entry / exit of large goods;



High intensity compression-resistant section material satisfies transport of large weight goods;

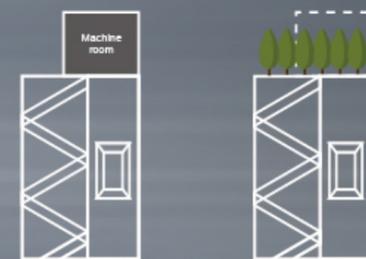


Highly intensive leveling effect satisfies entry and exit of both passengers and goods;



SAFE machine roomless freight elevator takes low carbon environment protection as design concept. It saves energy and reduces loss. It utilizes the well space to the greatest extent. It regards saving the building area and decreasing the building cost as ultimate goal. It gives a full play of green humane spirits of the products. Compared with geared elevator with same load level, it can save 40% of electric energy, 10% of building area.

MACHINE ROOMLESS FREIGHT ELEVATOR



Ordinary freight elevator

Machine roomless freight elevator

It saves 25% of total elevator equipment area.
It reduces 40% of space occupation.



SAFE automobile elevator develops and manufactures automobile elevator through introducing, absorbing, transforming and enhancing the well-developed international car elevator technology. Advanced technology removes bad factor of shaking car. It is caused by noise due to burdened traction system out of uneven force to elevator car. It optimizes the characteristics of the product series.

AUTOMOBILE ELEVATOR



Two car operation panels
can be set in the car cabin



Special circuit control
and display system



Safety guide device



The elevator cabin can
have two entrances

Freight elevator Car decoration



Standard

Ceiling: Paint steel
Car wall/Car door: Paint steel
Illumination: LED light
Door opening mode: Side opening
Floor: Checkered plate



Optional

Ceiling: Hairline stainless steel
Car wall/Car door: Hairline stainless steel
Illumination: LED light
Door opening mode: Center-opening & doublefolded type
Floor: Checkered plate

Human-machine Interface



BL-208

BL-209

BL-208 Standard

Panel material: Hairline stainless steel
 Button: Round button
 Display screen: Broken-code display screen

BL-209 Optional

Panel material: Hairline stainless steel
 Button: Square button
 Display screen: Broken-code display screen

Landing door series



BO-TM01
Center opening



BO-TM02
Side opening

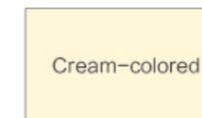


BO-TM03
Double-folded center opening type



BO-TM04
3-Folded center opening type

Color card series



BO-Y01



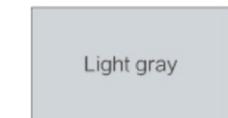
BO-Y02



BO-Y03



BO-Y04



BO-Y05

● The pictures are plotted by computer and are likely somewhat different from the actual products.

Freight elevator Function

Control function

Well and floor distance self-tuning	S
Power on re-leveling	S
Micro-touch button for car	S
Start protection control	S
Car arrival chime	O
VVVF drive	S
VVVF drive for door operator	S
The second car operation panel	O

Safety function

Light curtain protection	S
Overload holding stop	S
Terminal forced slow-down protection	S
Up/down limit and terminal protection	S
Down over speed protection	S
Up over speed protection	S
Safely stop	S
Inching operation	S
Inspection operation	S
Power failure emergency leveling device	O
Anti-nuisance	O
Fire emergency return	O

Information function

Full collective control	S
Full-load bypass	S
Main floor shut off	S
Self diagnosis of breakdown	S
Five-way communication	S
Car alarm	S
Floor and direction indicator in the car	S
Floor and direction indicator at hall	S
Voice announcement	O
Traffic dispatch	O

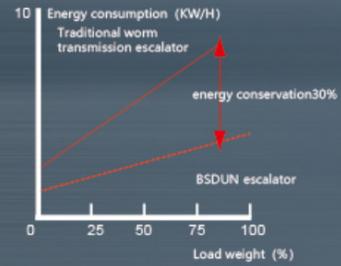
Comfortable function

Emergency car lighting	S
Car ventilation light automatically shut off	S
Repeated door closing	S
Reopen with hall call	S
Express door closing	S
Car stop and door open	S
Door opening time extending	O

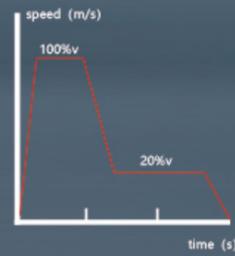
S- Standard
O- Optional(with extra cost)

Remark: Please refer to BSDUN technical documents and contact our BSDUN sales person for details.

SAFE escalator surpasses your desires! It is widely applicable for large passenger flow areas such as the shopping center, supermarket, subway, airport etc. It adds a bright and flowing scene for your building.



Schematic diagram of efficiency of helical gear reducer compared with worm gear reducer



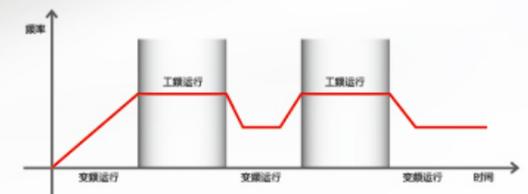
Operation diagram of frequency conversion specification

ESCALATOR

It gives first priority to use VVVF variable frequency technology, ergonomics research fruits and advanced manufacture technology. It brings about the more perfect **SAFE** escalator safety and comfortable travel. Meanwhile, users can save more and more energy. It is more convenient in repair.

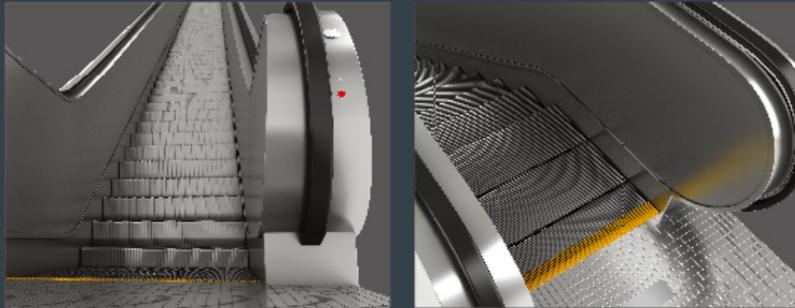
SAFE automatic walkway in the colorful modern city, large supermarkets, public buildings, airports, exhibition centers and transit stations and other public transport occasions, the automatic walkway because of its own characteristics, not only to meet the traffic problems, but also to meet long-distance walking and baggage trucks, Baby carts, shopping carts, disabled cars, etc. make people feel like walking on the ground when they go upstairs and downstairs, especially when shopping, which greatly facilitates people's travel and shopping.

MOVING WALK



In various public traffic & transport occasions such as large-size supermarket; public building; airport; exhibition center; transport change-over station etc. in busy and colorful modern cities, SAFE moving walk satisfies the transport problems of large passenger flow. It also meets the requirements of long-distance walk, delivery of luggage cart; shopping cart; vehicle for disabled etc. because of its own characteristics. People feel as easily as walking on firm earth during up / down shopping motion. Therefore it is greatly convenient for people's outing and shopping.

SAFE public traffic type escalator is significant achievement along innovative steps of SAFE elevator. It initiates upon new highlight in domestic and overseas outdoor public traffic type escalator field. It extends the practical product range to a broader extent.



HIGH RISE PUBLIC TRAFFIC TYPE ESCALATOR



Have a panoramic view of flowing scene

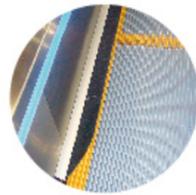
Innovative Technology

Emergency Stop Button

Once this button is pressed, down the passenger conveyor comes into an emergency stop.

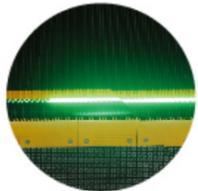
Skirt panel brush

Brush is installed between step and skirting so that the passengers' shoes do not touch the skirt panel.



Demarcation lamp

Soft and green fluorescent light sends out from the engaging teeth in-between two adjacent steps (treads) in up / down end. It reminds the passengers to pay attention to the step entry / exit horizontal section. It thus enhances the travel safely.



Speed Detection By Drive Chain-wheel Device

When the escalator is reversible or over-speed, the sensor can detect the corresponding input signal. It transmits the signal to main control panel and the escalator host brakes safely.

Automatic Lubricator

It is controlled by micro-computer. It gives lubricating signal within the set period. It automatically connects with hydraulic pump for oiling and lubrication.

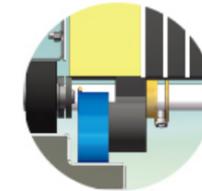


Antibiotic Handrail

The antibiotic handrail can prevent pathogen transmission effectively and the ride be made in safe and sanitary environment.

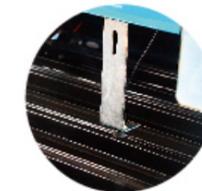
Side guide high accuracy step guide rail system

High rigidity big profile guide rail with nose used as transverse step positioning, guarantee the minimum gap between the skirt and step, decrease the possibility of objects clamp in between.



Step Loss Protection Device

The detector is in driving station and steering station respectively. It ensures that the gap out of step (tread) loss does not appear in the entry in up / down motion. Driving station and steering station sets protective detection functions. They shall be verified respectively under normal operation conditions. After the device acts, it can only be reset manually.



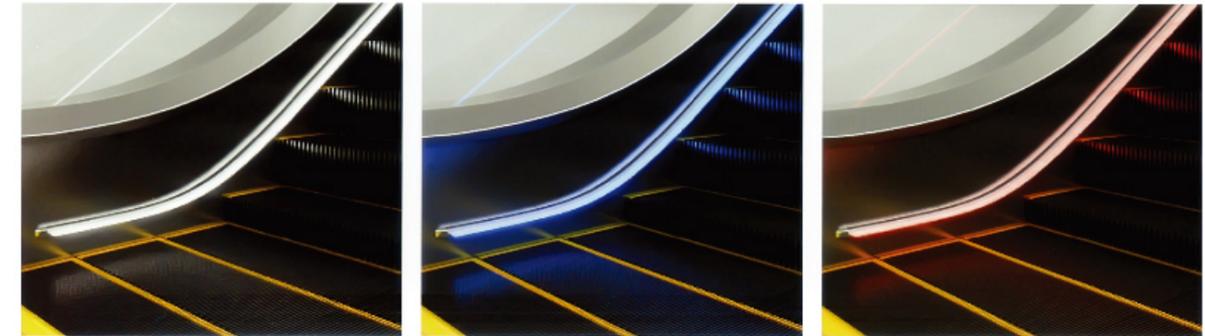
Standard Function

Func.name	Func.description
Static electricity protection	•Eliminate static electricity raised from running of steps.
Emergency stop button	•Push the emergency stop button to stop the escalator/moving walk against emergency raise.
Skirting protection	•Protection against risk of foreign bodies being jammed into clearance between steps and skirting.
Handrail entry safety protection	•Protection against risk of foreign bodies being jammed into handrail entry.
Main drive chains safety protection	•Protection against risk of drive chains being breakage or undue elongation.
Over-speed protection	•Protection against risk of speed being over 20% of rated speed.
Under-speed protection	•Protection against risk of speed less than 80% of rated speed.
Un-intentional reversal protection	•Protection against risk of unintentional reversal protection.
Lack of phase, error phase protection	•Protection against risk of phase failure.
Short circuit protection	•Protection against risk of short circuit.
Over-load protection	•Protection against risk of motor continually over-load.
Step sagging protection	•Protection against risk of steps being breakage and sagging.
Broken step chain protection	•Protection against risk of step chains being breakage or under elongation.
Comb teeth safety protection	•Protection against risk of foreign bodies being trapped at the point where the step enter the comb.
Handrail speed and broken handrail monitor	•It detects the handrail speed and monitors the broken handrail.
Skirting anti-clamp device	•It sets protection brush in the skirting on both sides of the step.
Step missing detection	•It detects the step missing in the stairway.
The brake opens the monitor switch	•It monitors whether the brake opens or not in during the escalator running.
Handwheel and handwheel protection cover open safety	•During the use of handwheel, when open the handwheel and the handwheel protection cover, the safety switch will cut the safety circuit against escalator running.
Floor-plate monitor switch	•When the pit cover plate opens, it cuts off safety circuit and stops the escalator safety switch.
Monitor of brake distance	•It monitors brake distance of the escalator and auto-walk.

Style-changing, configuration heart

Skirting panel lighting

White / Blue / Red



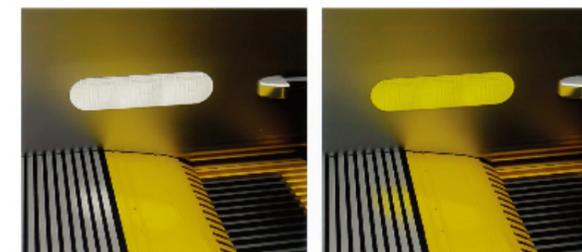
Handrail color

Gray / Red / Orange / Blue



Comb teeth lighting

White LED / Yellow LED

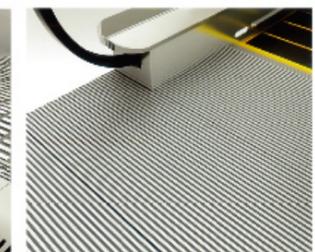


Comb teeth

Aluminum



Leading edge board, floor plate



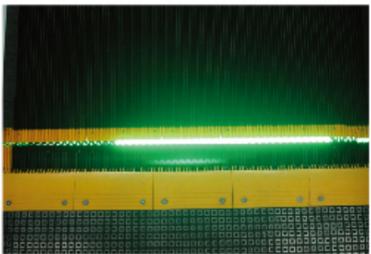
Optional Function



Intermittent operation
(automatic start / stop)



Running direction indication



Demarcation lamp

Soft and green fluorescent light sends out from the engaging teeth in-between two adjacent steps (treads) in up / down end. It reminds the passengers to pay attention to the step entry / exit horizontal section. It thus enhances the travel safely.



Automatic Lubricaor

It is controlled by micro-computer. It gives lubricating signal within the set period. It automatically connects with hydraulic pump for oiling and lubrication.



Heating device

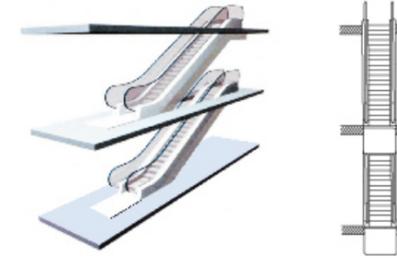
Each escalator usually installs three heating devices. One is beside the host in the upper machine room. It mainly heats the host. The second is installed in the mid escalator. And the third is in the lower part. It mainly heats the whole escalator.



Oil / water separator
(Apply to outdoor type)

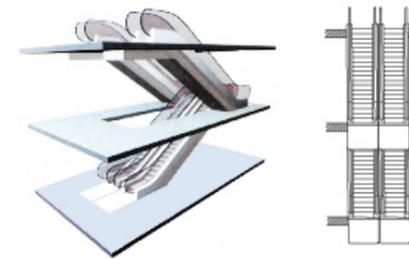
It separates the escalator oil and water. Rain exhausts through oil / water separator. We regularly clean oil mainly for the environmental protection purpose.

Perfect Layout



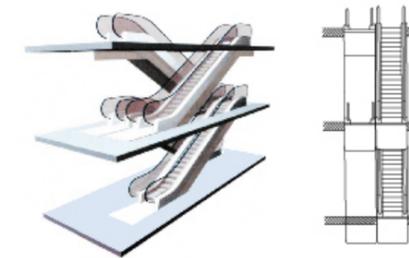
Intermittent layout style (one-way traffic)

Suitable for small-sized shopping malls with three floors.



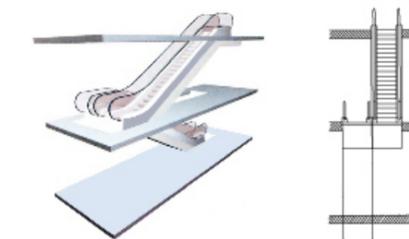
Parallel and continuous layout style
(two-way traffic)

The layout of this type may cause slight inconvenience to shoppers, but advantageous for shopping mall owners since they can market certain products and services to shoppers on their way to change escalators.



Cross and continuous layout
(two-way traffic)

Installed in buildings with multiple floors, the crisscross layout can travel in two directions to limit the traveling time between floors. This type is widely used in shopping malls and now being used more and more in government institutes and public places.

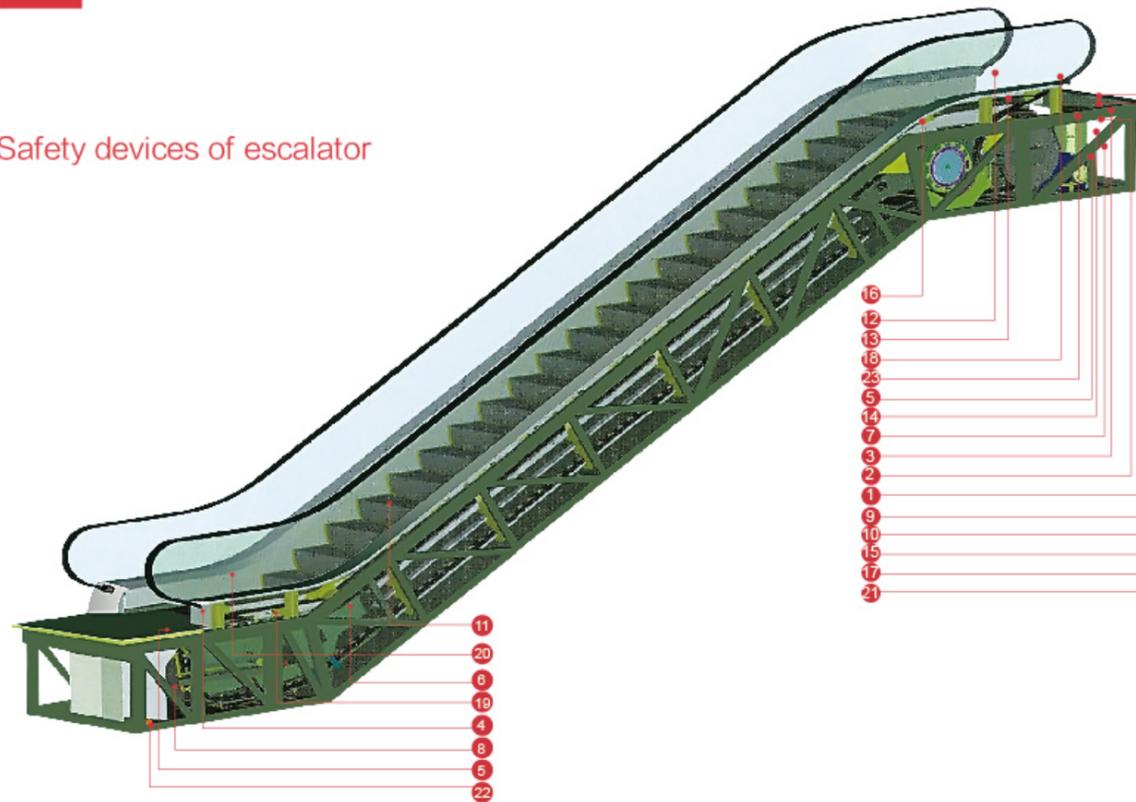


Continuous layout style (one-way traffic)

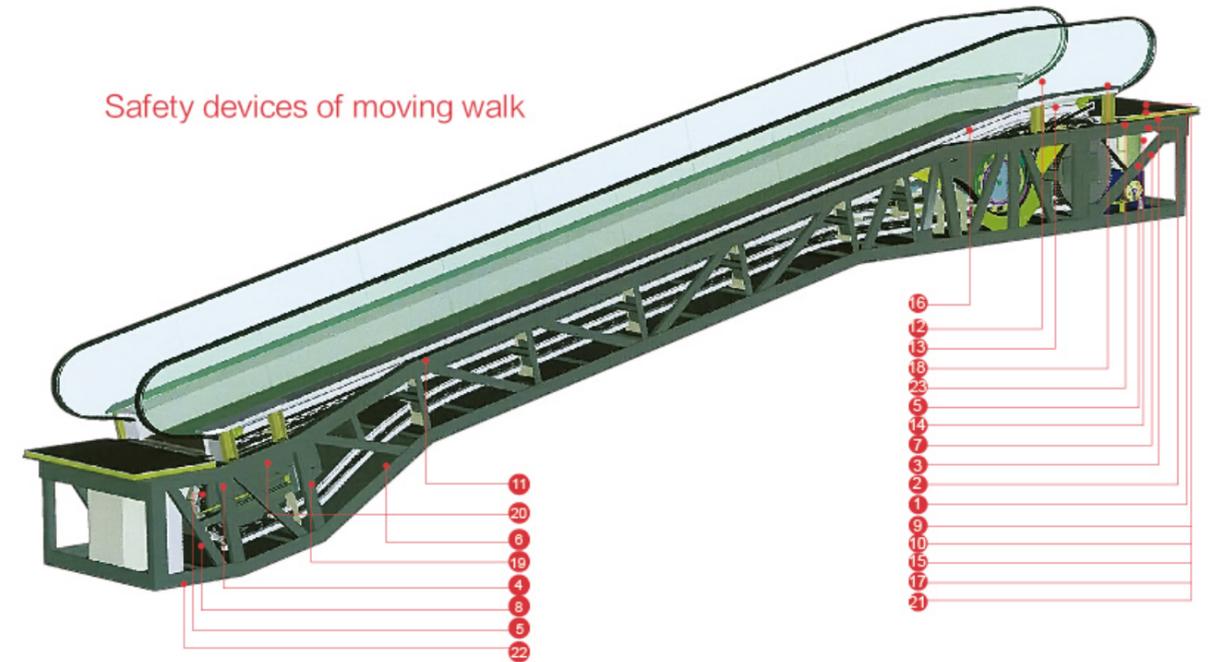
Continuous layout type escalator and moving walk can connect several floors, but they need more space than the inconsistent layout.

Safety devices

Safety devices of escalator



Safety devices of moving walk



Standard Safety Device

1. Lack of phase, error phase protection:
If lack of phase or error phase has been checked out, the escalator (auto-walk) will automatically stop the operation.
2. Motor over-load protection:
When the current exceeds 15% of the current rating, the escalator will automatically stop the operation.
3. Electrical appliance loop protection:
It offers the automatic circuit disconnecting device to protect the circuit and mains components of the escalator (auto-walk).
4. Handrail inlet protection:
When some foreign substance has been clipped in the handrail inlet, the escalator (auto-walk) will automatically stop the operation.
5. Comb plate safety device:
When some foreign substance has been clipped in or between the combs, the escalator (auto-walk) will automatically stop the operation.
6. Step sagging protection device:
When there is abnormal step bending, the escalator (auto-walk) will stop the operation before the step entering into the comb plate.

7. Broken drive-chain safety device:
when the drive-chain has been over-stretched or it is broken, the escalator (auto-walk) will automatically stop the operation.
8. Broken step chain protection:
when the step (plate) chain has been over-stretched or it is broken, the escalator (auto-walk) will automatically stop the operation.
9. Over-speed protection:
When there is over-speed to the escalator (auto-walk), it will automatically stop the operation.
10. Direction reversal protection:
when it comes the unintentional reversal of the direction of travel, the escalator (auto-walk) will automatically stop the operation.
11. Security line:
The yellow synthetic resin security line is located in the front position and two sides of the escalator tread so that the passengers will not tread in-between the edge of the adjacent step and the lift group lengthened skirt panel. The security line on both sides of the step is higher than the tread surface. (The auto-walk offers the selective yellow spray-painted security line.)
12. Emergency stop button:
When the button has been pressed down, the escalator (auto-walk) will stop the operation.

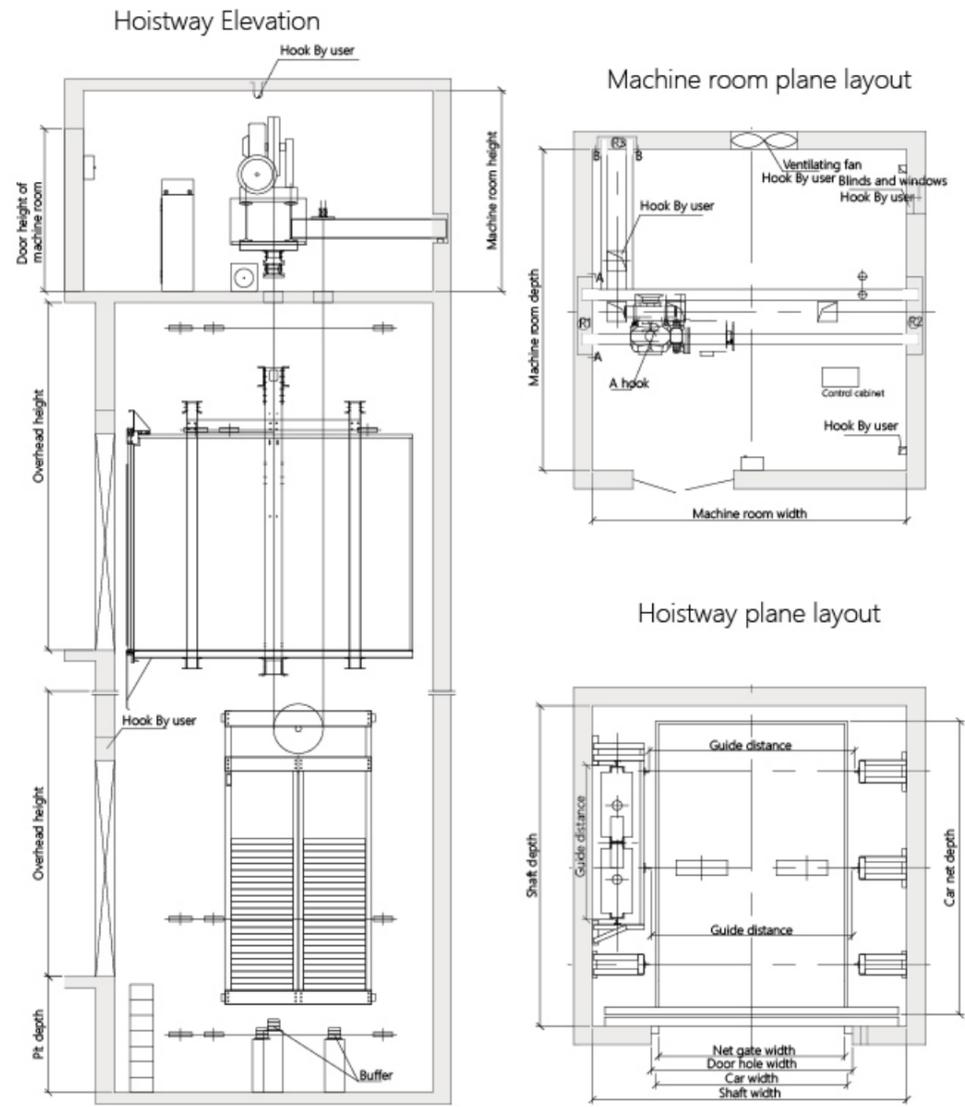
13. Skirt panel protection:
When some foreign substance has been clipped in between the skirt panel and the step, the escalator (auto-walk) will automatically stop the operation.
14. Brake protection:
When the electric force falls short of supply or it acts any of the safety device, the brake function goes into effect by the safety device through the spring resilience action. In this way, the escalator (auto-walk) stops the operation.
15. Safety inspection switch:
It is a safety device to prevent from the escalator starting during the inspection and maintenance.

16. Cascade lighting:
Illumination exists in the upper and lower ends of the escalator, in the lower part of the step in order to remind the passengers of the security matters.
17. Alarm bell starting device:
The alarm bell rings when it starts the escalator in order to remind the passengers of the security matters.
18. Control device for handrail breakage:
When the handrail is broken, the escalator will automatically stop the operation.

Optional Safety Device

19. Handrail speed monitor:
When the handrail speed versus step is slower than certain percentage, the escalator (auto-walk) will stop the operation.
20. Skirt panel brush:
It is a selective safety device. The brush that has been installed between the skirt panel and the step will prevent the passengers from touching the skirt panel. (It is not merely restricted to the escalator.)
21. Fire-proof rolling door device:
when this device comes into action, it can stop the escalator (auto-walk) operation. It has been installed near the escalator (auto-walk).
22. Lower machine room drain:
When it exceeds the standard to water intake in the lower machine room, it will operate the automatic drain system. (outdoor type)
23. Emergency brake:
It prevents from the escalator slide and ensures the human security in case of the drive chain breakage or the out-of-order of the brake. (It should be allocated with the emergency brake when $6m < H$.)

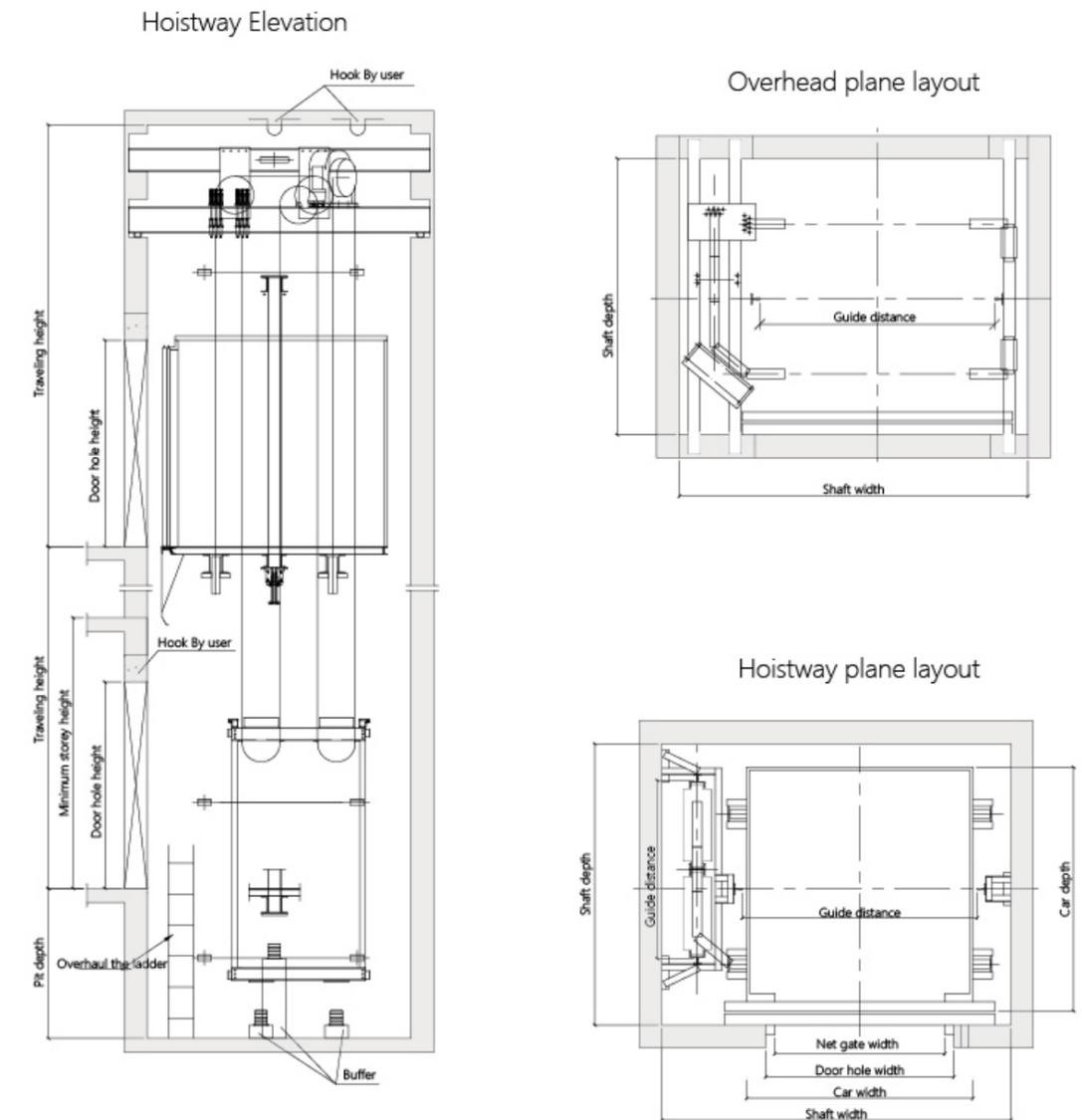
Freight elevator Construction sketch



Freight elevator specifications

Load (kg)	Speed (m/s)	Door opening type	Car door entrance	Door opening size		Hoistway net size (mm)			Machine room size (mm)	
				(Width x Depth) mm	(Width x Depth) mm	(Width x Depth)	Pit depth	Overhead height	(W) x (D) x (H) mm	
1000	0.5~1.0	Double-folded side opening	single car door	1200*2100	1500*1800	2300*2100	1500	4500	2900*2700*2500	
			opposite door							
2000	0.5~1.0	Double-folded side opening	single car door	1500*2100	1900*2400	2800*2700	1500	4500	2800*2700*2500	
			opposite door							1900*2500
		Center-opening & double-folded	single car door	1600*2100	1900*2400	2900*2700	1500	4500	2900*2800*2500	
			opposite door							1900*2500
3000	0.5	Center-opening & double-folded	single car door	1800*2100	2400*2500	3400*2900	1500	4500	3400*2900*2500	
			opposite door							2400*2700
5000	0.25~0.5	Center-opening & double-folded	single car door	2400*2400	3000*3200	4200*3700	1600	4800	4200*4500*2500	
			opposite door							2900*3400

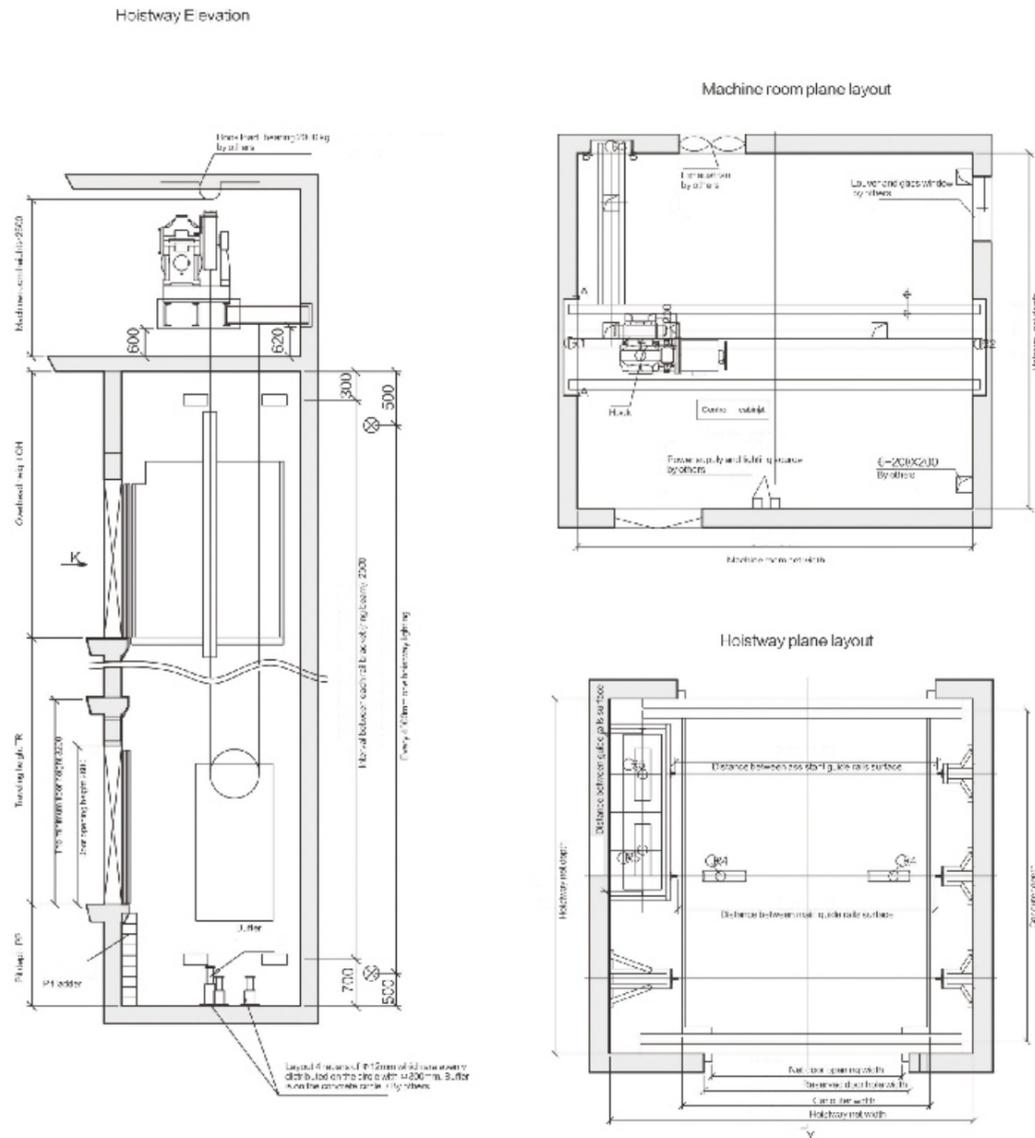
Machine roomless freight elevator Construction sketch



Machine roomless freight elevator specifications

Load (kg)	Speed (m/s)	Door opening type	Door opening size		Car outer size		Hoistway net size (mm)		
			(Width x Depth) mm	(Width x Depth) mm	(Width x Depth) mm	Pit depth	Overhead height		
1000	1.0	Double-folded side opening	1200*2100	1500*1800	2300*2200	1600	4500		
2000	1.0	Double-folded side opening	1500*2100	1900*2400	2900*2700	1600	4500		
3200	0.5	Center-opening & double-folded	1800*2100	2400*2800	3700*3200	1800	4800		

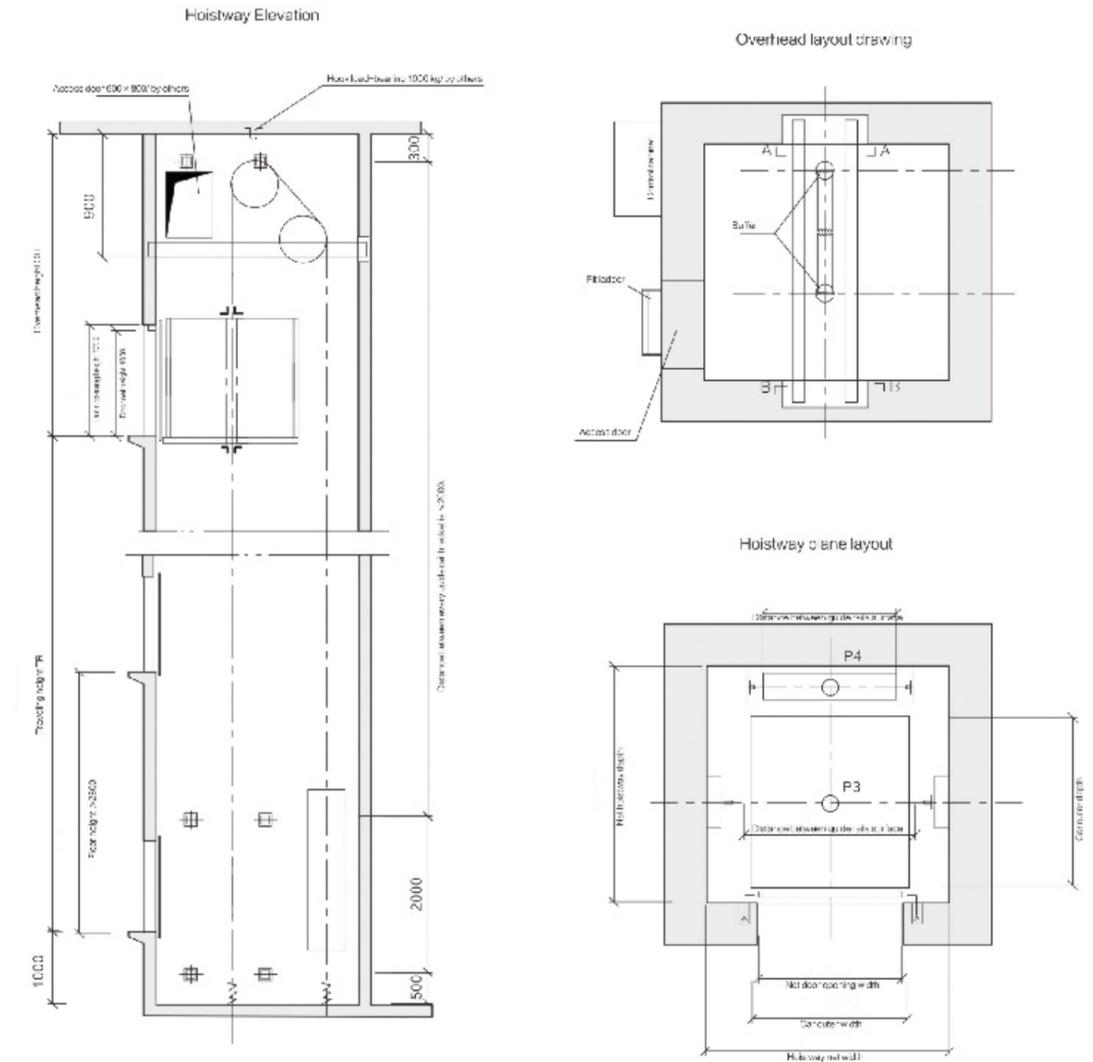
Automobile elevator construction sketch



Automobile elevator specifications

Load(kg)	Speed(m/s)	Door opening type	Car door entrance	Door opening size (WidthxDepth) mm	Car inner size (WidthxDepth) mm	Hoistway net size (mm)			Machine room size (mm) (W ₁ x D ₁)xH ₁
						(WidthxDepth) mm	Pit depth	Overhead height	
3000	0.25-0.5	Center-opening & double-folded	single car door opposite door	2500*2400	2500*5900	4200*8500	1800	5200	4200*5500
					2500*5900				4200*8400
5000	0.25-0.5	Center-opening & double-folded	single car door opposite door	3000*2500	3800*6500	5200*7200	1800	5200	5200*7200
					3800*6500				5200*7000

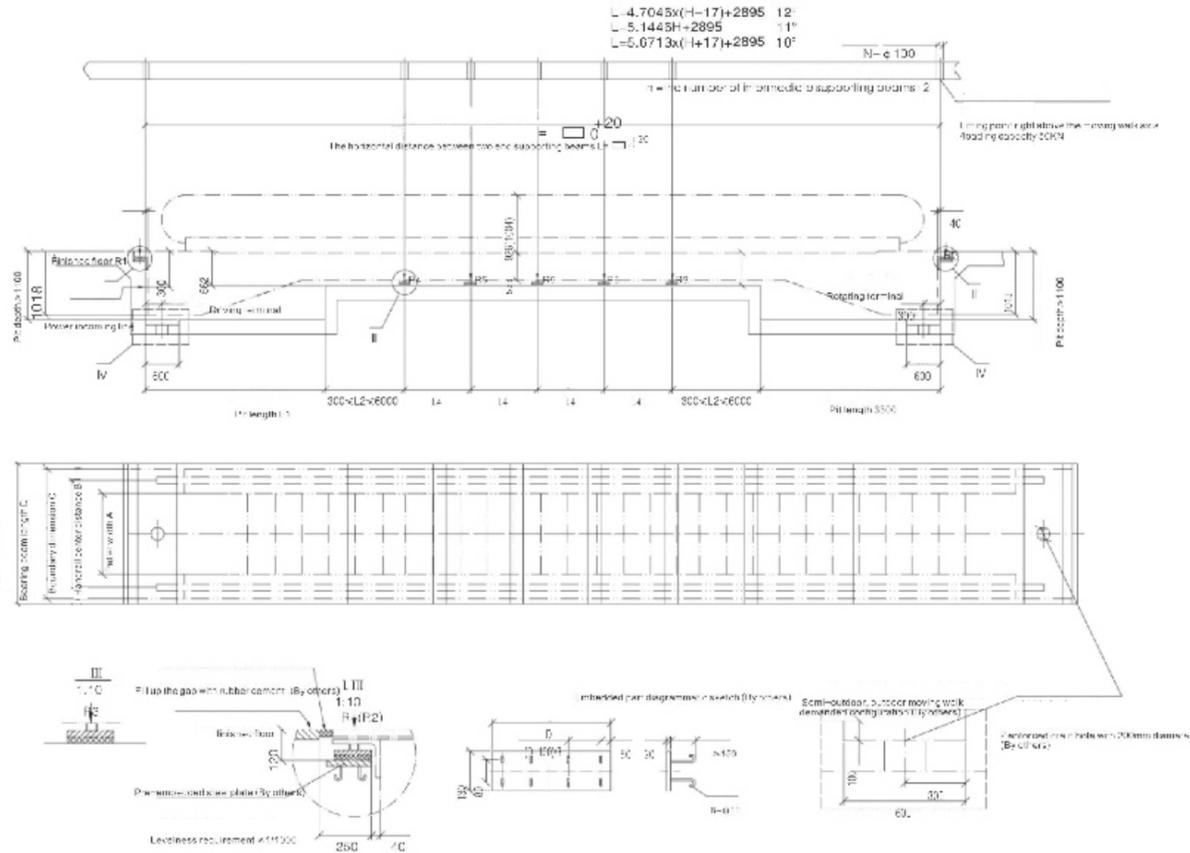
Dumbwaiter elevator construction sketch



Dumbwaiter elevator specifications

Load(kg)	Speed(m/s)	Car inner size (WidthxDepth) mm	Net door opening size (WidthxDepth)	Hoistway net size (mm)			Working mode
				(WidthxDepth)	Pit depth	Overhead height	
100	0.4	700*700*800	700*800	1250*1000	800	3800	window type
200	0.4	1000*800*1000	1000*1000	1600*1100	1000	3800	window type
250	0.4	1000*1000*1200	1000*1200	1600*1200	1200	3800	Ground level type/ window type
300							

0°moving walk construction sketch



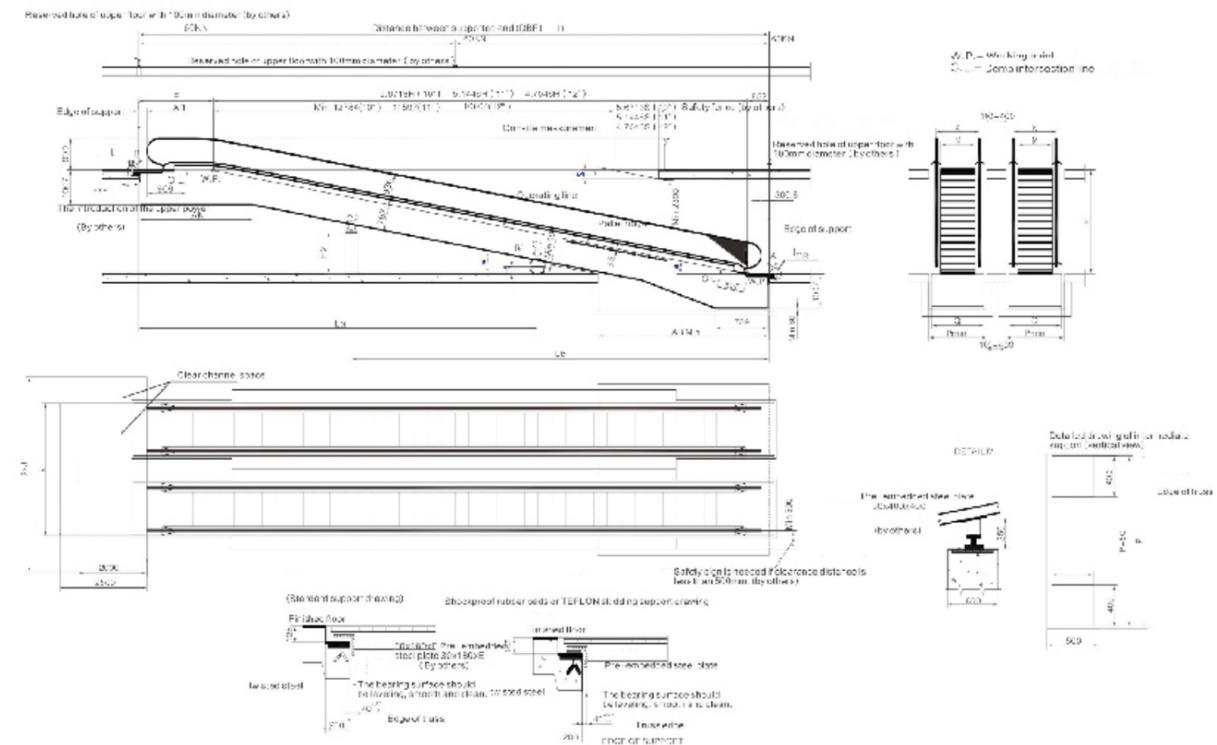
Roller width		1000		800		
Load cooling capacity (KN)	Intermediate supporting span roller distance L4	6000	10000	6000	10000	
	R1	40	38	35	34	
		R2	34.5	34	32	31
		R3	62.5	78.5	52	64.5
		R4	63.5	79.4	54	66.6
R5	48	79.4	40	66.6		
Motor power / rated current	Conveying length L			Conveying length L		
	10000-70000	9KW/18A	10000-80000	9KW/18A		
	70001-110000	11KW/25A	80001-110000	11KW/25A		

Notes

- The heaters are needed when the environment temperature is below 0°C (outdoor or semi-outdoor). Please consult us about the gross power of the heaters.
- Keep sufficient clear space in the entrance of the moving walk. The width shall be at least equal to the handrail center distance; the depth counted from handrail steering terminal shall be at least 2.5m. If the width of this area is too limited, then the handrail center distance, the depth can be reduced to 2m.
- If the pit exists, it should be water-proof. And it should be handled by others.
- When the distance between handrail center line and any obstacle is less than 500mm, fenders on the triangle pace between the handrail and floor shall be set and fenders is supposed to be provided by others.
- User shall provide power supply and grounding device under the upper supporting beam with resistance less than 4 ohm, 2m in length, the allowance is needed. And please refer to Table left about the motor power.
- Intensity of illumination in the exit and entrance of indoor moving walk should be at least 50LX, while 15LX in the exit and entrance of outdoor (semi-outdoor) moving walks (by others).
- If the intermediate supporting beam is steel structure, please consult the elevator company.
- Decorators of both sides and bottom of moving walk shall be done by user.

Technical description		
Angle α	0-6°	
Speed	0.5m/s	
Roller type	Air humalloy (indoor-outdoor/outdoor)	
Roller width A	1000	800
Handrail center distance B	1238	1038
Boundary dimension C	1600	1400
Bearing beam length D	≥ 1600	≥ 1400
Installation mode	Length L1	
Indoor/VWF	4000	4600
Semi-outdoor/star delta	4600	
Outdoor/star delta	4000	
Outdoor/VWF	4600	
Power supply	380V AC 50Hz three-phase three-wire power is provided by users. When the elevator starts, the voltage drop will be < 15%. And under normal circumstances, voltage drop is 1% when the escalator is running. The maximum starting current should be less than 3.5 times the rated current.	

12°moving walk construction sketch



Motor capacity (KW)	Traveling height H		Traveling height H	
	1000-3000	5.5	1000-3000	5.5
Cover supporting height H	3000-4000	7.5	3000-4000	7.5
	4100-4200	8	4200-4400	8
	4300-4800	11	4800-7000	11
	6800-9000	15	7100-10500	15
Covering height and supporting height	When the traveling height H is 5800-67500, two center supports are needed, the first center support height is H1=H3-881, the second one is H2=H3-881.			
	When the traveling height H is 6800-7000, two center supports are needed, the first center support height is H1=H3-881, the second one is H2=H3-881.			
Power supply	380V AC 50Hz three-phase three-wire power is provided by users. When the elevator starts, the voltage drop will be < 15%. And under normal circumstances, voltage drop is 1% when the escalator is running. The maximum starting current should be less than 3.5 times the rated current.			

Technical description		
Angle	12°	
Speed	0.5m/s	
Roller width A	1000	800
Handrail center distance B	1158	958
Boundary dimension C	1238	1038
Bearing beam length D	1600	1400
Installation mode	Length L1	
Indoor/VWF	4000	4600
Semi-outdoor/star delta	4600	
Outdoor/star delta	4000	
Outdoor/VWF	4600	
Power supply	380V AC 50Hz three-phase three-wire power is provided by users. When the elevator starts, the voltage drop will be < 15%. And under normal circumstances, voltage drop is 1% when the escalator is running. The maximum starting current should be less than 3.5 times the rated current.	
Load bearing capacity (KN)	0.009x [L1+L2]	0.0078x [L1+L2]
Load bearing capacity (KN)	0.009x [L1+L2]	0.0078x [L1+L2]
Load bearing capacity (KN)	0.0117x [L1+L2]	0.0104x [L1+L2]
Load bearing capacity (KN)	0.0117x [L1+L2]	0.0104x [L1+L2]

Notes

- When the moving walk is installed on the second floor or above, the pit will be canceled and civil substructure and superstructure shall be symmetrical.
- Keep sufficient clear space in the entrance of the escalator, whose width shall be not less than 1300mm, and the depth from handrail belt steering terminal to the front obstacle must be not less than 2500mm.
- The distance between handrail center line and any obstacle shall be not less than 500mm.
- Earthing device with the resistance less than 4 ohm should be provided by the users.
- When the traveling height H is > 2600, support R3, R4 is cancelled.
- When the traveling height H is 2600 < H < 5800, only support R3 is needed, and L1=L2=L3.
- When the traveling height H is 5800 < H < 7800, support R3 and R4 are needed, and L1=L2=L3=L4.
- The drawing is civil size of standard 12° moving walk, if unable to perform as per standard drawing, please consult our escalator technology department.
- All dimensions in mm, and it subjects to change without notice.

