SWORD

SWORD ELEVATOR COMPREHENSIVE PRODUCT CATALOGUE



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2026.05



HANGZHOU SWORD ELEVATOR CO.,LTD.

COMPANY INTRODUCTION

HANGZHOU SWORD ELEVATOR CO., LTD. was established in 2009 and is located at the National Economic and Technological Development Zone in Hangzhou, China. We are an international comprehensive manufacturer and service provider which integrate the R&D, design, production, sales, installation and after-sales maintenance of elevators and escalators.Our annual production capacity is up to 100,000 units, of which the comprehensive strength ranks top in the industry.

Our products cover small machine room passenger elevator, machine-room-less passenger elevator, high-speed elevator, hospital elevator, freight elevator, panoramic elevator, escalator, moving walks and car elevator, totally nine series, among which our environment-friendly products with high precision and high standard have went through German TÜV certification, European Union CE，Russian EAC certification, JKKP Malaysian certification, Algerian ENACT certification and successfully joined in the North American CSA and ASME certification systems. We have provided service and solutions for more than 70 countries and regions worldwide by now. All these have contributed to the unceasing enhancement of our brand image and influence.

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Designer of Happiness Space

The all-new residential elevator WD700P is designed for the new era of living scenarios. It incorporates classic elements and integrates cutting-edge technology, offering a more luxurious experience, superior quality, and ultimate enjoyment, ushering in a new era of seamless service.

HANGZHOU SWORD ELEVATOR CO., LTD

WD700P

Machine Room Residential Elevator

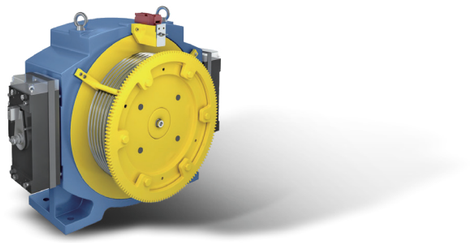
SMART COMMUNITY

The elevator control system is linked with the building access control system. Combined with non-contact elevator-riding technologies (such as IC cards, facial recognition, and mobile phone remote calls), it enables functions such as integrated access control and elevator call linkage, as well as integrated property management. This creates a brand-new integrated experience for elevator and building.



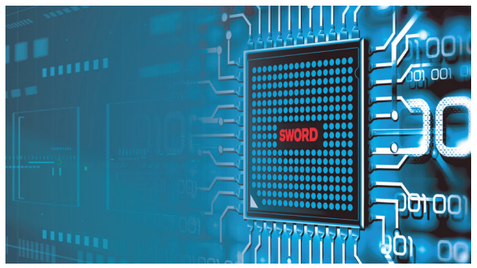
POWERFUL MOMENTUM UNLIMITED POSSIBILITIES

Using a permanent magnet synchronous gearless traction motor as the power source, the performance has been improved over 30%. And it is equipped with dual intelligent torque detection for safe operation with double safety guarantees.



FEAR NO CHALLENGE, STAY COMPOSED

With dual 32-bit chips and vector closed-loop technology, the elevator operates more smoothly and reliably. Nearly 200 design reliability tests ensure rapid response to passenger needs and perfect coordination with the main drive unit.





WD700P

Machine Room Residential Elevator

STANDARD CAR DECORATION



XO-Z1019-C

Car walls

Premium metallic powder-coated steel plate (HTH01 – Dolphin Grey)

Ceiling:XO-Z0393(L)

Premium metallic powder-coated steel plate (HTH01 – Dolphin Grey)
+ four downlights + two light tubes

Floor:XO-Z0470

Patterned PVC

OPTIONAL CAR DECORATION



XO-Z1234

Car walls:XO-Z1234J

Rear wall: Anti-fingerprint matte stainless steel, LED lights
Side walls: White mirror-finished stainless steel + anti-fingerprint matte stainless steel strips in the middle; anti-fingerprint matte stainless steel on both sides, LED lights
Front wall: Anti-fingerprint matte stainless steel

Ceiling:XO-Z1234D(L)

Painted steel plate (RAL9022) (frame material) + Milky White translucent board + LED downlights

Floor:XO-Z1233P

Marble (Glala Beige)



XO-Z1311C

Car walls:XO-Z1311AJ

Rear wall: Etched white mirror surface (XO-Z0981) in the middle
+ LED lights, Color Coated Steel Plate(XO-Z0813) on both sides
Side walls: Gray titanium anti-fingerprint matte stainless steel on the front, Color Coated Steel Plate(XO-Z0813) on the rear section of the side wall
Front wall: Gray titanium anti-fingerprint matte stainless steel

Ceiling:XO-Z3507(L)

Painted steel plate (RAL9016) for upper area, black titanium anti-fingerprint matte stainless steel frames for lower area;
painted steel plate (RAL9016) (frame material) + LED downlights
+ concealed LED lights in the middle

Handrails:XO-Z1311F

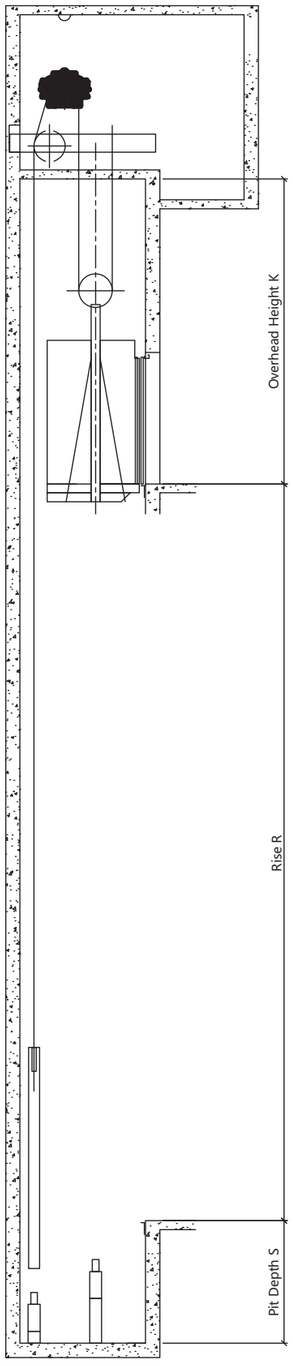
Flat handrails on both sides, using gray titanium anti-fingerprint matte stainless steel flat handrails

Floor:XO-Z0483

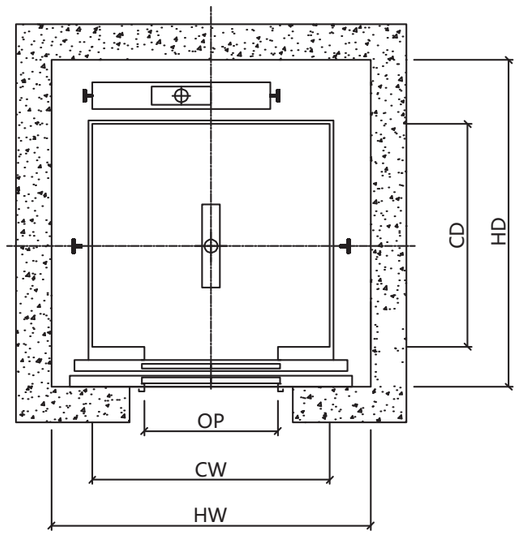
PVC (Tundla gray)

WD700P Machine Room Residential Elevator

HOISTWAY ELEVATION



HOISTWAY PLAN



Basic Parameters

Speed (m/s)	Load (kg)	Pit S (mm)	Overhead K (mm)	Max. Floor	Max. Rise (m)
1.0	550~1050	1220	4050	16	50
1.75	680~1050	1350	4150	32	90
2.0	800~1050	1700	4350	36	105
2.5	800~1050	1850	4650	36	125

Car/Hoistway Dimensions

Load (kg)	Speed (m/s)	Car Dim. CWxCDxCH (mm)	Opening Net Dim. OPxOPH (mm)	Hoistway Net Dim. HWxHD (mm)
550	1.0	1400×1050×2400	700×2100	1850×1700
630	1.0	1400×1050×2400	800×2100	1850×1700
680	1.0~1.75	1400×1200×2400	800×2100	1850×1850
800	1.0~1.75	1400×1350×2400	800×2100	1900×2000
	2.0~2.5			1950×2100
900	1.0~1.75	1600×1350×2400	800×2100	2150×2100
1000	1.0~2.5	1600×1500×2400	900×2100	2150×2200
1050				

Creator of Luxurious Spaces

Designed for commercial buildings, public spaces, high-end residences and more, the S700P (machine room) and S700L (machine-room-less) series platforms deliver supreme quality with outstanding operational performance. With abundant optional features and customized solutions, they bring new vitality to buildings.

HANGZHOU SWORD ELEVATOR CO., LTD

S700P & S700L

Passenger Elevators

GREEN AND EFFICIENT TRACTION SYSTEM

Powered by a permanent magnet synchronous gearless traction machine, the system is compact and space-efficient, meeting the design requirements of small machine rooms and offering greater freedom for architectural design.

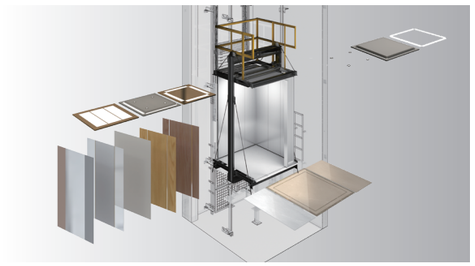
BENCHMARK IN ENERGY EFFICIENCY AND RIDE COMFORT

When the elevator is idle, the elevator shuts down power-consuming devices and enters energy-saving mode. An optional energy regeneration system is available, when the elevator runs downward with heavy loads or upward with light loads, it converts potential energy into electric power for storage or feedback to the power grid.



TAILOR-MADE WITH ARTISAN CRAFTSMANSHIP

The car interior finishing solutions are meticulously developed by a professional design team, offering a wide range of fully equipped modern car finishes. Alternatively, different materials and accessories can be selected to create a personalized car that harmonizes with the building's style.



DIVERSIFIED INTELLIGENT DISPATCHING FUNCTIONS

Optional features include intelligent up-peak/down-peak services, VIP mode, meeting mode, destination dispatch, and AI-based traffic pattern recognition. These functions intelligently allocate elevator capacity, significantly improving transport efficiency.

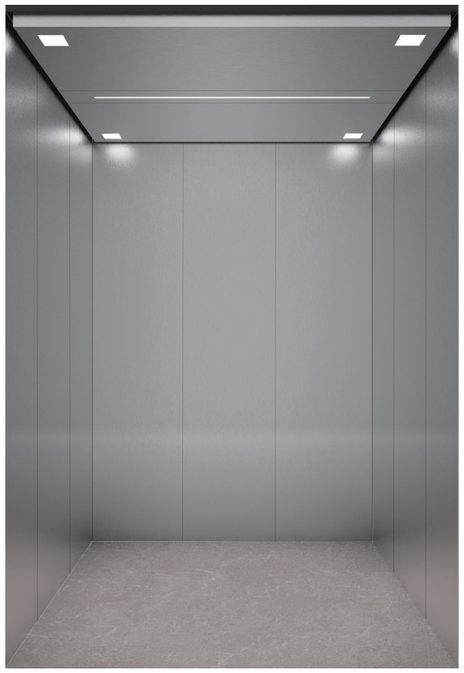




S700P & S700L

Passenger elevator

STANDARD CAR DECORATION



XO-Z1002D

Car walls:

Hairline stainless steel

Ceiling:XO-Z0394 (L)

Hairline stainless steel + square-shaped perimeter lighting
+ central linear lighting

Floor:XO-Z0479

One-piece PVC

OPTIONAL CAR DECORATION



XO-Z1232A

Car walls:XO-Z1232AJ

Rear wall: Glala Beige marble + bronze anti-fingerprint mirror-finished stainless steel strips + LED lights in the middle,Color Coated Steel Plate(XO-Z0812)
Side walls: Etched white mirror-finished stainless steel (XO-Z0981) +
bronze anti-fingerprint mirror-finished stainless steel strips +
Color Coated Steel Plate(XO-Z0812)
Front wall: Bronze anti-fingerprint mirror-finished stainless steel

Ceiling:XO-Z1232D(L)

White mirror-finished stainless steel (frame material)
+ Milky White translucent boards

Handrails:XO-Z1232F

Installed on both sides, round tubular handrails in bronze anti-fingerprint mirror-finished stainless steel

Floor:XO-Z1231P

Marble (Tundla Gray)

Door

Bronze anti-fingerprint mirror-finished stainless steel



XO-Z1252

Car walls:XO-Z1252J

Rear wall: Tundla gray marble slabs, and grid-embossed stainless steel on both sides
Side walls: Grid-embossed stainless steel
Front wall: Grid-embossed stainless steel

Ceiling:XO-Z3501(L)

Painted steel plate (RAL 7047) + LED lights

Floor:XO-Z0483

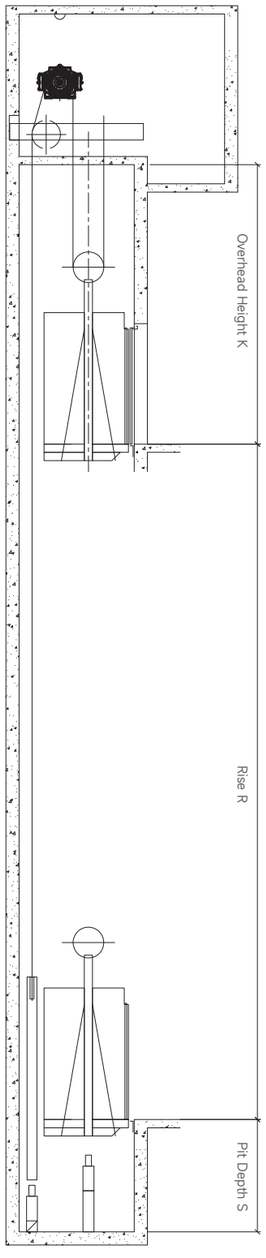
PVC(Cloud Grey)

Door

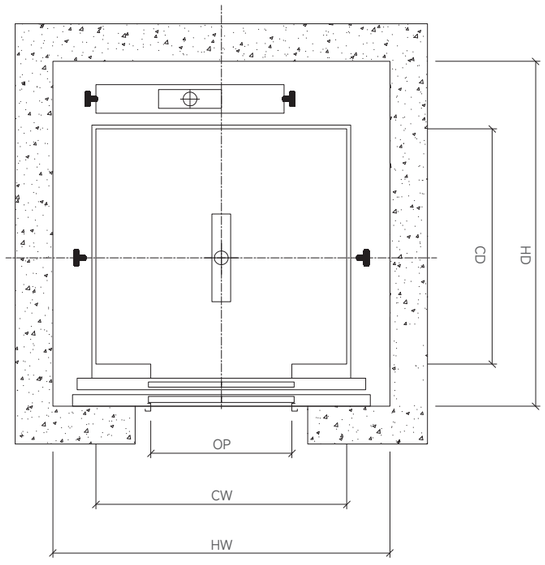
Grid-embossed stainless steel

S700P Passenger elevator

HOISTWAY ELEVATION
(Rear Located CWT)



HOISTWAY PLAN



Basic Parameters

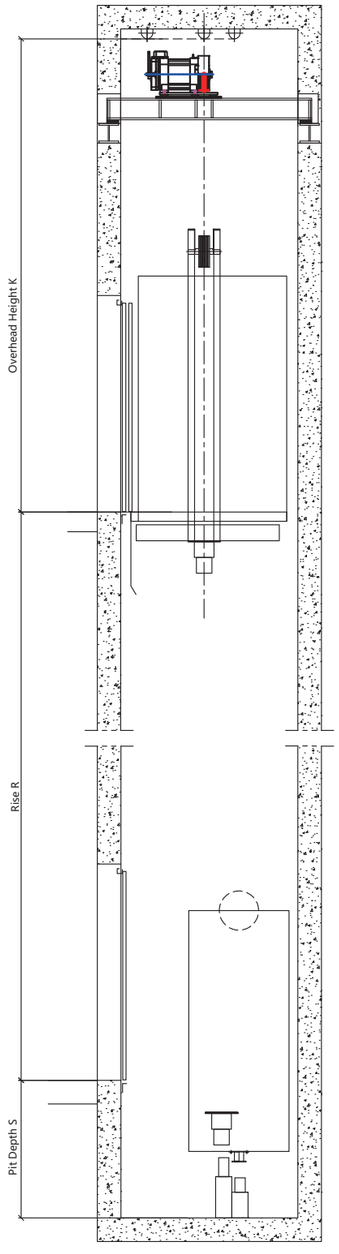
Speed (m/s)	Load (kg)	Pit S (mm)	Overhead K (mm)	Max. Floor	Max. Rise (m)
1.0	550~900	1450	4600	16	50
	1000~1050		4650		
	1150~2000		4750		
1.5	680~900	1550	4750	32	75
	1000~1050		4850		
	1150~2000		4950		
1.75	680~900	1550	4800	32	90
	1000~1050		4900		
	1150~2000		5000		
2.0	800~1050	1650	5000	36	105
	1150~1600		5100		
2.5	800~1050	2050	5200	36	125
	1150~1600		5300		
3.0	1000~1600	1800	5200	45	150

Car/Hoistway Dimensions

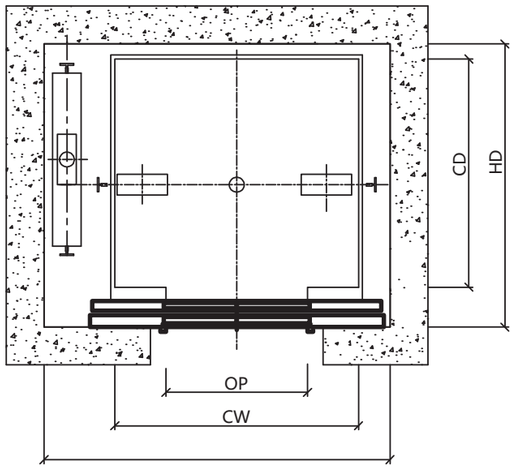
Load (kg)	Speed (m/s)	Car Dim. CWxCDxCH (mm)	Opening Net Dim. OPxOPH (mm)	Hoistway Net Dim. HWxHD (mm)
550/630	1.0	1400×1050×2400	800×2100	1850×1680
680	1.0~1.75	1400×1100×2400	800×2100	1850×1750
800	1.0~1.75	1400×1350×2400	800×2100	1850×2000
	2.0~2.5			1870×2100
900	1.0~2.5	1600×1350×2400	900×2100	2070×2100
1000/1050	1.0~2.5	1600×1500×2400	900×2100	2070×2200
	3.0	1600×1500×2600	900×2300	2200×2200
1150	1.0~2.5	2000×1350×2400	1000×2100	2470×2100
	3.0	2000×1350×2600	1000×2300	2600×2100
1350	1.0~2.5	2000×1550×2400	1100×2100	2540×2300
	3.0	2000×1550×2600	1100×2300	2600×2300
1600	1.0~2.5	2000×1750×2400	1100×2100	2540×2500
	3.0	2000×1750×2600	1100×2300	2600×2500
1800	1.0~1.75	2000×1850×2400	1100×2100	2550×2600
2000	1.0~1.75	2100×1900×2400	1100×2100	2650×2650

S700L Passenger elevator

HOISTWAY ELEVATION



HOISTWAY PLAN



Basic Parameters

Load (kg)	Speed (m/s)	Pit S (mm)	Overhead K (mm)	Max. Floor	Max. Rise (m)
680-1050	1.0	1200	4400	16	50
	1.5	1300	4550	24	75
	1.75	1300	4600	32	90
1150-1600	1.0	1450	4650	16	50
	1.5	1650	4800	24	75
	1.75	1750	4900	32	90
1800-2000	1.0	1450	4900	16	50
	1.5	1650	5050	24	75
	1.75	1750	5100	32	90

Car/Hoistway Dimensions

Load (kg)	Car Dim. CWxCDxCH (mm)	Opening Net Dim. OPxOPH (mm)	Hoistway Net Dim. HWxHD (mm)
680	1200×1400×2300	800×2100	1950×1750
800	1350×1450×2300	800×2100	2000×1800
900	1450×1450×2300	800×2100	2100×1800
1000/1050	1600×1500×2300	900×2100	2250×1850
1150	1600×1600×2300	1000×2100	2400×2100
1350	1800×1700×2300	1100×2100	2600×2100
1600	2000×1700×2300	1100×2100	2800×2100
1800	1850×2000×2300	1100×2100	2700×2400
2000	1900×2100×2300	1100×2100	2750×2500

HANGZHOU SWORD ELEVATOR CO., LTD

S700G & S700G(MRL)

Panoramic Elevators

ELEGANCE

- Breed the depth of temperament and culture
- Fuse the beauty of honor and silence

VERVE

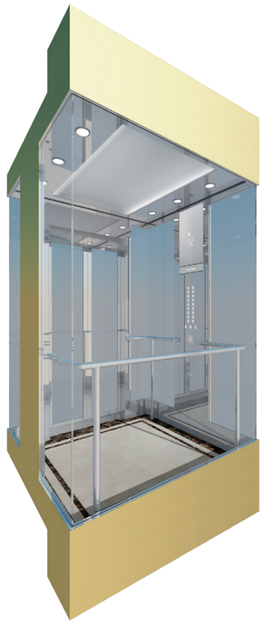
- Hide the breath of trend and fashion
- Run the affection of art and romance

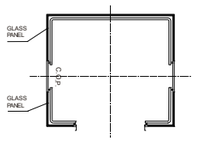
The elegance and nobility of classical style, the simplicity and fashion of modern style...various styles collide together, striking the spark of creativity and endow a visual beauty, perfectly fusing lines with images, thus creating many enchanting decorations. The view presented in front of us is the especial SWORD style, leaving a classic memory in the deep recesses of our minds.

S700G & S700G(MRL)

Panoramic Elevators

STANDARD CAR DECORATION





G011-1 cross-section

XO-G011-1

Upper and Lower Covers:
Titanium mirror stainless steel

Ceiling
Mirror stainless steel frame, arched white aluminum-plastic panel, with concealed internal lighting, and downlights on both sides

Car walls
Combination of mirror stainless steel and laminated glass

Glass walls
Laminated glass (composed of seven flat glass panels)

Handrails
Φ38 mirror stainless steel round handrails (on four sides)

Floor
PVC

OPTIONAL CARABINER DECORATION



XO-G051

Upper and Lower Covers:
Anti-fingerprint 304 short hairline stainless steel

Ceiling
Mirror stainless steel frame with milky white acrylic translucent panel and LED lighting

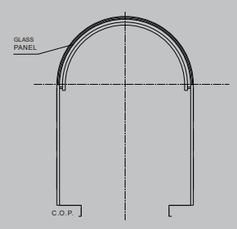
Car walls
Combination of anti-fingerprint 304 short hairline stainless steel and laminated tempered glass

Glass walls
Laminated tempered glass

Handrails
Φ38 mirror stainless steel round handrails (on four sides)

Floor
Patterned marble





G001 cross-section

XO-G001

Upper and Lower Covers
Painted steel plate (RAL5022) with milky white acrylic inset, backlit design, and milky white 1/4 spherical outer cover

Ceiling
Painted steel plate (RAL7047) ceiling panel with milky white acrylic translucent panel attached at the rear, and arched lamp cover

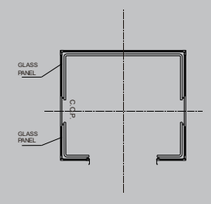
Car walls
Hairline stainless steel

Glass walls
Laminated glass (composed of three arched glass panels), no decorative mullions

Handrails
Φ38 Mirror stainless steel round handrail (rear side)

Floor
PVC





G008 cross-section

XO-G008

Upper and Lower Covers
Painted steel plate (RAL1015) with upper and lower decorative lights

Ceiling
Mirror stainless steel frame with arched acrylic panel and downlights on both sides

Car walls
Front and side walls:
combination of hairline stainless steel and laminated glass

Glass walls
Laminated glass (composed of seven flat glass panels)

Handrails
Φ38 white mirror-finished stainless steel round handrails (on four sides)

Floor
PVC

Innovator of Technological Space

The WD800 series steel belt elevators utilize a new traction technology, delivering ultimate operational performance through innovation, perfectly adapt to various types of venues such as high-end hotels, premium residences, and high-grade office buildings, offering smarter choices for buildings and enhancing their value.



HANGZHOU SWORD ELEVATOR CO., LTD

WD800MR & WD800MRL

Steel Belt Elevators

LONG SERVICE LIFE

The next-generation traction steel belt, manufactured with world-leading technology, has a service life 2–3 times longer than that of traditional steel wire ropes.

LOW NOISE

The flexible contact of the polyurethane wear-resistant layer replaces the traditional hard metal-to-metal contact mode of steel wire ropes, reducing noise up to 15%, delivers smoother operation and realizes a low-noise riding experience.

OIL-FREE

The steel cores are coated with the outer polyurethane layer, isolating from air and preventing rusting of the steel wires. No grease lubrication is required throughout its entire lifecycle, eliminating hoistway oil contamination and oil volatile emissions to achieve eco-friendly and pollution-free operation.

DEDICATED STEEL BELT PROTECTION FUNCTION

A newly launched steel belt protection function monitors the condition of the steel belts in real time via a professional detection device. Once any abnormality is detected, the elevator will immediately activate the protection mode and stop operation ensure passenger safety.





WD800MR & WD800MRL

Steel Belt Elevators

STANDARD CAR DECORATION



XO-Z1019E

Car walls:
Hairline stainless steel

Ceiling XO-Z0393(L)
Premium metallic powder-coated steel plate (HTH01 – Dolphin Grey) + four downlights + two light tubes

Floor:XO-Z0470
Patterned PVC (Top wear resistance rating: Class T)

OPTIONAL CAR DECORATION



XO-Z1312A

Car walls:XO-Z1312AJ
Rear wall: Cary Ice marble slab, gray titanium anti-fingerprint matte stainless steel on both sides + LED lights
Side walls: Gray titanium anti-fingerprint matte stainless steel
Front wall: White mirror-finished stainless steel

Ceiling:XO-Z3506(L)
Painted steel plate (RAL9016) for upper area, black titanium anti-fingerprint matte stainless steel frames for edges of lower area; white mirror-finished stainless steel (frame material) + LED spotlights + concealed LED lights in the middle

Floor:XO-Z04512
Artificial marble (light gray QS2004)

Door
White mirror-finished stainless steel



XO-Z1315A

Car walls:XO-Z1315AJ
Rear wall: Pandora marble slabs + black titanium anti-fingerprint mirror-finished stainless steel strips; pandora marble slabs on both sides
Side walls: Black titanium anti-fingerprint mirror-finished stainless steel + LED lights
Front wall: Black titanium anti-fingerprint mirror-finished stainless steel

Ceiling:XO-Z3506(L)
Painted steel plate (RAL9016) for upper area; black titanium anti-fingerprint matte stainless steel frames for edges of lower area; middle white mirror-finished stainless steel (frame material) + LED spotlights + concealed LED lights

Handrails:XO-Z1305F
Installed on the rear side, black titanium anti-fingerprint mirror-finished stainless steel + concealed strip lights

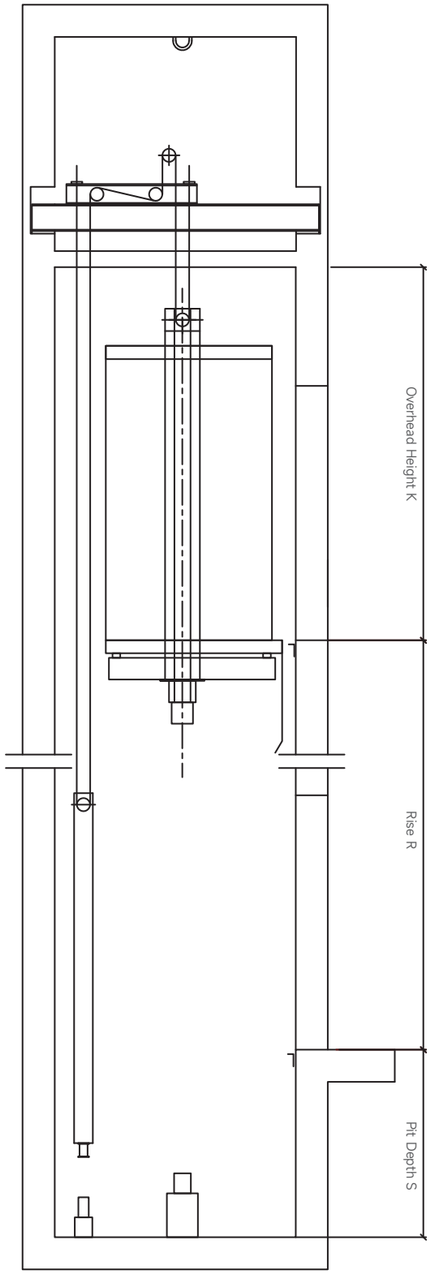
Floor:XO-Z04515
Artificial marble (Ariston white QS3001)

Door
Black titanium anti-fingerprint mirror-finished stainless steel

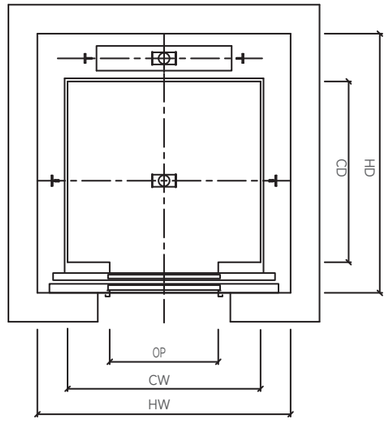
WD800MR Rear Located Counterweight

Steel Belt Elevators

HOISTWAY ELEVATION



HOISTWAY PLAN



Basic Parameters

Speed (m/s)	Load (kg)	Pit S (mm)	Overhead K (mm)	Max. Floor	Max. Rise (m)
1.0	550~1600	1400	4000	16	50
1.5	680~1050	1400	4150	32	75
	1150~1600	1500			
1.75	680~1050	1400	4200	32	90
	1150~1600	1550			
2.0	800~1050	1600	4300	36	105
2.5	800~1050	1750	4550	36	125

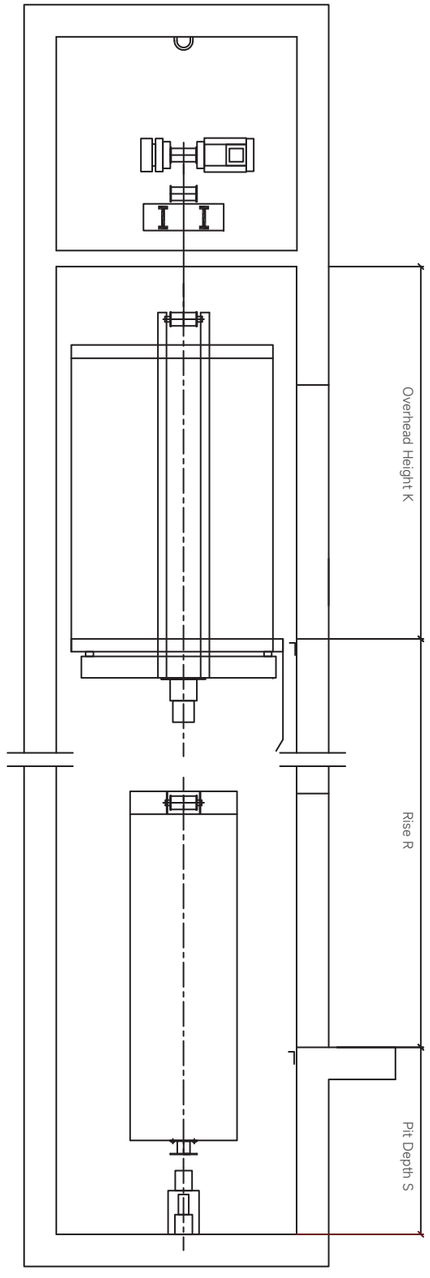
Car/Hoistway Dimensions

Load (kg)	Speed (m/s)	Car Dim. CWxCDxCH (mm)	Opening Net Dim. OPxOPH (mm)	Hoistway Net Dim. HWxHD (mm)
550	1.0	1250×1200×2400	750×2100	1700×1800
630	1.0	1300×1200×2400	800×2100	1750×1800
680	1.0~1.75	1300×1300×2400	800×2100	1750×1900
800	1.0~1.75	1400×1350×2400	800×2100	1850×2000
	2.0~2.5			1900×2000
900	1.0~1.75	1600×1350×2400	900×2100	2050×2000
	2.0~2.5			2100×2000
1000/1050	1.0~1.75	1600×1500×2400	900×2100	2050×2150
	2.0~2.5			2100×2150
1150	1.0~1.75	1750×1500×2400	1000×2100	2300×2150
1350	1.0~1.75	1900×1600×2400	1100×2100	2450×2250
1600	1.0~1.75	2000×1700×2400	1100×2100	2550×2350

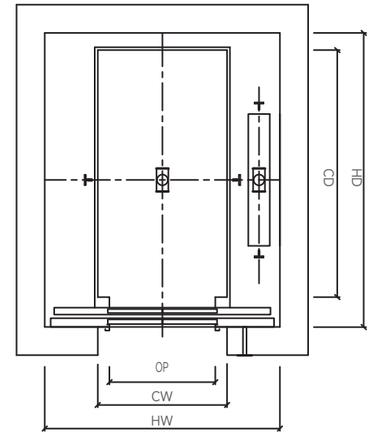
WD800MR Side Located Counterweight

Steel Belt Elevators

HOISTWAY ELEVATION



HOISTWAY PLAN



Basic Parameters

Speed (m/s)	Load (kg)	Pit S (mm)	Overhead K (mm)	Max. Floor	Max. Rise (m)
1.0	550~1600	1400	4000	16	50
1.5	680~1050	1400	4150	32	75
	1150~1600	1500			
1.75	680~1050	1400	4200	32	90
	1150~1600	1550			
2.0	800~1050	1600	4300	36	105
2.5	800~1050	1750	4550	36	125

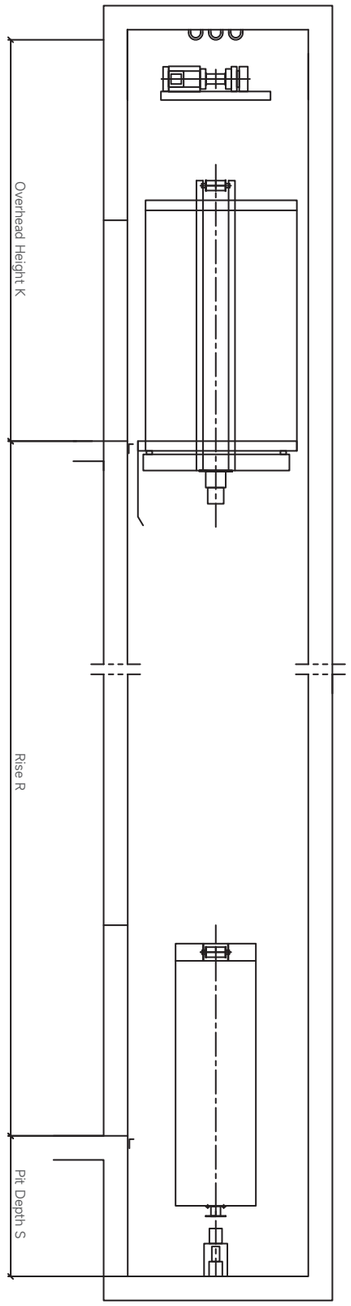
Car/Hoistway Dimensions

Load (kg)	Speed (m/s)	Car Dim. CWxCDxCH (mm)	Opening Net Dim. OPxOPH (mm)	Hoistway Net Dim. HWxHD (mm)
550	1.0	1100×1300×2400	750×2100	1770×1650
630	1.0	1150×1350×2400	800×2100	1850×1700
680	1.0~1.75	1250×1350×2400	800×2100	1900×1750
800	1.0~1.75	1400×1350×2400	800×2100	2050×1750
	2.0~2.5			2100×1750
900	1.0~1.75	1500×1400×2400	900×2100	2150×1800
	2.0~2.5			2200×1800
1000/1050	1.0~1.75	1600×1500×2400	900×2100	2250×1900
	2.0~2.5			2300×1900
	1.0~2.5	1100×2100×2400		2000×2450
1150	1.0~1.75	1600×1600×2400	1000×2100	2310×2000
1350	1.0~1.75	1600×1800×2400	1000×2100	2350×2200
1600	1.0~1.75	1700×2000×2400	1100×2100	2500×2400
		1400×2400×2400		2400×2800

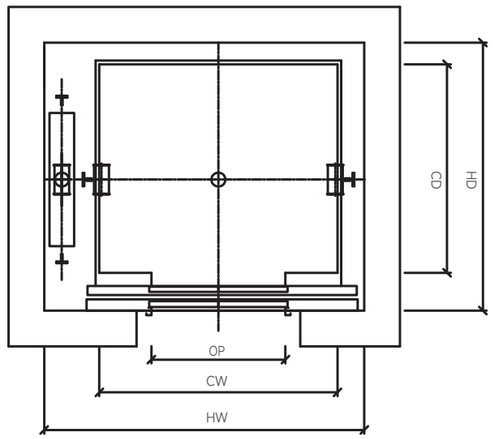
WD800MRL

Steel Belt Elevators

HOISTWAY ELEVATION



HOISTWAY PLAN



Basic Parameters

Speed (m/s)	Load (kg)	Pit S (mm)	Overhead K (mm)	Max. Floor	Max. Rise (m)
1.0	400~1050	1300	3850	16	50
	1150~1600	1400	4050		
	1800~2000	1400	4150		
	2500	1450	4150		
1.5	680~1050	1300	4000	24	75
	1150~1600	1500	4200		
	1800~2000	1500	4300		
	2500	1550	4300		
1.75	680~1050	1300	4050	32	90
	1150~1600	1550	4250		
	1800~2000	1550	4400		
	2500	1600	4400		
2.0	1600	1650	4350	36	105
	1800~2000	1650	4500		

Car/Hoistway Dimensions

Load (kg)	Car Dim. CWxCDxCH (mm)	Opening Net Dim. OPxOPH (mm)	Hoistway Net Dim. HWxHD (mm)
400	1000×1150×2300	700×2100	1600×1500
450	1000×1250×2300	700×2100	1630×1600
550	1100×1300×2300	700×2100	1700×1650
630	1100×1400×2300	700×2100	1700×1750
680	1200×1400×2300	800×2100	1850×1750
800	1350×1400×2300	800×2100	1950×1750
900	1500×1400×2300	800×2100	2100×1750
1000/1050	1600×1500×2300	900×2100	2200×1850
	1100×2100×2300	900×2100	1930×2450
1150	1650×1600×2300	1000×2100	2300×2000
1350	1900×1600×2300	1100×2100	2600×2000
1600	2000×1700×2300	1100×2100	2700×2100
	1400×2400×2300	1100×2100	2370×2800
1800	2100×1800×2300	1100×2100	2860×2200
2000	2000×2000×2300	1100×2100	2760×2400
2500	2100×2300×2300	1100×2100	2860×2700

HANGZHOU SWORD ELEVATOR CO., LTD

WD700MRL

Compact Motor Machine-Room-Less Passenger Elevator

Space Optimization Master

The WD700MRL series passenger elevator incorporates an "ultra-thin" machine, significantly improving hoistway space utilization and reducing overhead requirements. With lower construction requirements, it is suitable for buildings with smaller hoistway spaces. Featuring outstanding characteristics such as high efficiency, energy savings, environmental friendliness, and space savings, it represents the development trend of elevator drive technology.

ULTRA-THIN DESIGN, UNLEASHING INSPIRATION

The "ultra-thin" machine design concept achieves a thickness of only 65% of traditional machines, allowing for greater flexibility in overhead layout and greatly enhancing hoistway space utilization.

The industry-leading innovative magnetic field design optimizes magnetic field characteristics, making the machine drive more powerful and smoother, bringing multiple innovations to machine-room-less elevator design.





WD700MRL

Compact Motor Machine-Room-Less Passenger Elevator

STANDARD CAR DECORATION



XO-Z1021-A

Car walls:

Hairline stainless steel

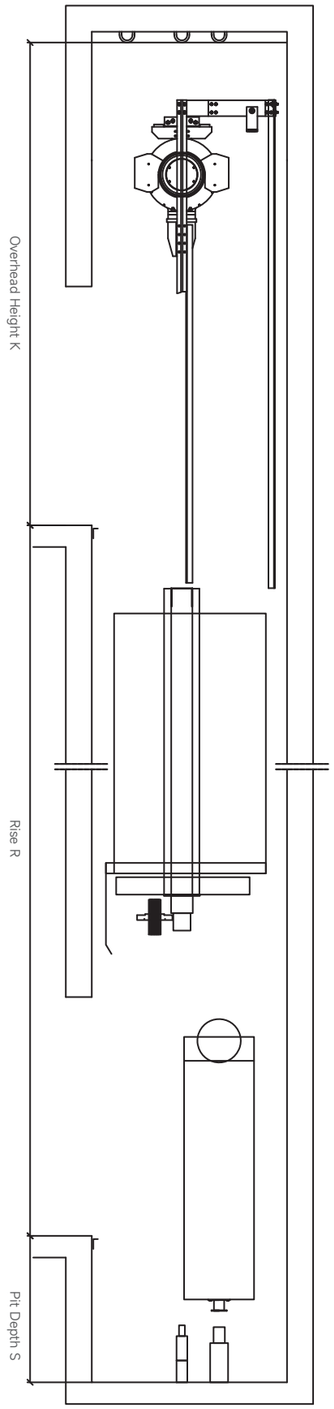
Ceiling XO-Z0391(L)

Premium metallic powder-coated steel plate (HTH01 – Dolphin Grey) + four downlights + two light tubes

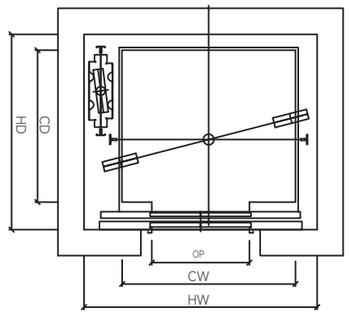
Floor XO-Z0477A

One-piece PVC (Top wear resistance rating: Class T)

HOISTWAY ELEVATION



HOISTWAY PLAN



Basic Parameters

Load (kg)	Speed (m/s)	Pit S (mm)	Overhead K (mm)	Max. Floor	Max. Rise (m)
530~1050	1	1400	3800	16	50
	1.5	1500	3900	24	75
	1.75	1550	3950	32	90

Car/Hoistway Dimensions

Load (kg)	Car Dim. CWxCDxCH (mm)	Opening Net Dim. OPxOPH (mm)	Hoistway Net Dim. HWxHD (mm)
550	1100×1300×2300	700×2100	1650×1700
630	1100×1400×2300	700×2100	1650×1800
680	1200×1400×2300	750×2100	1750×1800
800	1350×1400×2300	800×2100	1950×1800
900	1500×1400×2300	800×2100	2050×1800
1000	1600×1400×2300	900×2100	2150×1800
1050	1600×1500×2300	900×2100	2150×1900
1050	1100×2100×2300	900×2100	2000×2500

HANGZHOU SWORD ELEVATOR CO., LTD

S800H

High-Speed Elevator

ULTIMATE QUALITY, PREMIER EXPERIENCE

- Customized machine for outstanding performance.
- High-performance control system with higher precision and smoother operation.
- Heavy-duty door system with double-layer soundproof door panels for enhanced quietness and comfort.
- Exclusive safety components to improve operational safety.
- Absolute positioning reference system for hairline-level precision, accuracy, and reliability.
- 10 m/s – the highest speed among Chinese brands. 208 m –the top 10 testing tower globally.

10M/S

1ST CHINA COMPANY

208M

TOP10 TEST TOWER

Technology Soaring at the Peak

The S800H high-speed elevator incorporates superior aerodynamic micro-vortex spoiler technology and real-time car balance sensing technology. Combined with exquisite car interiors, it meticulously delivers the most perfect and premium riding experience for users.

COMPREHENSIVE COMFORT GUARANTEE

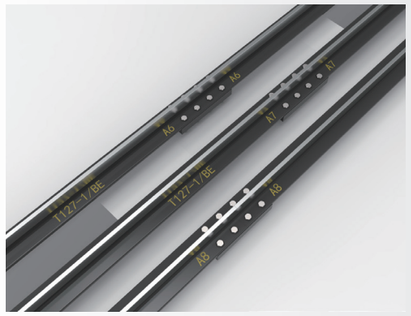


Streamlined deflector

- Double diversion up and down
- Mitigate the influence of wind resistance

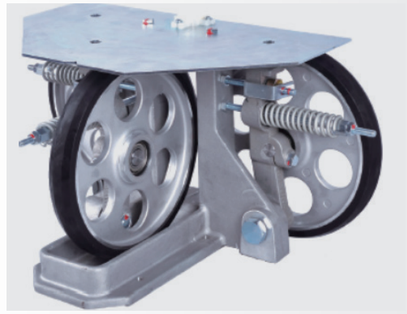
Car anti-sway system

- Adjustable compensation device
- Anti-sway hydraulic cylinder



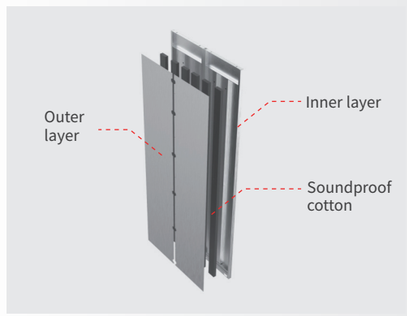
Ultra-high precision guide rail

- Factory pre-splicing
- The straightness can reach 5 times that of an ordinary guide rail, ensuring smooth operation



High performance roller guide shoes

- The roller diameter can reach 300mm ensuring more stable operation
- Multidirectional pressure adjustable
- Advanced composite damping brings quieter operation



Omni-directional sound insulation design

- Double-layer structure design of car wall and car roof
- Shock damping sheet + sound insulation cotton double shock absorption and noise reduction



DESTINATION CONTROL SYSTEM

INTELLIGENT LEARNING, EVOLVING WITH USAGE

The system collects real-time passenger flow data, optimizing dispatching strategies via AI algorithms and upgrading from reactive to predictive scheduling.

MULTI-OBJECTIVE OPTIMIZATION FOR ALL SCENARIOS

It supports Efficiency Priority, Energy-saving Priority and Service Priority modes, adapting to offices, hotels, hospitals and residential buildings.

SEAMLESS INTEGRATION, EMPOWERING SMART BUILDING ECOSYSTEM

Seamlessly interconnected with access control, turnstiles and parking systems, delivering frictionless access from entrance to floor.

HIGH EFFICIENCY & ENERGY SAVING, SUPPORTING GREEN BUILDINGS

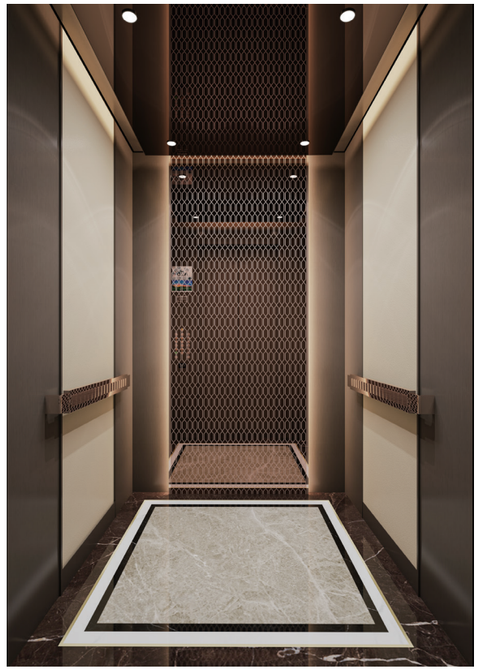
Reduces idle runs and redundant stops, cutting energy consumption, boosting traffic efficiency and realizing low-carbon operation.

CUSTOMIZED
DECORATION

S800H

High-Speed Elevator

OPTIONAL CAR DECORATION





XO-Z1317

Car walls:XO-Z1317J

Rear wall: Etched bronze anti-fingerprint mirror-finished stainless steel (XO-Z0976) + bronze anti-fingerprint mirror-finished stainless steel strips + LED lights in the middle; bronze anti-fingerprint hairline stainless steel on both sides;
Side walls: Imitation leather (8811-04) + bronze anti-fingerprint mirror-finished stainless steel frame, bronze anti-fingerprint hairline stainless steel on both sides;
Front wall: Bronze anti-fingerprint hairline stainless steel

Ceiling:XO-Z1317D(L)

Bronze anti-fingerprint hairline stainless steel for upper area, lower bronze anti-fingerprint hairline stainless steel frames for edges of lower area; bronze anti-fingerprint mirror-finished stainless steel (frame material) + LED downlights + concealed LED lights in the middle

Handrails:XO-Z1201F

Installed on left and right sides: Bronze anti-fingerprint mirror-finished stainless steel handrails with certain styles

Floor:XO-Z1317P

Parquet marble (Gold inlaid with jade + Copper Strips + Jazz White + Black Marquina + Tundla Gray)

XO-Z1357

Car walls:XO-Z1357J

Rear wall: Wired glass in the middle, brown anti-fingerprint mirror-finished sandblasted stainless steel on both sides + concealed LED lights + brown anti-fingerprint mirror-finished sandblasted stainless steel strips + skirting boards
Side walls: Imitation leather + brown mirror-finished stainless steel strips + brown anti-fingerprint mirror-finished sandblasted stainless steel frames in the middle; brown anti-fingerprint mirror-finished sandblasted stainless steel on both sides
Front wall: Brown anti-fingerprint mirror-finished sandblasted stainless steel

Ceiling:XO-Z1357D(L)

Painted steel plate (RAL9016) for upper area, concealed strip lights; brown anti-fingerprint mirror-finished sandblasted stainless steel (frame material) + golden foil for lower area

Handrails:XO-Z1357F

Installed on the rear side, brown anti-fingerprint mirror-finished sandblasted stainless steel + imitation leather covering

Floor:XO-Z1357P

Parquet marble (Black Marquina + Hermes Gray + Ariston White + Dark Gray + Copper Strips)

Outstanding classic quality promises you with honor, warmth, comfort and ease.
Luxurious, magnificent style enhances nobleness and eminence for you and ensures an ideal, homelike life.

HANGZHOU SWORD ELEVATOR CO., LTD

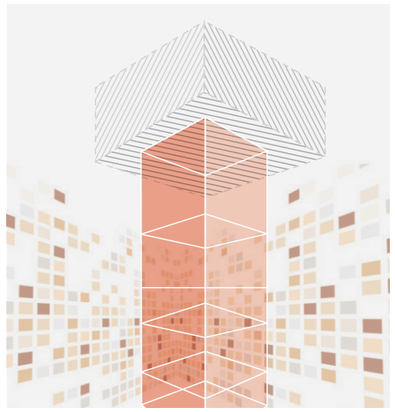
SIND-S

Home Elevator



GREEN AND ENERGY-SAVING

SIND-S's traction machine is equipped with the smooth wheel spindle. Matching with the premium steel belts, it increases the contact area and friction factor with driving wheel. Compared with the traditional traction wire rope, it makes the elevator operate more efficiently.



SPACE-SAVING

SIND-S adopts steel belts as traction medium, which greatly reduces the driving wheel diameter.
The incorporation of driving wheel and motor shaft and the integration of brake and motor greatly reduces the size of traction machine, which can be placed on the top of the hoist way, needless to add the overhead space, and saving the space of the machine room.



QUIET DRIVE

Compared with the traditional traction machine, it saves the gearbox device, which not only reduces the consumption and space, but also avoids the noise and vibration caused by the worm and gear, thereby creating a quiet and warm rest environment.

SIND-S

Home Elevator

STANDARD CAR DECORATION





XO-Z2135

Ceiling XO-Z2135D(L):

Crescent white suspended ceiling + LED downlights
& concealed LED light strip (Color temperature: 4000K)

Car Wall XO-Z2135J:

Woven fabric finish car wall (rounded corner) + walnut wood grain finish car wall (rounded corner) + LED light strip (Color temperature: 4000K);
Front wall: fingerprint-resistant matte stainless steel

Handrail XO-Z2135F:

Flat handrail with woven fabric finish cladding, concealed ambient LED light strip on the back (Color temperature: 4000K)

Floor XO-G610AP:

Sintered stone (Victoria White)

XO-Z2136

Ceiling XO-Z2136D(L):

Crescent white recessed frame ceiling + LED downlights & concealed LED light strip (Color temperature: 4000K)

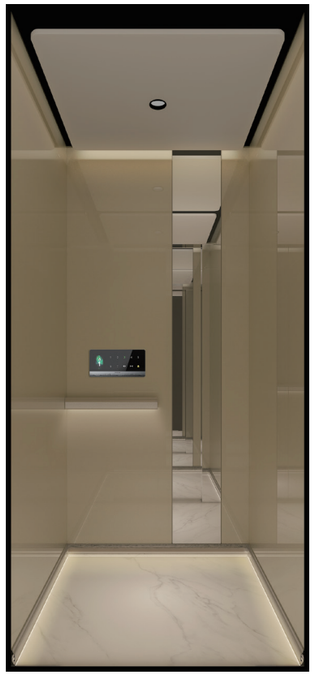
Car Wall XO-Z2136J:

Champagne gold metallic finish + light-colored woven fabric finish + dark luxury stone finish waistline; Embossed metallic color pattern finish + concealed LED light strip (Color temperature: 4000K);
Front wall: fingerprint-resistant matte stainless steel

Floor XO-Z2136AP:

Sintered stone (Cloud Grey)

OPTIONAL CAR DECORATION





XO-Z2112A

Ceiling XO-Z2121D(L):

Volcanic grey suspended ceiling + LED downlights & concealed LED light strip (Color temperature: 4500K)

Car Wall XO-Z2112AJ:

Iridescent gold metallic finish + white mirror-finish stainless steel;
Grey aluminum alloy luminous kickplate (Color temperature: 4500K)

Handrail XO-Z2112AF:

Grey aluminum alloy + grey litchi grain leather finish cladding,
concealed ambient LED light strip at the bottom (Color temperature: 4500K)

Floor XO-G610AP:

Sintered stone (Victoria White)

Note: When the clear car width CW ≤ 950mm, the rear wall is divided into two panels only, and the small rightmost finish panel is cancelled.

XO-Z2113A

Ceiling XO-Z2121D(L):

Grid embossed stainless steel suspended ceiling + LED downlights & concealed LED light strip (Color temperature: 4500K)

Car Wall XO-Z2113AJ:

Oak wood grain finish + white mirror-finish stainless steel; Black aluminum alloy luminous kickplate (Color temperature: 4500K)

Handrail XO-Z2113AF:

Black aluminum alloy + black litchi grain leather finish cladding,
concealed ambient LED light strip at the bottom (Color temperature: 4500K)

Floor XO-G610AP:

Sintered stone (Victoria White)

Note: When the clear car width CW ≤ 950mm, the rear wall is divided into two panels only, and the small rightmost finish panel is cancelled.

HUMAN INTERFACE



COP3-D

Standard

Display: 4.3" TFT-LCD
Buttons: Integrated in touch screen
Panel material: Glass
Panel frame material: Gunmetal grey aluminum alloy

CAR OPERATING PANEL



Glass - Black
Optional



Glass - White
Optional

10TOUCH

Panel material: Glass
Display: 10.1" TFT-LCD



Optional

15TOUCH

Panel material: Glass
Display: 10.1" TFT-LCD

HALL CALL



Standard

XHB21-AMINI

Display: 4.3" BND-LEDW
Button: BR22CM
Panel material: Jet Black glass



Optional

XHB21-A

Display: 4.3" BND-LEDW
Button: BR36E
Panel material:
Moonlight Silver glass/ Jet Black glass



Optional

XHB21-B

Button: BR36E
Panel material:
Moonlight Silver glass/ Jet Black glass



Optional

XHB24-A

Display: 1.1" EOD-LEDW
Button: Touch button
Panel material:
Black curved polycarbonate



Optional

XHB-MM

Display: 3.5" TFT-LCD
Button: BR35CM
Panel material: Tempered glass
+ black litchi grain leather



Optional

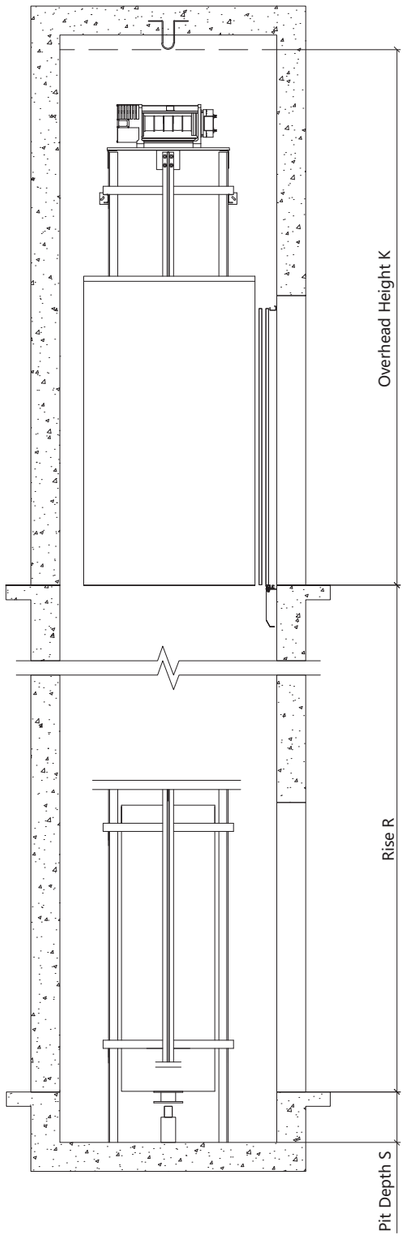
XHB36G

Button: BR36G
Panel material: Hairline stainless steel

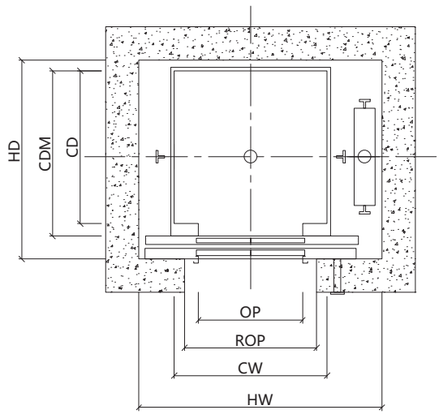
SIND-S Side Located Counterweight

Home Elevator

HOISTWAY ELEVATION



HOISTWAY PLAN



Basic Parameters

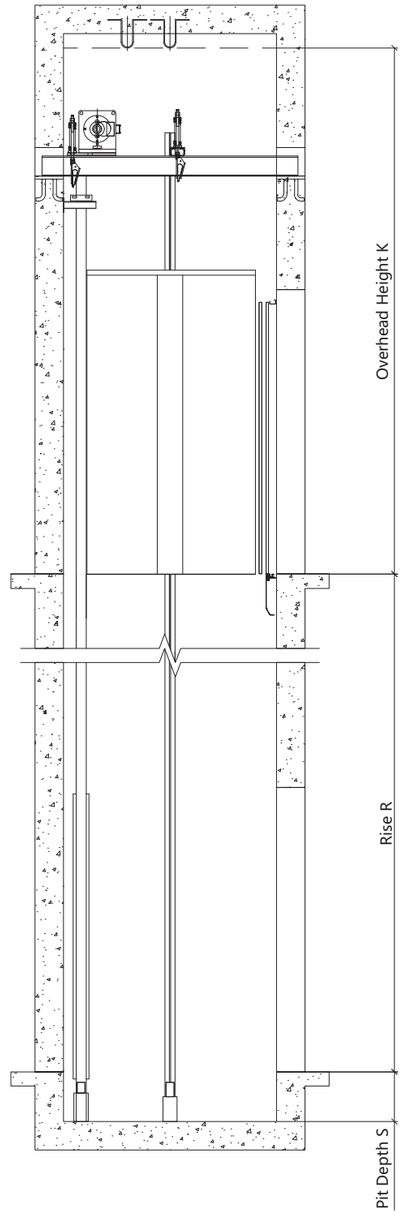
Load (kg)	Speed (m/s)	Standard Pit Depth S (mm)	Minimum Pit Depth S (mm)	Standard Overhead Height K (mm)	Minimum Overhead Height K (CH=2100mm) (mm)	Max. Rise (m)	Max. Floor
400	0.4	250	150	3000	2750	18	6
	0.63	350	250	3200	2800		

Load (kg)	Car Dim. CWxCDMxCH (mm)	Opening Net Dim. OPxOPH (mm)	Hoistway Net Dim. HWxHD (mm)
400	1100*1100*2200	750*2000	1600*1300
	1000*850*2200	700*2000	1500*1050

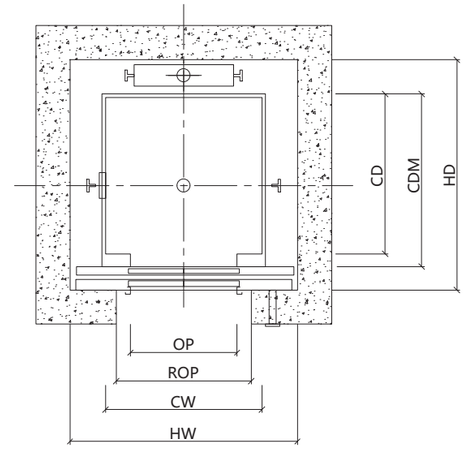
SIND-S Rear Located Counterweight

Home Elevator

HOISTWAY ELEVATION



HOISTWAY PLAN



Basic Parameters

Load (kg)	Speed (m/s)	Standard Pit Depth S (mm)	Minimum Pit Depth S (mm)	Standard Overhead Height K (mm)	Minimum Overhead Height K (CH=2100mm) (mm)	Max. Rise (m)	Max. Floor
400	0.4	250	150	3000	2850	18	6
	0.63	350	250	3200	2900		

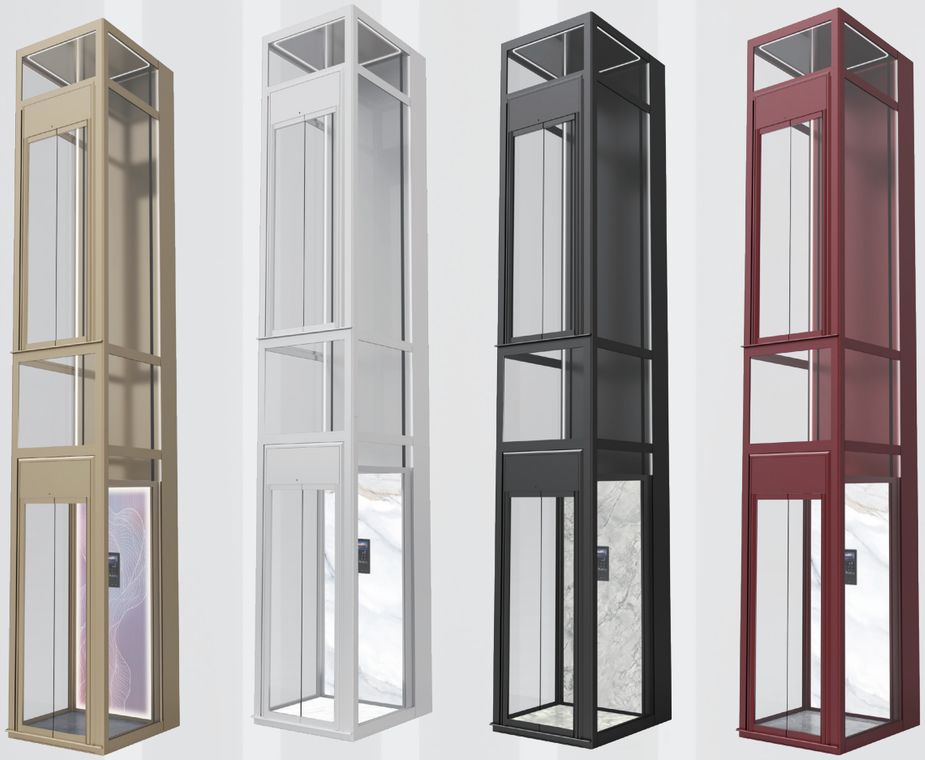
Load (kg)	Car Dim. CWxCDMxCH (mm)	Opening Net Dim. OPxOPH (mm)	Hoistway Net Dim. HWxHD (mm)
400	1500*1100*2200	700*2000	1500*1470
	1000*850*2200	600*2000	1350*1220

HANGZHOU SWORD ELEVATOR CO., LTD

SIND mini

Home Elevator

The profile color can be customized to complement your home decoration.



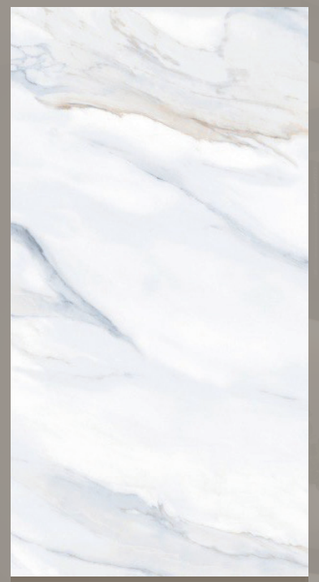
Silk Gold　Frost White　Jet Black　Bordeaux Red

The aluminum profile surface features a sand-textured finish.
For the exact color, please refer to the actual product.

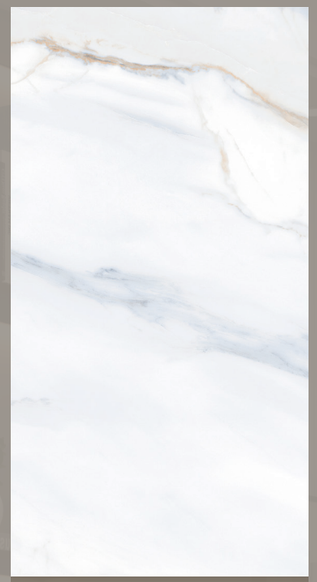


Starry Gray

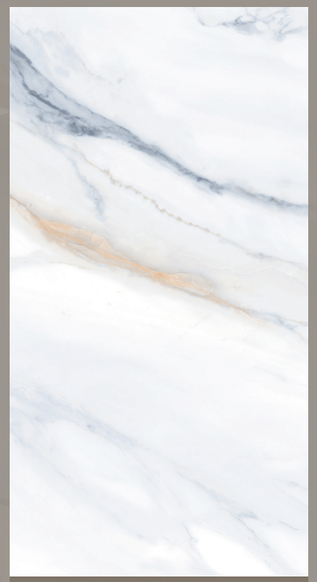
STREAMING LIGHT
WEAVING LIFE



XO-P001AJ
Sintered stone decorative Wall
Dawn White A



XO-P001AJ
Sintered stone decorative Wall
Dawn White B



XO-P001AJ
Sintered stone decorative Wall
Dawn White C

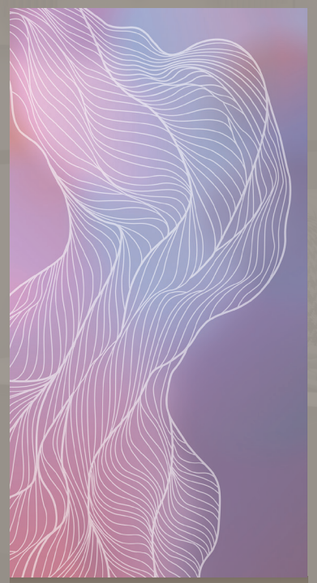
(Standard configuration, random delivery of Version A, B or C)



XO-P001EJ
Sintered stone decorative wall
Iceland Grey
(Optional, floor finish defaults to Iceland Grey)



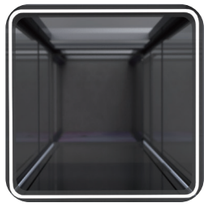
XO-P002AJ
Art glass decorative wall - Zhu Yun
(Optional)



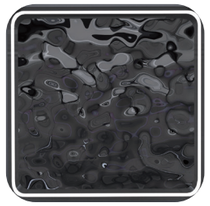
XO-P002BJ
Art glass decorative wall - Yun Ran
(Optional)

Note: All sintered stone pieces are cut from large slabs and shipped randomly.
Slight variations in texture may occur due to changes in elevator car dimensions.

CEILING



XO-P001D
Mirror Stainless Steel + Loop-shaped Acrylic Backlight (Standard)



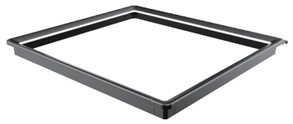
XO-P002D
Mirror Corrugated Board + Loop-shaped Acrylic Backlight (Optional)



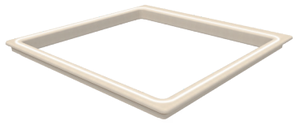
XO-P003D
Starry Sky Ceiling(Optional)

Note: Black titanium is to be selected for the ceiling when the hoistway is starry sky gray or ice crystal white; and titanium is to be selected when the hoistway is quicksand gold.

CEILING



XO-G616P
Aluminum frame + surrounding light (Standard)



XO-G617P
Leather frame + upper and lower light (Optional)

FLOOR



XO-P003P
Rock Slab Floor - New Wyndham Gray (Standard)

XO-P004P
Rock Slab Floor - Extra Hemus White (Optional)



XO-P005P
Rock Slab Floor - Armani Dark Gray (Optional)



XO-P001P
PVC Woven Floor - Polar Slate Gray (Optional)



XO-P002P
PVC Woven Floor - Bernina Dove Gray (Optional)



XO-P006P
PVC Woven Floor - Noble Deep Black (Optional)

CAR OPERATION PANEL



10TOUCH
Glass-Black
(Standard)



10TOUCH
Glass-White
(Optional)



COP11(Dark Black)
3.5 " TFT-LCD White segment code LED display
White Touch Button(Optional)



COP11(Pearl white)
3.5 " TFT-LCD Image display
White Touch Button(Optional)

HALL CALL



XHB23-A
Gray
(Standard)



XHB23-A
Silver
(Optional)



XHB22-A
Gray
(Optional)

XHB22-A
Silver
(Optional)



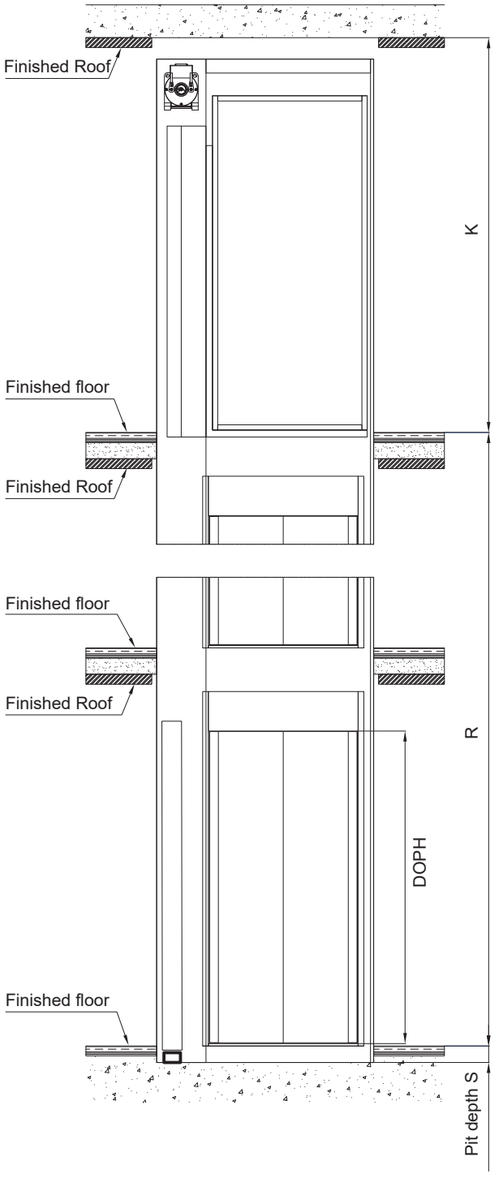
XHB24-A
Grey aluminium alloy
Dot matrix display
Touch button
(Optional)

SIND mini

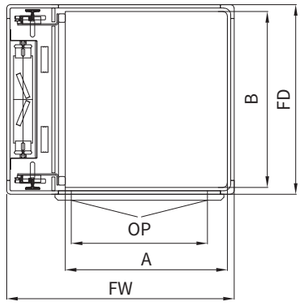
Home Elevator

Left-mounted counterweight - auto center opening sliding door

HOISTWAY ELEVATION



HOISTWAY PLAN



Basic Parameters

Load (kg)	Speed (m/s)	Min Pit S(mm)	Min Overhead K (mm)	Max. Floor (floor)	Max. Rise (m)
250 (3persons)	0.3	100(standard) 65(min)	2675	5	15
320 (4persons)			2500		

Car/Hoistway Dimensions

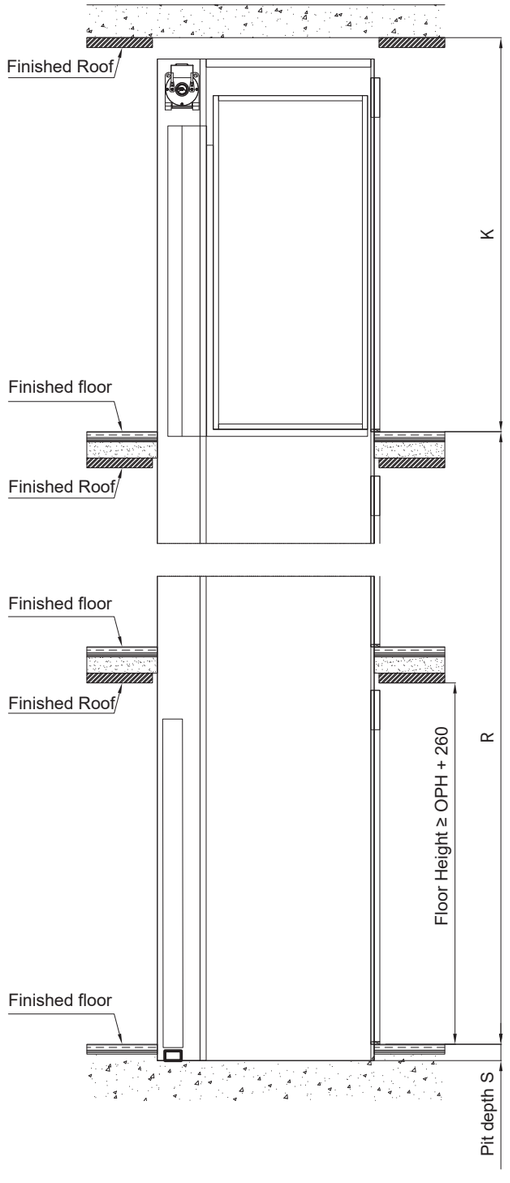
Load	Car Dim. A x B x CH(mm)	Opening Net Dim. OPxOPH (mm)	Frame Overall Dim. FW xFD (mm)	Hoistway Reserved Dim. RW x RD (mm)
250	840×920×2050	650×2000	1220×1000	1250×1030
320	1040×1120×2050	850×2000	1420×1200	1450×1230

SIND mini

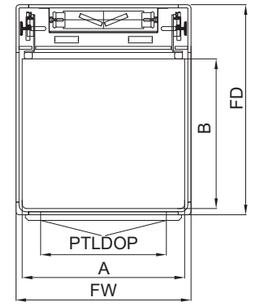
Home Elevator

Rear-mounted counterweight - auto center opening sliding door

HOISTWAY ELEVATION



HOISTWAY PLAN



Basic Parameters

Load (kg)	Speed (m/s)	Min Pit S(mm)	Min Overhead K (mm)	Max. Floor (floor)	Max. Rise (m)
250 (3persons)	0.3	100(standard) 65(min)	2655	5	15
320 (4persons)			2500		

Car/Hoistway Dimensions

Load	Car Dim. A x Bx CH (mm)	Opening Net Dim. OP x OPH(mm)	Frame Overall Dim. FW x FD (mm)	Hoistway Reserved Dim. RW x RD (mm)
250	920×840×2050	700×2000	1000×1220	1030×1250
320	1120×1040×2050	900×2000	1200×1420	1230×1450

High-Standard Freight Elevators

The S700F series freight elevators incorporate proven advanced technology and exquisite workmanship. Comprehensive innovations and optimizations have been made in the areas you care about most – transport efficiency, safety assurance, operational stability, and long-lasting durability. Perfectly suited for factories, warehouses, retail stores, shopping centers, logistics centers, transportation hubs, and other cargo-handling facilities, they represent a truly premier vertical freight transportation solution.



HANGZHOU SWORD ELEVATOR CO., LTD

S700F & S700F(MRL)

Freight Elevators



HEAVY-LOAD MASTER

More robust materials, greater car deadweight, and more precise weight sensing – capable of handling immense loads.

MULTIPLE REINFORCEMENTS

Freight-dedicated car frame construction with doubled rigidity, capable of handling all operating conditions with ease.

PERMANENT MAGNET SYNCHRONOUS TRACTION MACHINE OPTIMIZED FOR FREIGHT ELEVATORS

Compact structure with low-noise, equipped with dual intelligent braking torque detection, with rated braking torque performance improved by over 30%.

DOOR OPEN HOLD

Extends the door open time, allowing ample time for cargo loading and unloading, reducing repetitive operations, and handling busy logistics scenarios with ease.

S700F & S700F(MRL)

Freight Elevators

STANDARD CAR DECORATION



Car walls:
Painted steel

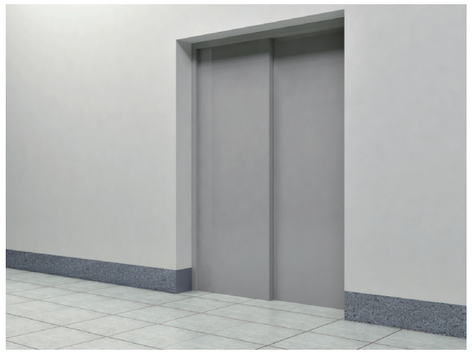
Ceiling XO-Z3308AL
Painted steel plate (RAL7047) + LED downlights

Floor:XO-Z0466
Anti-slip patterned steel plate.

OPTIONAL DOOR OPENING CONFIGURATIONS



Four panels - center opening folding door



Two panels - side opening door

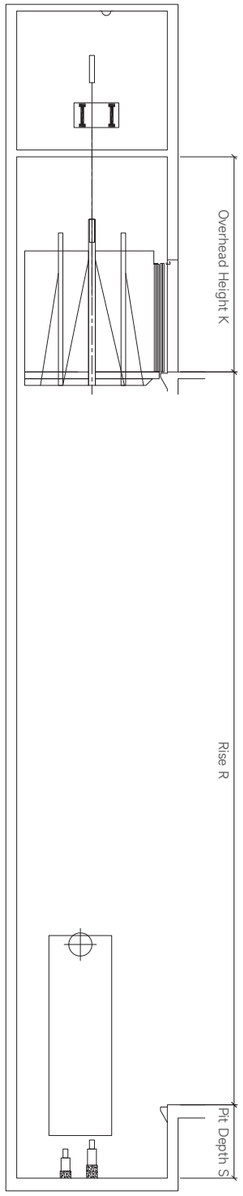
Dedicated Solution for Vehicle Vertical Transportation

A solution specifically designed for transporting vehicles. With an extra-heavy load design, it is widely used in factories, automotive plants, parking garages, stations, and other scenarios requiring vertical vehicle movement.

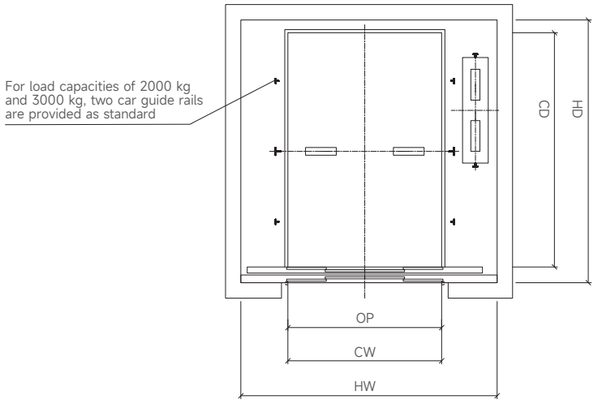
S700F

Freight Elevators

HOISTWAY ELEVATION



HOISTWAY PLAN



Basic Parameters

Load (kg)	Speed (m/s)	Pit S (mm)	Overhead K (mm)	Maximum Number of Floors	Maximum Rise (m)
2000	0.5	1500	4300	8	25
	1	1500	4300	16	50
3000	0.5	1500	4500	8	25
	1	1500	4500	16	50
4000	0.5	1500	4700	8	25
	1	1500	4700	16	50
4000	0.5	1500	4800	8	25
	1	1500	4800	16	50

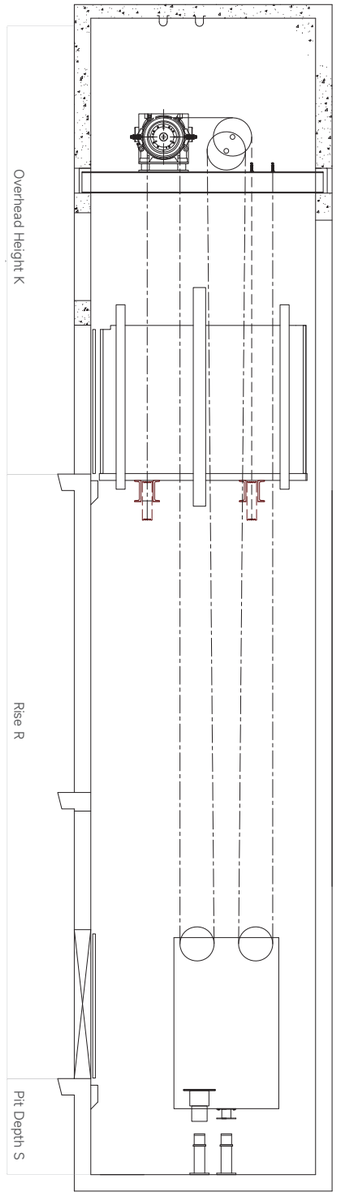
Car/Hoistway Dimensions

Load (kg)	Number of Guide Rail Rows	Door Opening Method	Single/ Double Doors	Car Dim. CWxCDxCH (mm)	Opening Net Dim. OPxOPH (mm)	Hoistway Net Dim. HWxHD (mm)
2000	2 Rails	2 Panels Side Opening	Single	1700×2300×2200	1500×2100	2700×2815
			Double	1700×2200×2200		2700×2862
3000	2 Rails	2 Panels Side Opening	Single	2100×2600×2200	1700×2100	3200×3115
			Double	2100×2500×2200		3200×3162
	6 Rails	4 Panels Center Opening	Single	2000×2700×2200		3200×3215
			Double			3200×3362
4000	6 Rails	4 Panels Center Opening	Single	2000×3500×2500	2000×2400	3500×3946
			Double	2000×3400×2500		3500×3892
5000	6 Rails	4 Panels Center Opening	Single	2400×3600×2500	2000×2400	4000×4046
			Double	2400×3500×2500		4000×3992

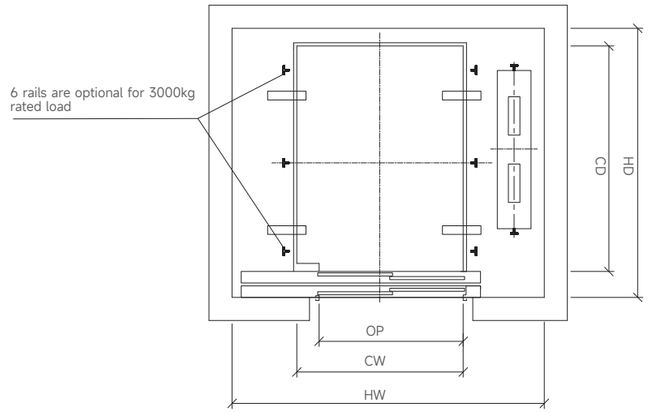
S700F(MRL)

Freight Elevators

HOISTWAY ELEVATION



HOISTWAY PLAN



Basic Parameters

Load (kg)	Speed (m/s)	Pit S (mm)	Overhead K (mm)	Maximum Number of Floors	Maximum Rise (m)
2000/3000	0.5	1500	4700	8	30
	1			16	50
4000/5000	0.5	1500	5300	8	25
	1			16	50

Car/Hoistway Dimensions

Load (kg)	Number of Guide Rail Rows	Door Opening Method	Single/ Double Doors	Car Dim. CWxCDxCH (mm)	Opening Net Dim. OPxOPH (mm)	Hoistway Net Dim. HWxHD (mm)
2000	2 Rails	2 Panels Side Opening	Single	1700×2300×2200	1500×2100	3250×2815
			Double			3250×2962
3000	2 Rails	2 Panels Side Opening	Single	2100×2600×2200	1700×2100	3550×3115
			Double	2100×2500×2200		3550×3162
	6 Rails	4 Panels Center Opening	Single	1700×3100×2200	1600×2100	3150×3615
			Double	1700×3000×2200		3150×3662
4000	4 Rails	4 Panels Center Opening	Single	2000×3500×2500	2000×2400	3700×3946
	6 Rails		Single			3700×3946
			Double			3700×3992
5000	4 Rails	4 Panels Center Opening	Single	2400×3600×2500	2400×2400	4200×4046
	6 Rails		Single			4200×4046
			Double			4200×4092

HANGZHOU SWORD ELEVATOR CO., LTD

S700S

Dumbwaiter

STRONG CIVIL ENGINEERING ADAPTABILITY

Comes with its own steel frame and occupies minimal space, enabling installation without a hoistway; equipped with a machine room partition platform, eliminating the need for a separate machine room or machine beams.

SUPERIOR CORE COMPONENTS

A dedicated dumbwaiter traction machine ensures smooth operation with "not a drop spilled"; the landing doors and frame are tightly integrated, significantly improving landing door and door lock stability.

EXCELLENT CAR SPACE

Available in multiple configurations, including window-mounted and floor-standing types. The enclosed hairline stainless steel car provides thermal insulation, dust protection, safety, and hygiene.

RICH OPTIONAL FUNCTIONS

The cabin lighting, heating lamps, ultraviolet disinfection and other safety functions are all designed to meet your needs.



WINDOW TYPE



FLOOR TYPE

Basic Functions of Dumbwaiter S700S

●	Emergency stop protection	●	Phase loss / phase sequence fault protection
●	Upper / lower limit protection	●	Landing door electrical interlock protection
●	Motor overcurrent protection	●	Landing floor indication
●	Direction of travel indication	●	Door open indicator
●	Emergency stop circuit open indicator	●	Arrival with door open notification
●	Call and door close notification	●	Inspection operation
●	Running time protection	●	Contactor welding detection
●	Automatic re-leveling	○	Car lighting
○	Car heating lamp	○	Ultraviolet sterilization and disinfection
○	Panoramic car / panoramic door	○	Main power supply (220V) control
○	Overspeed governor / safety gear fall prevention	○	Variable frequency control

Note: ● Standard functions ○ Optional functions

Basic Construction Parameters of Dumbwaiter S700S

Rated Speed (m/s)	Maximum Number of Floors	Maximum Rise (m)
0.4	8	30

Window Type Dumbwaiter – Car / Hoistway Dimensions (Counter Height: 700 mm)

Rated Load (kg)	Door Opening Dim. (mm)	Car Net Dim. (Width × Depth × Height) (mm)	Hoistway Net Dim. Side Counterweight Width HW× Depth HD (mm)	Hoistway Net Dim. Rear Counterweight Width HW× Depth HD (mm)	Pit Depth S (mm)	Overhead Height K Built Machine Room (mm)	Overhead Height K Unbuilt Machine Room (mm)
100	700×750	700×700×800	1250×1000	1100×1150	0	2500	4300
200	800×750	800×800×800	1350×1100	1200×1250			
250	900×950	900×900×1000	1450×1200	1300×1350			
300	1000×950	1000×1000×1000	1550×1300	1400×1450			

Floor Type Dumbwaiter – Car / Hoistway Dimensions

Rated Load (kg)	Door Opening Dim. (mm)	Car Net Dim. (Width × Depth × Height) (mm)	Hoistway Net Dim. Side Counterweight Width HW× Depth HD (mm)	Hoistway Net Dim. Rear Counterweight Width HW× Depth HD (mm)	Pit Depth S (mm)	Overhead Height K MR (mm)	Overhead Height K MRL (mm)
100	700×1050	700×1000×1100	1250×1300	1100×1450	1000	2300	4100
200	800×1150	800×1000×1200	1350×1300	1200×1450			
250	900×1150	900×1000×1200	1450×1300	1300×1450			
300	1000×1150	1000×1000×1200	1550×1300	1400×1450			

PERFORMANCE

Efficient and reliable, your first safety choice.

HANGZHOU SWORD ELEVATOR CO., LTD

S900E

Commercial escalator

Perfect Quality, Extraordinary Performance

Commercial escalators have been painting the flowing landscape in our modern city. Hangzhou SWORD Elevator Co.,Ltd. not only considers the traditional elements of safety, energy conservation, comfortableness and quietness, but also seeks for coordination with buildings and the humanized design.

SAFE AND RELIABLE

Meet the latest safety standards, with safety switches spreading all over the key parts and real-time monitoring of the running state.

EASY TO MAINTAIN

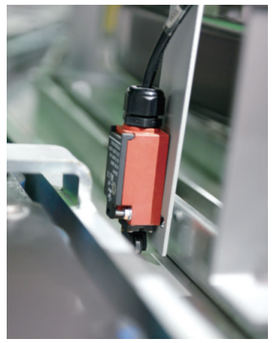
Use the fault self-diagnosis display device; quickly find the failure cause and the fault part, and reduce the downtime.

STRONG DRIVING FORCE

The strong reliable driving motor can bear the overload for a short time.

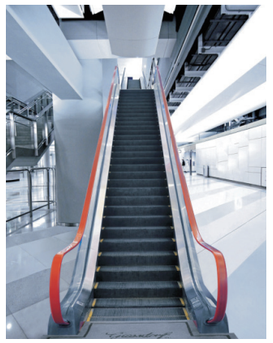
MULTI-ENVIRONMENTAL ADAPTABILITY

It's suitable for indoor and outdoor environments, suitable for 50Hz and 60Hz two frequencies, and can be running under different voltages.



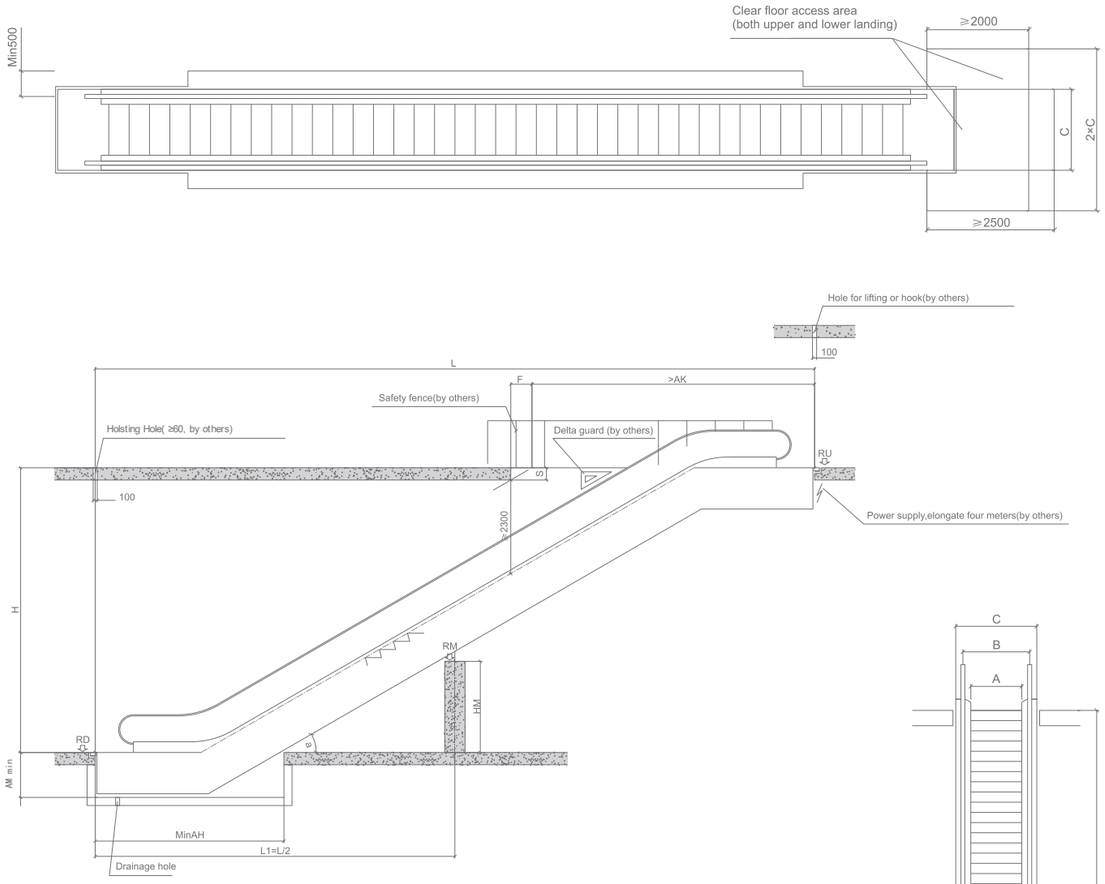


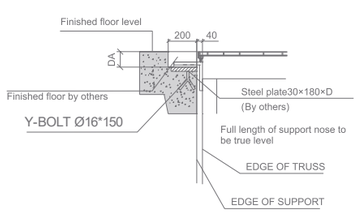




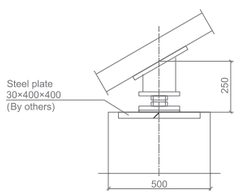
S900E

Commercial Escalator Layout

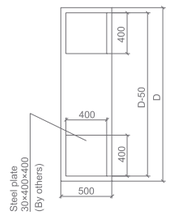




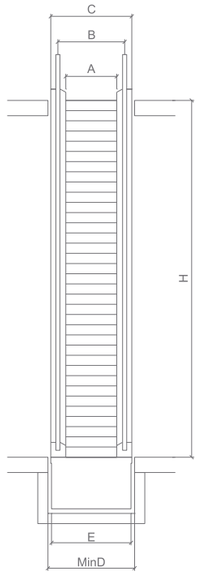
U/D SUPPORT DETAIL(SYMMETRIC)



MID Support Detail

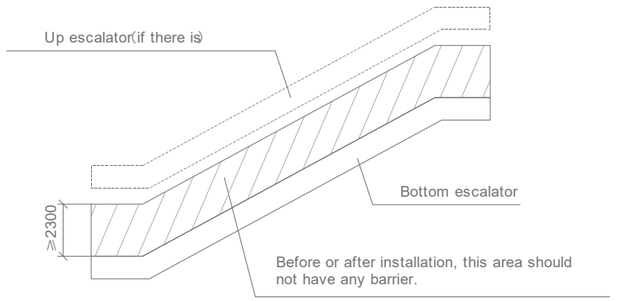


MID SUPPORT DETAIL (PLAN VIEW)



DUTIES OF OWNERS AND BUILDERS

- This drawing is fit for the products with rise 3m≤H≤8m,the permitted tolerance for rise is −15mm ~ +15mm;The permitted tolerance for level length is 0 ~+15mm.
- When the level length L > 15.3m, the intermediate support base is needed.
- Before installation, all holes have to be enclosed with the safety guard which height is not less than 1.2m and guarantee the sthengh is enough.
- After finish installation, the owner should consider to set safety guard rail around the escalator.
- The pit should be water−proof, and the location of plash should be set at the corner.
- The pit drain hole should be connected with the drainage system, the work should be done by others.
- According to the requirement of the technical data, the power supply with safety switch is set at the machine room. The fluctuation of voltage should not more than ± 7%. The zero line and ground line should be seperated and the ground resistance is not more than 4 Ω.
- Use 10mm² soft line as the power input cable, done by others.
- When the space between handrail center line and other barrier is less than 500mm, a guard plate without sharp edge should be set above outter deck plate, and the height should not less than 300mm.
- If there is any special requirement, the contract should be made after approved by the company technical depaprtment



Note: If the escalator is up and bottom arrangement, it is required to have 2300mm clear space above the bottom escalator. Refer to the dash area in the left. Any questions, pls contact SWORD technical department.

Angle(a)	Speed (m/s)	Rise H (mm)	Flat steps	Step Width A (mm)	Span L (mm)	Other Location Dim.(mm)							Reaction(KN)			AM(mm)		DA(mm)	
						AH	AK	B	C	D	E	F	RU	RD	RM				
35°	0.5	3000≤H≤6000	2	600	1.428H+5405	4060	6450	837	1130	1240	1100	1.428S	3.76L+18	3.76L+12		For Indoor, Outdoor model A	1103	Without Shock absorbing rubber	108
				800	1.428H+4905		5950	1037	1330	1440	1300		4.41L+15	4.41L+9					
				1000				1237	1530	1640	1500		5.11L+13	5.11L+5					
30°	0.5	6000<H≤8000	3	800	1.732H+5565	4640	6950	1037	1330	1440	1300	1.732S	2.02L+13.2	2.02L+6.8	6.33L+4.8				
				1000				1237	1530	1640	1500		2.3L+13.6	2.3L+7.1	7.16L+4.9				
		3000≤H≤6000	2	600	1.732H+5265	4240	7050	837	1130	1240	1100		3.66L+27	3.66L+22		For Outdoor model B with Oil separator	1353	With Shock absorbing rubber	128
				800	1.732H+4765		6550	1037	1330	1440	1300		4.31L+18	4.31L+10					
				1000				1237	1530	1640	1500		4.96L+17	4.96L+10					

NOTE:DO NOT SCALE THIS DRAWING,UNLESS OTHERWISE STATED.

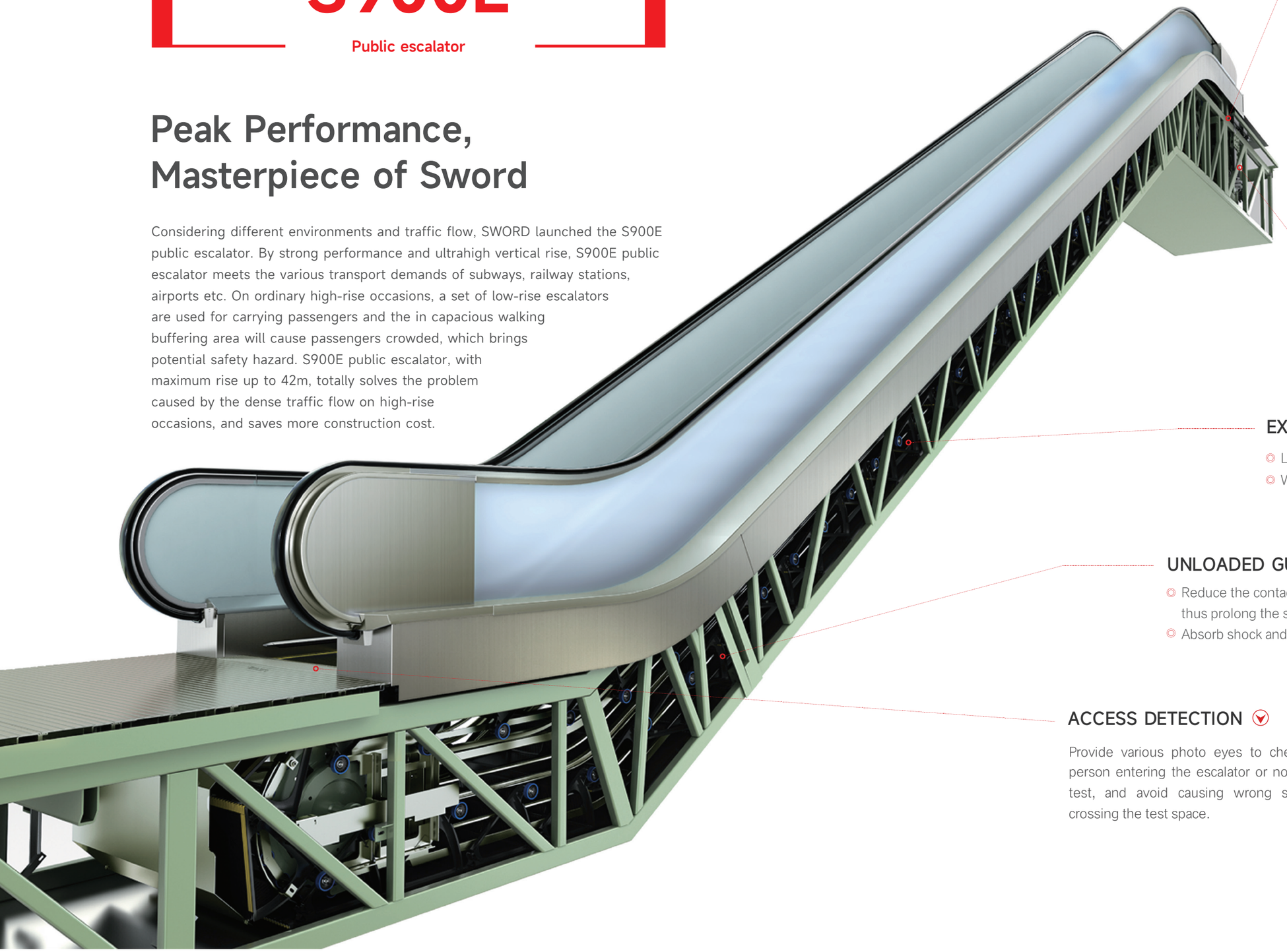
HANGZHOU SWORD ELEVATOR CO., LTD

S900E

Public escalator

Peak Performance, Masterpiece of Sword

Considering different environments and traffic flow, SWORD launched the S900E public escalator. By strong performance and ultrahigh vertical rise, S900E public escalator meets the various transport demands of subways, railway stations, airports etc. On ordinary high-rise occasions, a set of low-rise escalators are used for carrying passengers and the in capacious walking buffering area will cause passengers crowded, which brings potential safety hazard. S900E public escalator, with maximum rise up to 42m, totally solves the problem caused by the dense traffic flow on high-rise occasions, and saves more construction cost.



HIGH-STRENGTH TRUSS MADE OF SQUARE TUBE

Truss made of square tubeis used. Under the same deflection condition, thesquare tube can support high-load requirements, horizontal stability and breaking performance. According to the customer's requirement, we can provide a truss deflection of 1/1500 at highest and meet the load intensity demands at various places. The truss of the escalator is calculated and designed precisely, with fully sealed design, which improves the anti-corrosion and solidity of the truss at maximum.

DOUBLE MOTORS

- Double motors, super power.
- Double brakes, dual safeguard.

EXTERNAL ROLLER

- Large diameter external rollers, easier to replace.
- Widened step chain, sturdy and durable.

UNLOADED GUIDE RAIL

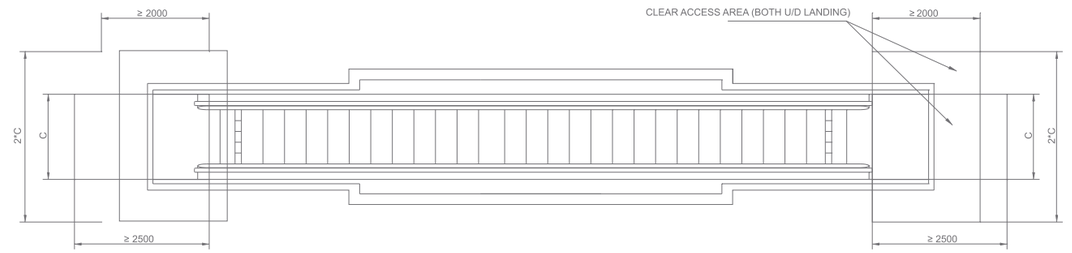
- Reduce the contact surface between guide rail and rollers and thus prolong the service life of rollers.
- Absorb shock and improve the comfortability.

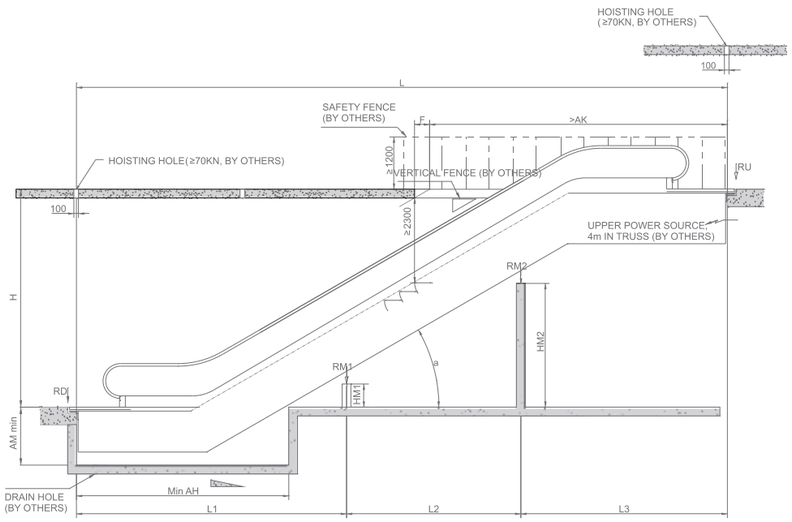
ACCESS DETECTION

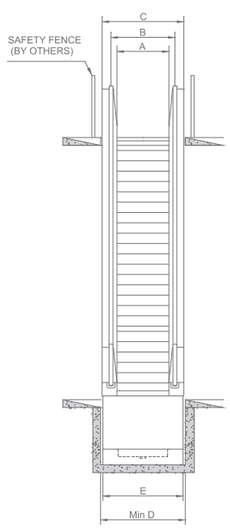
Provide various photo eyes to check if there is any person entering the escalator or not; Provide a second test, and avoid causing wrong startup by anyone crossing the test space.

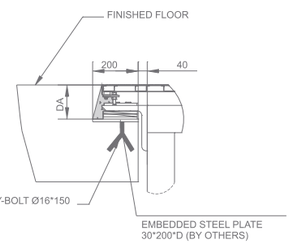
S900E

Ordinary Public Escalator Layout

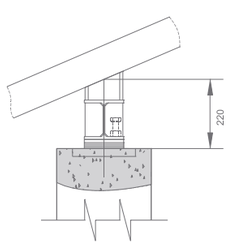




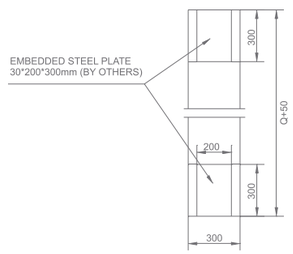




U/D SUPPORT DETAIL(SYMMETRIC)



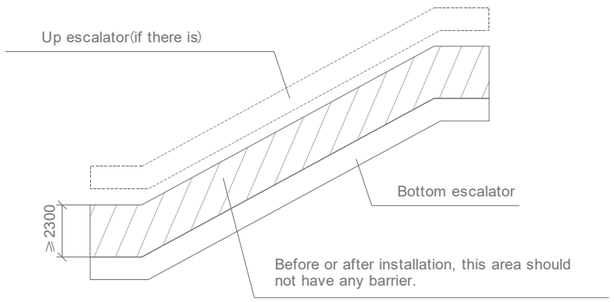
MID SUPPORT DETAIL



MID SUPPORT DETAIL (PLAN VIEW)

DUTIES OF OWNERS AND BUILDERS

- This drawing is fit for the products with rise 3m≤H≤8m,the permitted tolerance for rise is −15mm ~ +15mm;The permitted tolerance for level length is 0~+15mm.
- When the level length L > 15.3m, the intermediate support base is needed.
- Before installation, all holes have to be enclosed with the safety guard which height is not less than 1.2m and guarantee the sthengh is enough.
- After finish installation, the owner should consider to set safety guard rail around the escalator.
- The pit should be water−proof, and the location of plash should be set at the corner.
- The pit drain hole should be connected with the drainage system, the work should be done by others.
- According to the requirement of the technical data, the power supply with safety switch is set at t he machine room. The fluctuation of voltage should not more than ± 7%. The zero line and ground line should be seperated and the ground resistance is not more than 4Ω.
- Use 10mm² soft line as the power input cable, done by others.
- When the space between handrail center line and other barrier is less than 500mm, a guard plate without sharp edge should be set above outter deck plate, and the height should not less than 300mm.
- If there is any special requirement, the contract should be made after approved by the company technical depaprtment



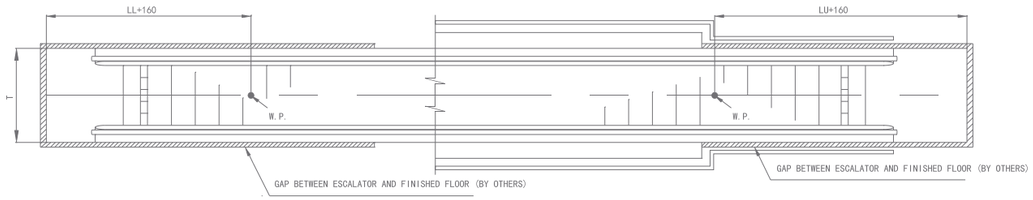
Note: If the escalator is up and bottom arrangement, it is required to have 2300mm clear space above the bottom escalator. Refer to the dash area in the left. Any questions, pls contact SWORD technical department.

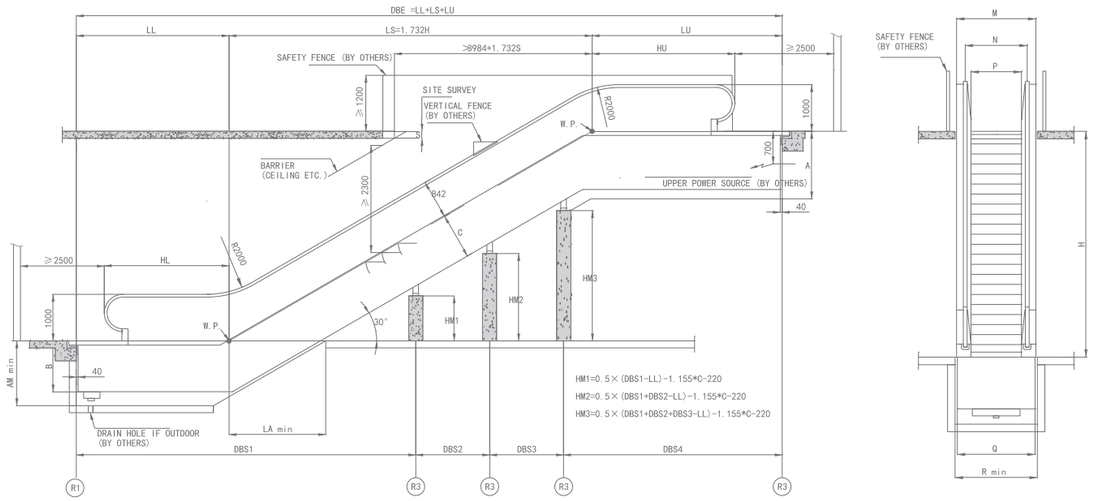
Angle (a)	Speed (m/s)	Rise H(mm)	Flat Steps	Step Width A(mm)	Span L(mm)	Other Location Dim.(mm)							Reaction(KN)				AM (mm)		DA (mm)
						AB	AK	B	C	D	E	F	RU	RD	RM1	RM2			
30°	0.5,0.65	3,000~15,000	3	1000	1.732H+6576	4900	7750	1237	1580	1580	1550	1.732S	4*L3+21.5	4*L1+1.5	5.5*(L1+L2)+10	5.5*(L3+L2)+10	indoor (without Oil water separator	1150	150
				800				1037	1380	1380	1350		3.7*L3+21.5	3.7*L1+1.5	5.2*(L1+L2)+10	5.2*(L3+L2)+10			
			4	1000	1.732H+7376	5300	8150	1237	1580	1580	1550		4*L3+21.5	4*L1+1.5	5.5*(L1+L2)+10	5.5*(L3+L2)+10			
				800				1037	1380	1380	1350		3.7*L3+21.5	3.7*L1+1.5	5.2*(L1+L2)+10	5.2*(L3+L2)+10			
27.3°	0.5,0.65	3,000~15,000	3	1000	1.937H+6461	5050	8200	1237	1580	1580	1550	1.937S	4*L3+21.5	4*L1+1.5	5.5*(L1+L2)+10	5.5*(L3+L2)+10			
				800				1037	1380	1380	1350		3.7*L3+21.5	3.7*L1+1.5	5.2*(L1+L2)+10	5.2*(L3+L2)+10			
			4	1000	1.937H+7261	5450	8600	1237	1580	1580	1550		4*L3+21.5	4*L1+1.5	5.5*(L1+L2)+10	5.5*(L3+L2)+10	outdoor (with Oil water separator	1330	
				800				1037	1380	1380	1350		3.7*L3+21.5	3.7*L1+1.5	5.2*(L1+L2)+10	5.2*(L3+L2)+10			
23.2°	0.5,0.65	3,000~15,000	3	1000	2.333H+6287	5300	9010	1237	1580	1580	1550	2.333S	4*L3+21.5	4*L1+1.5	5.5*(L1+L2)+10	5.5*(L3+L2)+10			
				800				1037	1380	1380	1350		3.7*L3+21.5	3.7*L1+1.5	5.2*(L1+L2)+10	5.2*(L3+L2)+10			
			4	1000	2.333H+7087	5700	9410	1237	1580	1580	1550		4*L3+21.5	4*L1+1.5	5.5*(L1+L2)+10	5.5*(L3+L2)+10			
				800				1037	1380	1380	1350		3.7*L3+21.5	3.7*L1+1.5	5.2*(L1+L2)+10	5.2*(L3+L2)+10			

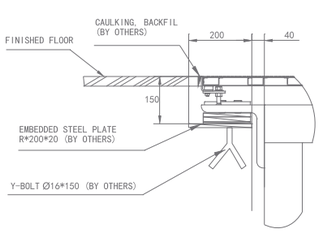
NOTE:DO NOT SCALE THIS DRAWING,UNLESS OTHERWISE STATED.

S900E

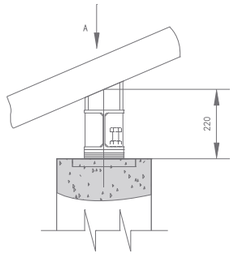
Heavy Public Escalator Layout



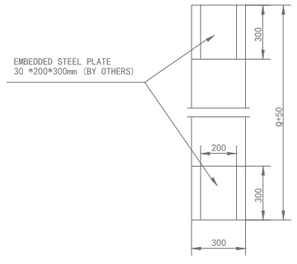




U/D SUPPORT DETAIL(SYMMETRIC)



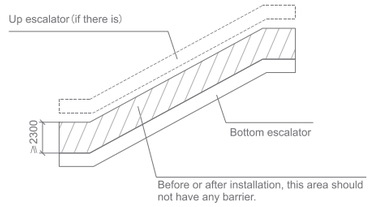
MID SUPPORT DETAIL



MID SUPPORT DETAIL (PLAN VIEW)

DUTIES OF OWNERS AND BUILDERS

◎This drawing is fit for the products with rise 3m≤H≤8m,the permitted tolerance for rise is −15mm～+15mm;The permitted tolerance for level length is 0~+15mm.
◎When the level length L＞15.3m, the intermediate support base is needed.
◎Before installation, all holes have to be enclosed with the safety guard which height is not less than 1.2m and guarantee the sthengh is enough.
◎After finish installation, the owner should consider to set safety guard rail around the escalator.
◎The pit should be water−proof, and the location of plash should be set at the corner.
◎The pit drain hole should be connected with the drainage system, the work should be done by others.
◎According to the requirement of the technical data, the power supply with safety switch is set at t he machine room. The fluctuation of voltage should not more than ± 7%. The zero line and ground line should be seperated and the ground resistance is not more than 4Ω.
◎Use 10mm² soft line as the power input cable, done by others.
◎When the space between handrail center line and other barrier is less than 500mm, a guard plate without sharp edge should be set above outter deck plate, and the height should not less than 300mm.
◎If there is any special requirement, the contract should be made after approved by the company technical depaprtment



Note: If the escalator is up and bottom arrangement, it is required to have 2300mm clear space above the bottom escalator. Refer to the dash area in the left. Any questions, pls contact SWORD technical department.

Overall Dimension (Length)：(mm)

	3500＜H≤6000		6000＜H≤10000		10000＜H≤12000		12000＜H≤15000		15000＜H≤22000	
Flat Steps	3	4	3	4	3	4	3	4	3	4
A	1400	1400	1400	1400	1400	1400	1400	1400	1600	1600
B	1300	1300	1150	1150	1150	1150	1150	1150	1150	1150
C	1480	1480	980	980	1180	1180	980	980	980	980
HU	2665	3065	2665	3065	2890	3290	2890	3290	2890	3290
LU	3680	4080	3680	4080	3905	4305	4405	4805	4405	4805
HL	2280	2680	2280	2680	2280	2680	2280	2680	2280	2680
LL	2880	3280	2880	3280	2880	3280	2880	3280	2880	3280
AM	1600	1600	1450	1450	1450	1450	1450	1450	1450	1450
LA	3080	3080	2080	2080	2480	2480	2080	2080	2080	2080
DBS1	——	——	1/2DBE	1/2DBE	1/2DBE	1/2DBE	1/3DBE	1/3DBE	1/4DBE	1/4DBE
DBS2	——	——	1/2DBE	1/2DBE	1/2DBE	1/2DBE	1/3DBE	1/3DBE	1/4DBE	1/4DBE
DBS3	——	——	——	——	——	——	1/3DBE	1/3DBE	1/4DBE	1/4DBE
DBS4	——	——	——	——	——	——	——	——	1/4DBE	1/4DBE

Remarks: LU, LL in above sheet are min. value, and can be prolonged. Max. LU 6000, Max. LL 5000. Otherwise please contact SWORD.

Overall Dimension (Length)：(mm)

M (Escalator Width)	N (Handrail Width)	P (Step Width)	Q (Truss Width)	R (Min. Pit Width)
1730	1238	1002	1700	1790

Reaction：(N)

Flat Steps	Rise H	Supports	R1	R2	R3	R4	R5
3	3500＜H≤6000	2	11H+36000	11H+48000	——	——	——
	6000＜H≤10000	3	5.5DBS1+8000	5.5DBS2+14000	5.5DBE+7000	——	——
	10000＜H≤12000	3	6DBS1+10000	6DBS2+20000	6DBE+7000	——	——
	12000＜H≤15000	4	6DBS1+10000	6DBS3+20000	6(DBE1+DBE2)+7000	6(DBE2+DBE3)+7000	——
	15000＜H≤22000	5	6.2DBS1+4000	6.2DBS4+17000	6.2(DBE1+DBE2)−4000	6.2(DBE2+DBE3)−5000	6.2(DBE3+DBE4)+3000
4	3500＜H≤6000	2	11H+38000	11H+50000	——	——	——
	6000＜H≤12000	3	5.5DBS1+10000	5.5DBS2+16000	5.5DBE+7000	——	——
	10000＜H≤12000	3	6DBS1+12000	6DBS2+22000	6DBE+7000	——	——
	12000＜H≤15000	4	6DBS1+12000	6DBS3+22000	6(DBE1+DBE2)+7000	6(DBE2+DBE3)+7000	——
	15000＜H≤22000	5	6.2DBS1+6000	6.2DBS4+19000	6.2(DBE1+DBE2)−4000	6.2(DBE2+DBE3)−5000	6.2(DBE3+DBE4)+3000

S900E

Commercial escalator

BASIC FUNCTION

Running Direction Selection	The operation box at the entrance of escalators and moving walks has a key switch, with the "↑ ↓" mark on its panel. Using the dedicated key, you can select the running direction as required.
Startup Warning	No warning during maintenance; warning before the normal startup: the bell rings for 3 seconds, and then Y-type starts; after 3 seconds, △-type operates, and then the ring disappears. Before and after the startup if there are anomalies, you can press the emergency stop button on the operation panel to put an end to the startup.
Automatic Lubrication	Using computer-controlled automatic lubrication system, no need for full-time refuel staff, and can ensure the moderate amount of the oil.
Automatic Fault Display	Maintain a constant monitoring of the whole machine's running condition: when there is a fault, it displays the fault location timely on the nixie tube, which allows the service personnel to find the fault immediately and reduces the downtime.
Inching Inspection	In order to easily maintain and repair, the escalator or moving walk has the function of inching inspection. Insert the inspection plug into any of the inspection socket in the upper or lower machine room, the escalator or moving walk then goes into an inspection condition.
Motor Speed Testing	In order to ensure the safety of passengers, when the running speed of escalator or moving walk is 20% faster than the rated speed, the escalator or moving walk will automatically stop operating, and restart running after professional treatment.
Motor Protection Function	In order to guarantee the safety of the equipment, the escalator and moving walk have the functions of motor overheating protection, phase failure protection, etc.
Variable Frequency Function	Select the dedicated inverter to control the escalator or moving walk's operation. When there is no person, it runs at the low speed of 0.2m/s; When the infrared device at the entrance detects that a person walks into the front plate area of the escalator or moving walk, the escalator or moving walk runs at the normal speed of 0.5m/s and the energy-saving can reach 40%-60%, which decreases the peak current by 50%-80%, and reduces the mechanical wear.
Skirt Panel Brush	Brushes are installed on both sides of the skirt panel, in order to avoid shoes (shoelaces) being scraped by (drawn into) the skirt panel, which improves the safety.

OPTIONAL FUNCTION

Direction Indicator	The escalators and moving walks are equipped with luxurious running direction indicator lamps at the entrance to make them more elegant and nobler.
Skirt Panel Illumination	Installed on both sides of skirt panel, the streamlined high-brightness illumination along the escalator will not only improve the safety, but also enhance the elegant temperament of the building.
Handrail Illumination	Installed inside the handrail bracket, it can attract passengers to hold the handrail more firmly;like the skirt panel illumination, it can also enhance the temperament of the building.
Inclined Inner Cover Plate	It is mainly applied to the transportation hubs of large passenger flow and high load-bearing pressure, which can maximally extend the space and comfortableness of the escalator, while improving the safety of passengers.
Step Illumination	Under the steps at the top and bottom parts, the escalator is equipped with the step warning light,which can make the passengers distinguish the staggered and leveling state of the steps, thus improving the safety of the escalator.





TECHNOLOGY

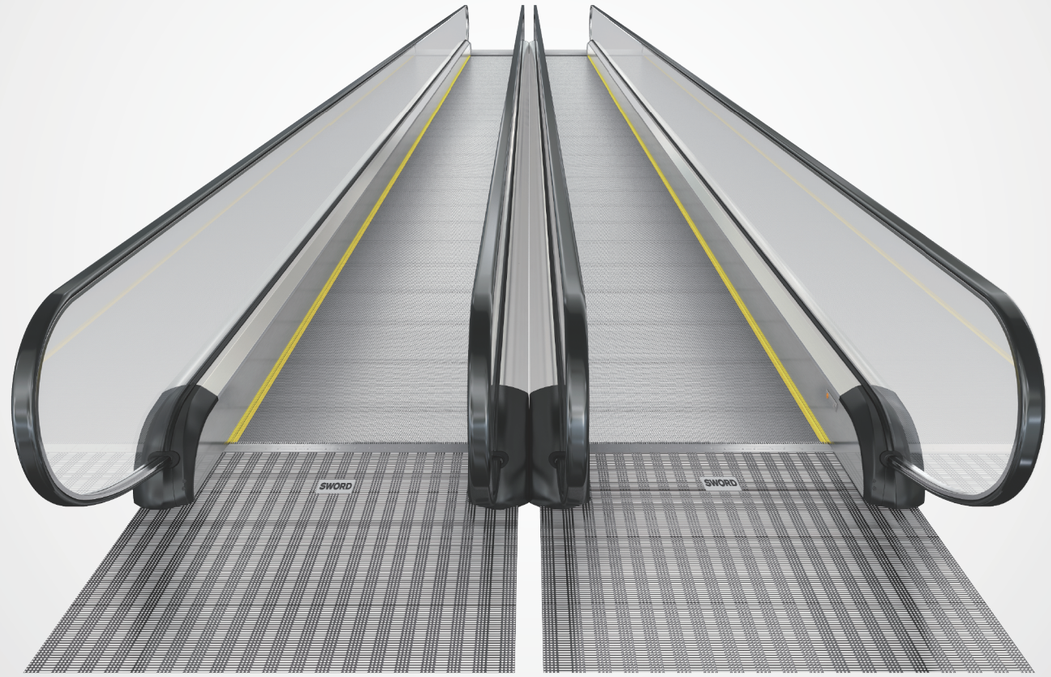
Stylish technology,leading to a new realm of life.

S900T is dedicated to creating a harmonious living space, adhering to "Green, Quality, Safe" brand concept, letting you travel forward safely.

HANGZHOU SWORD ELEVATOR CO., LTD

S900T

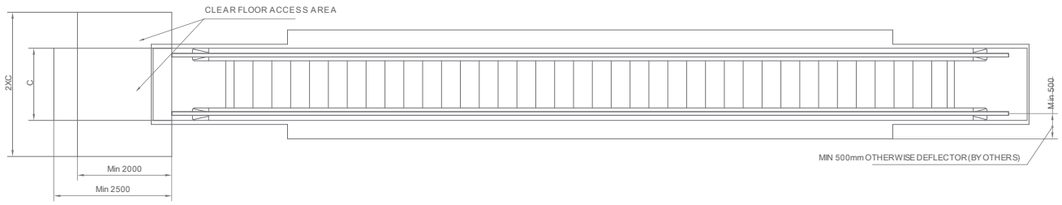
Moving Walks

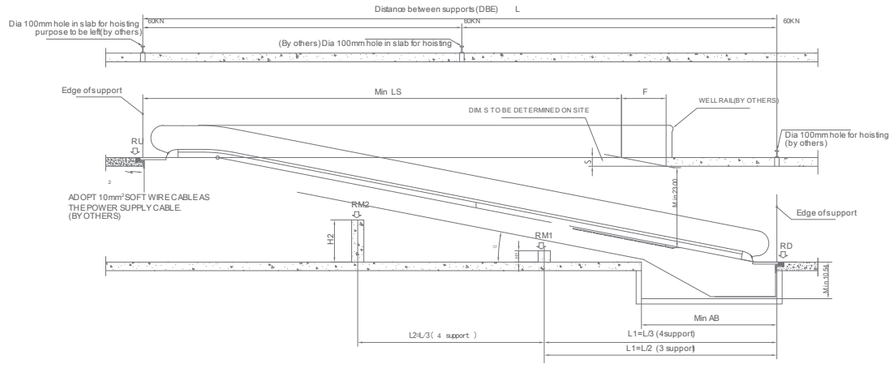


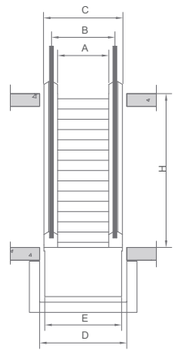
S900T moving walks are designed with advanced technologies, which provide you with steady, comfortable and safe travelling experience. They are the flowing scenery in our city architectures which is widely used in airports, railway stations and shopping malls, etc.

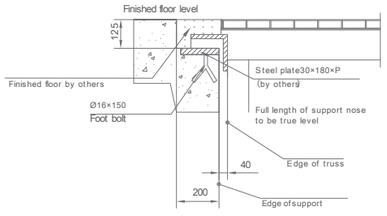
S900T

Moving Walks Layout

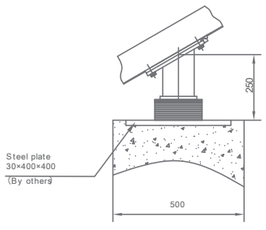




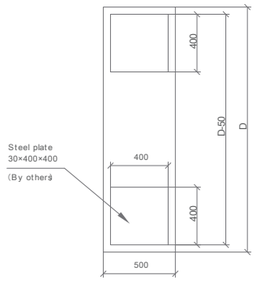




U/D SUPPORT DETAIL(SYMMETRIC)



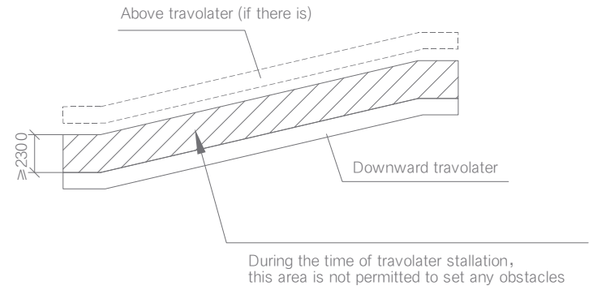
MID SUPPORT DETAIL



MID SUPPORT DETAIL (PLAN VIEW)

DUTIES OF OWNERS AND BUILDERS

- This drawing is fit for the products with rise 1.5m≤H≤6m,the permitted tolerance for rise is −15mm～+15mm; The permitted tolerance for level length is 0～+15mm.
- When the level length L＞ 13m, the intermediate support base is needed.
- Before installation, all holes have to be enclosed with the safety guard which height is not less than 1.2m and guarantee the sthengh is enough.
- After finish installation, the owner should consider to set safety guard rail around the escalator.
- The pit should be water−proof, and the location of plash should be set at the corner.
- The pit drain hole should be connected with the drainage system, the work should be done by others.
- According to the requirement of the technical data, the power supply with safety switch is set at the machine room.The fluctuation of voltage should not more than ±7%. The zero line and ground line should be seperated and the ground resistance is not more than 4 Ω.
- Use 10mm2 soft line as the power input cable, done by others.
- When the space between handrail center line and other barrier is less than 500mm, a guard plate without sharp edge should be set above outter deck plate, and the height should not less than 300mm.
- If there is any special requirement,the contract should be made after approved by the company technical depaprtment



Note: If the escalator is up and bottom arrangement, it is required to have 2300mm clear space above the bottom escalator. Refer to the dash area in the left. Any questions, pls contact SWORD technical department.

Angle(a)	Speed (m/s)	Rise H(mm)	Step Width A(mm)	Span L(mm)	Other Location Dim.(mm)								Reaction(KN)								
					AB	LS	F	B	C	D	E	P									
10°	0.5	1500≤H≤6000	800	5.6713H+2866	5600	14898	5.6713S	1037	1330	1430	1300	1054	STEP WIDTH (mm)	1000				800			
			1000					1237	1530	1630	1500		REACTIONS (KN) No.of supports	RU	RD	RM1	RM2	RU	RD	RM1	RM2
11°			800	5.1446H+2902	5060	13747	5.1446S	1037	1330	1430	1300	1054	2	4.9L+14	4.9L+6.2			4.25L+18	4.25L+8.2		
			1000					1237	1530	1630	1500										
12°			800	4.7046H+2938	4650	12790	4.7046S	1037	1330	1430	1300	1054	3	2.2L+14	2.2L+5	6.1L+4.2		1.9L+17	1.9L+8	5.2L+8.2	
			1000					1237	1530	1630	1500		4	1.5L+15	1.5L+6	3.45L+5	3.45L+5.2	1.3L+17	1.3L+9	3.1L+9.2	3.1L+10

NOTE:DO NOT SCALE THIS DRAWING,UNLESS OTHERWISE STATED.
Please consult contract management technology department about S900T encountered tilt angle is 0.

Human Interface

HALL CALLS



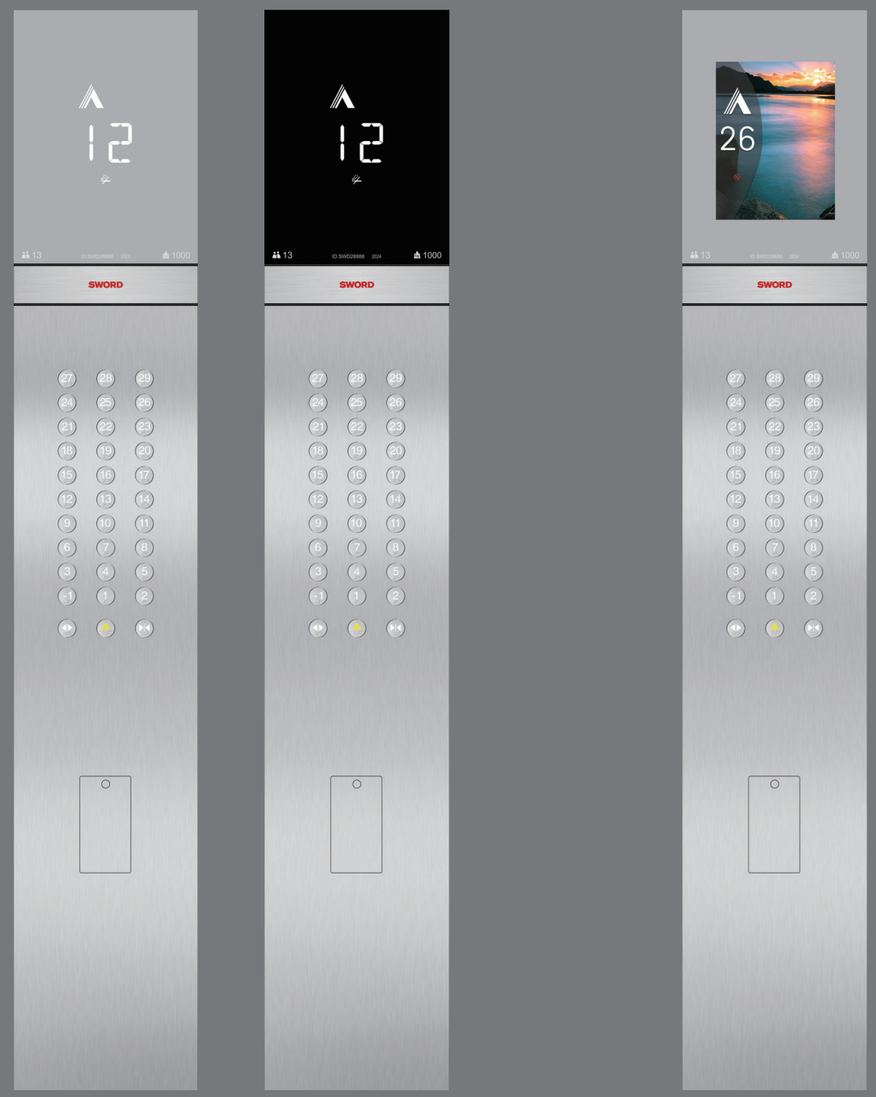
XHB30-A Horizontal Indicator
7"BND-LEDW white segment code display



XHB30-A
Hall Call



COP6



Moonlight silver Jet black

BR34B Hairline stainless steel shimmering buttons with braille

COP DISPLAYS

15” Multimedia – LCD displays



C401 (Vertical)



C401 (Horizontal)



C402 (Vertical)



C402 (Horizontal)



C403 (Vertical)



C403 (Horizontal)



C404 (Vertical)



C404 (Horizontal)



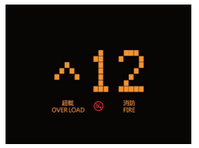
COP2



COP DISPLAYS



6.4"BND-LEDW
White segment code LED display



6.4"EOD-LEDY
Orange dot matrix LED display

15" Multimedia – LCD Display (dynamic UI)



C301



C302



C303

Note: Dynamic C401, C402, C403, C404 are available

BUTTONS



BR36D
Hairline stainless steel shimmering round button with braille



BR34B
Mirror stainless steel shimmering round button with braille



BS34D
Hairline stainless steel shimmering square button with braille

BARRIER-FREE COP



COP10
Moonlight silver

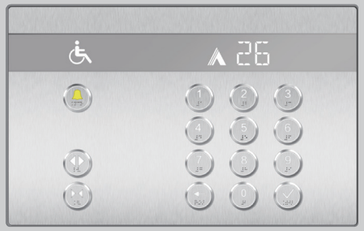
BR36D shimmering round button with braille



COP10
Jet black

BR36D shimmering round button with braille

Note: COP10 is not designed with a display, and supports 36 floor buttons at most. This figure shows a COP10 with 20 floor buttons.



COP10-A
Moonlight silver

4.3" BND-LEDW white segment code display
BR34B shimmering round button with braille



COP10-A
Jet black

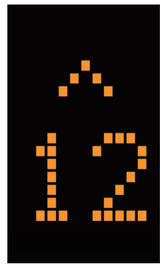
4.3" BND-LEDW white segment code display
BR34B shimmering round button with braille

Note: COP10-A is designed with a display of keyboard input type, and supports numerical floor input up to 99. It comes standard with backspace button and confirm button, and can be customized with special buttons for non-stop floor, special characters, door hold and other purposes.

HALL CALL DISPLAYS



4.3"BND-LEDW
White segment code LED display



4.3"EOD-LEDO
Orange dot matrix LED display

HALL CALLS



XHB15-A
Box-free Type
(Simplex)



XHB15-A
Box-free Type
(Duplex)



XHB25-A
Box-free Type
(Simplex)



XHB25-A
Box-free Type
(Duplex)



XHB20-A Horizontal Indicator
7"BND-LEDW white segment code display



XHB20-B Horizontal Indicator
7"BND-LEDW white segment code display



XHB20-A
Hall Call
Box-free Type



XHB20-A
Hall Lantern
Box-free Type



XHB20-B
Hall Call
Box-free Type



XHB20-B
Hall Lantern
Box-free Type

HALL CALLS



XHB21-A
Moonlight silver
Box-free Type
(Simplex)

XHB21-A
Moonlight silver
Box-free Type
(Duplex)



XHB21-A
Jet black
Box-free Type
(Simplex)



XHB21-A
Jet black
Box-free Type
(Duplex)



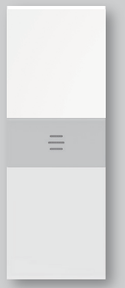
HPI21 Horizontal Indicator
7"BND-LEDW white segment code display



HPI21 Horizontal Indicator
7"BND-LEDW white segment code display



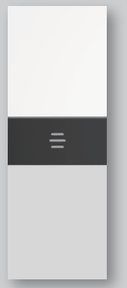
XHB21-B
Hall Call
Box-free Type



HL21
Hall Lantern
Box-free Type



XHB21-B
Hall Call
Box-free Type



HL21
Hall Lantern
Box-free Type

Note: XHB21-A, XHB21-B, HL21, HPI21 horizontal display have 2 color choices: Moonlight Silver, Jet Black.
Optimum matching: COP6, with the same panel color.

HALL LANTERN



HL204
Moonlight silver



HL204
Jet black



HL205



HL206



HL207
7"BND-LEDW white segment code display

BASIC FUNCTION

- Operating Functions

Full Collective Operation	On the basis of signal control, elevator call signals are assembled together to make selective response.
Load Non Stop	When the car is fully loaded, the elevator does not respond to the hall call signal but executes the car-internal signal.
Automatic Home Landing	If there's no registration of calls or operations within the set time, the car will automatically return to the preset home floor and wait there.
Error Call Cancel	Before the car starts, the registration of a call or operation can be cancelled by double click of this button.
Floor Space Self-Learning	The system can automatically record each floor's height and make precise distance control when the elevator is operating.
Key Switch	When lock key moves, the system no longer respond to hall call signals. After the elevator finishes responding to all the car-internal instructions, it automatically returns to the home floor.
Door Open Button Door Close Button	Door open and close buttons are set in the cabin. When the elevator is not running, you can press the open button to open the door, or press the close button to cancel the open waiting time and close the door at once, which improves the running efficiency.
Separate Control For Car Door & Hall Door'S Opening Time	The system can set different opening time for hall door and car door.
Auto-Correction Operation	When the elevator loses its position, it auto-corrects itself to the right position.
Nearby Leveling	When the elevator misses the leveling location, no need to return to the bottom floor, only stop at the nearby floor, in order to save the passenger's time.
Door-Closing Waiting Time Cancel	Through clicking the close button, close the cabin door immediately.
Re-Opening For Hall Door	In normal closing process, when pressing the hall button, if the direction of hall call button is the same with the elevator's running direction, the elevator will be re-opened again.
Torque Compensation Without Weighing	When elevator starts, system would compensate torque according to the current weight without weighing, in order to create a comfortable starting feeling.
Operating Direction Reverse Predication	Before the elevator operates to target floor, when the calculation shows there is no command in the same direction after responding to the target floor, the display reverses its direction in advance.
Attendant Service	The attendant service allows semi-automatic operation with manual control.
Independent Service	This function is designed for meeting customers' special needs. When independent service is switched on, the elevator willonly answer the registered car's call instruction and deviate from group control.

- Safety Functions

Protection For First & Top Floors	f the speed is not slowed down to the pre-set value while the car is reaching the first or top floor, a forced deceleration will be carried out by system in order to protect the safety of the car.
Error Self-Diagnosis	The system can automatically diagnose and record the elevator's error signal, and use special tools to quickly remove the fault.
Motor Overheat Protection	Self-protection mode will be started if the temp of the motor exceeds the pre-set value due to the heat made by motor itself or the high temp in the environment. The car stops at the nearest floor, unloaded, and shuts down the light and ventilation; once the temp falls down to the pre-set value, the car will return to normal work.
Steel Wire Rope Sliding Self-Test	Real-time monitoring of the relative displacement of the traction steel wire rope.
Door-Closing Torque Protection	If the resistance torque reached the pre-set value when closing the door, the door will reopen.
Speed Anomaly Detection	By monitoring and comparing the encoder feedback signal and the system pre-set speed value, the system can master the elevator's running speed. Once the difference value is beyond the scope that the system allows, the system gets into the protection state and the car stops running.
Contactor Anomaly Detection	According to the contact device's control command, the system detects the state of the main contactor and the brake contactor. If anomaly is found, the system will enter a state of protection and the elevator stops running.
Power Grid Anomaly Detection	If the power grid fluctuation is over a certain safety margin, the system gets into the protection state and the elevator stops running.
Light Curtain Protection	Light curtain protection fence is set up at the entrance of the elevator. Every scan loop has 154 bunches of infrared rays, and the reaction time is one second.
Overload Alarm	When the load of the car exceeds rated capacity, overload alarm is triggered. This operation includes opening the door, sounding the buzzer, illuminating the overload lamp and cancelling all the COP commands. The overload condition is removed when the weight of the car falls below the rated load.
Door Open/Close Protection	When the elevator reaches a floor, the door isn't opened completed in the setting time because of obstacle or other reasons, the elevator will enter the open protection mode - after opening the door in this floor unsuccessfully three times, it runs to the next floor to open the door; When the door isn't closed completely in the setting time because of obstacle or other reasons, the elevator will enter the close protection mode and not respond to any call commands.
Brake Anomaly Detection	If difference is discovered between the actual braking state and the system command, the elevator will get into protection state and stop running.
Emergency Home Landing (In Case Of Fire)	When fire breaks out in the building, after the system receiving the fire alarm, the elevator will cancel all the commands and call signals, and drive the elevator to return to the fire-fighting floor, open the door and evacuate the passengers.
Hall Door Self-Learning	When adding floors and stops, carry out the hall door self-learning to ensure the safety and then the elevator can operate normally.
Safety Rescue	When the elevator detects anomaly, under the premise of safety assurance, it enters the safety rescue operation mode, issues voice message to appease and prompt, and stops at the nearest floor to open the door and release passengers, after which, according to the actual situation after the accident, determines whether the elevator can run again or not.

BASIC FUNCTION

- Emergency Functions

Five-Way Intercom	There is an intercom device around car, car bottom, car roof, machine room and monitor room.
Cabin Alarm	In case of emergency, the alarm bell will be activated by pressing the alarm button on the car operation panel.
Emergency Electric Operation In Machine Room	An emergency electric operation device is installed in machine room. When an emergency happens, it can be operated by the professional maintenance staff in the machine room.
Cabin Emergency Light	Emergency light in the car will start whenever there is a power cut.

- Energy-Saving Functions

Lighting & Fan Auto-Control In Car	IIf the lift does not receive any instructions within the pre-set time, the elevator automatically shuts off the cabin lighting and fan, in order to save energy.
Energy-Saving Display	After a pre-set time, if there is no hall call registration, display will turn off for energy-saving.

- Human interface

Car Passing Chime	When the elevator arrives at the target station, the car passing chime will remind the passengers with a loud bell.
Hall & Car Direction Indicator	Both car and hall screens will display the elevator's running direction.
Car & Hall Display	The indicator in the car operation panel or in the hall call panel will display the elevator's floor position and running direction by arrow signals.
Customized Floor Info Display	Based on customer's demand, the elevator can set a different floor info display. This information can be a combination of numbers 0-9, letters A-Z or any of the two characters and also can be set to a three-digit display beginning with 1, such as 13A etc. Note: segment code display cannot distinguish the number 0 from the letter O, the letter S from the number 5.
Cabin Fire Status Indicator	When fire breaks out, through the indicator in the cabin, remind the passengers to leave and do not take the elevator.
Shimmery Button	When not pressed, the COP buttons keep shimmery as an indicator for passengers; when pressed, the COP buttons turn full-lighted as a command registration.
COP Registration Tone	When the floor call in the cabin is successfully registered, the elevator gives the "ding" sound feedback, so it is more humanized and facilitates the operation of special groups.

- Intelligence

Communication Monitoring Protection	Real-time monitoring of control system and the communication status in the car. When detecting communication outage in the car, the elevator automatically opens the door and issues voice message to appease and remind passengers to leave the car.
Hall Call Intelligent Registration	IIn the group control mode, when an elevator fails to pick up all the passengers, the button will automatically re-register and keep the calling, and the system will automatically send another elevator to serve the waiting passengers.
Door Open Time Intelligent Adjustment	The elevator system automatically adjusts the opening time of the door according to the different flows of the entrance and exit of the landing station and the car and hall call instructions.
Control System Temperature Monitoring	Real-time monitoring of the temperature of the control system. If the trend of over-temperature is detected, the elevator will transfer into the safety rescue mode to prevent people from getting stuck.
Intelligent Comfortable Operation	The control system automatically calculates the optimal running curve according to the spacing of different target floors, so that the elevator operates smoothly and comfortably.
Button Sticking Automatic Identification	The control system can automatically identify the sticking or jamming of the hall call buttons, automatically remove the stuck or jammed call command, in order to avoid the failure of closing the door due to the sticking or jamming of the hall call buttons.

- Special Operation

Anti-Nuisance Car Call Protection	If there is only one passenger in the car, and an excessive number of car calls are registered, nuisance is detected and all car calls will be cancelled.
Auto-Parking	EElevators in the same group will park on different floors in its spare time, in order to optimize the using efficiency of the elevators.
Hall Call Cancel	Switch and buttons on the main panel can be dialed up to cancel the outside hall call, in order to facilitate testing and maintenance.
Static Positioning	When doing the motor angle positioning, no need to take the steel wire cable away from the traction machine, which is more convenient for installation at worksite. (2.5m/s, no such function)
Car Top Inspection	Set up the repair switch at the car top which is convenient for maintainers to repair in the hoistway. At this time, the repair switch for the machine room is invalid.
Silent Mode	At hotels, apartments and other places, in a specific period of time (e.g. night), automatically close the sound of the station chime and keep silent for the tenants; at other times, the station chime generator automatically restores the voice and provides voice announcement for the elevator users.

Pacifying Voice	When the elevator is in a special state, the voice will pacify the passengers in the car.
Nearby Leveling	When the elevator loses its leveling position, no need to reach the bottom floor to reset, and just stop at the nearest floor to correct its position, so as to save the waiting time of passengers. (2.5m/s, as a basic function)
Progressive Reduction Of Electric Current	During the stopping of the elevator, the electric current will be gradually reduced to zero, so as to improve the comfortableness of the passenger's riding experience.
Zero Speed Stop Under Repair	When under repair, the elevator stops at zero speed, in order to increase the service life of motor's brake.
Test-Free	By the DIP and repair switch on control panel, the elevator can automatically complete the testing itself.
Auto Re-Leveling	When the elevator's door opens, because of the personnel's entrance, the telescopic steel wire rope leads to the changes of the elevator's leveling position and the elevator will automatically correct its leveling position at a slow speed.

OPTIONAL FUNCTION

Door Open Standby	This function changes the door close standby function of common elevators. By setting up parameters, make the elevator open the door and stand by, in order to keep the air circulating and fresh.
Anti-Nuisance Hall Call Protection	Hall calls include up call and down call. If the passenger operates wrongly, the elevator will open and close the door twice. This function can reduce the door opening and closing for one time and improve the operating efficiency.
Attendant Non-Stop	When pressing the non-stop button, elevator will move straightly to the target floor, ignoring all the hall calls.
Door Hold Button	The cabin is equipped with the door hold button. When the switch is on, the elevator doesn't close the door for a set period of time. After the set waiting time, the elevator automatically closes its door. During the waiting (door-opening) process, if you press the close button, the door will be closed immediately and cancel the waiting.
Duplex	When there are two elevators, the duplex function can be selected. When in duplex, according to its priority, the system sends the fastest available elevator to serve the hall call command, in order to reduce the passenger's waiting time.
Voice Announcement	The elevator is equipped with the voice announcement device, which tells the passengers the floor that the elevator is stopping at, the state of the door and other information.

Hall Chime	In general, the hall chime is integrated in the hall call display to remind passengers of the elevator's arrival.
Emergency Fireman Operation	When the key switch preinstalled in the car is turned on, the elevator will cancel all the hall call signals, and only respond to the signals from the car. This function is intended to cooperate with firemen to put out the fire and should be used with the fire elevators.
Fireman Landing Success Feedback	Through a fire-isolated switch, system could feed back fireman landing success signal to the fire-fighting system in the residential district.
Automatic Rescue Device	This device is used for rescue operation in case of power failure. It is powered by a rechargeable battery. When a sudden power cut happens, a sound signal will comfort the trapped passengers, and the car will move towards the nearest floor, keeping the door open to release the passengers.
Reverse Command Cancel	When the elevator is running upward or downward, the command that is in the reverse direction cannot be registered.
Area Elevator System	Computers are carried out for the district monitor system. This function can provide computed monitoring for all the elevators in this district and offer the BA for the intelligent building management system.
Building Management System	The elevator can provide the discrete-type running state signals for the intelligent building management system. The main signals are running direction, floor information, safety information, etc.
CCTV Cable Interface Reservation (Including CCTV Cable)	Cable interfaces are reserved for the installation of the cabin CCTV (including the CCTV cable).
Advanced Door Opening	Start the function and the elevator's speed will be slowed down to a set value to open the door when the elevator enters the door area, which improves the operating efficiency. (When speed≥2.5m/s, this function is a basic function.)
Conference Priority Mode	In the group control mode, if there is a large passenger flow in a certain floor due to the closing of a meeting, this mode can be manually triggered by a dedicated switch or by automatic triggering of the sensor, then the other elevators will automatically come to this floor to serve.
IC Card Automatic Registration	After the user swipes the IC card, the system automatically registers the floor instruction, with no need to press the button. (This function cannot be used together with the IC card open access function.)
Arrival Pre-Remind Button	According to the optimal curve automatically calculated, pre-remind the elevator's next landing floor and the corresponding floor button flashes.
Arrival Pre-Remind Display	According to the optimal curve automatically calculated, pre-remind the elevator's next landing floor and the corresponding floor number flashes.
VIP Priority Service	When the VIP passenger on a certain floor hopes that the elevator can arrive at his floor immediately or preferentially, by pressing the switch, the system will automatically send an elevator to answer this priority call and cancel all the hall calls. The elevator will arrive at the floor at the first time to carry the VIP passenger and at this time it only responds to the cabin instructions and does not reply to any hall call service.

Note: If there is a difference between the real products and the functional list in this catalogue, please refer to the explanation by SWORD sales representatives.