ASIA SIGMA



ASIA SIGMA ON HIGH TECH
HIGH TECH GREATLY INFLUENCES THE WORLD!

ASIA SIGMA ELEVATOR

ASIA SIGMA ELEVATOR COMPANY LTD

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Because of the restriction of the printing technology if there is any slight difference between the actually machining color and that from this pamphlet, please take the actual material and color sample as the criterion.

In December 2021

ASIA SIGMA ELEVATOR COMPANY LTD



Brief Introduction

ASIA SIGMA ELEVATOR COMPANY LTD. is located in Qidu Town on the banks of the Taihu Lake, a famous scenic spot in China. It is close to Nanxun, "The Hometown of Elevator" and an ancient cultural town in China. We introduce the most advanced German technology in the world. We specialize in researching into, developing, designing, manufacturing, installing, repairing and maintaining various elevators. The company has "The Safe Manufacture License to Special National Equipment". It passes the Quality Management System ISO9001 Certification. It is Member of China Elevator Association.

The registered capital is 100,000,000RMB. Factory houses cover an area of over 15,000 square meters. Through the experience accumulation and international operation, the products cover escalator, moving walk, shopping elevator, passenger elevator, villa elevator, observation elevator, freight elevator series etc. We can specially design various elevators according to the client's requirements. We satisfy the customer's diverse demands to the greatest extent. Furthermore, we try our best to perfectly combine science with art into every style of elevator.

From research; design to market sales, ASIA SIGMA Elevator goes through continuous tests and improvements. Our design teams are rich in experience, high & new tech R & D capacity. We gain multiple patents in burgeoning fields. The company standardizes the product assembly craft requirements, inspection criterion. We are strict and careful in every sector. We are based upon the client's needs. We take the customer's satisfaction as assessment standard to the products and services. In order to meet the requirements from different nations; regions, users and levels, the company establishes one continuous line of the effective service system from elevator design, manufacture to installation, repair and maintenance. Therefore the clients can be rest assured in purchasing and using our elevators.

ASIA SIGMA is trustworthy because of its professional works! ASIA SIGMA spurs on high tech. High tech greatly influences the world!

Superb Quality Comes From Trumpf ASIA SIGMA.

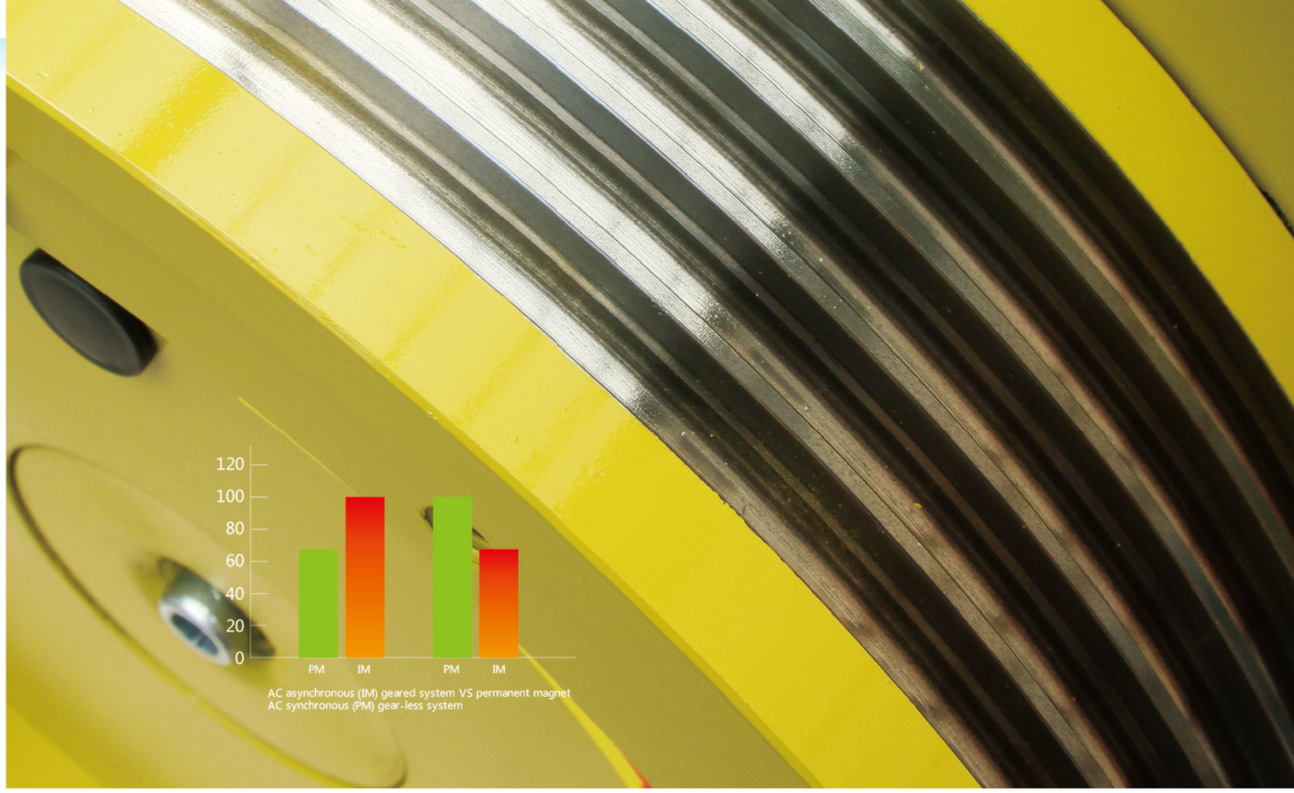
- Long life
- Little noise
- Strong general -purpose
- Elegant and attractive
- More advanced
- More secure
- Monitored running
- High efficiency & energy-saving

Energy-saving and Advanced technology

Microcomputer control system

Double 32-digit micro-computer control panel combines with vector closed-loop control technology, loop communication system, unique graphic generator etc. It brings about the quicker and more reliable elevator dynamic response speed.





Top advanced door operator system

Door machine control system of TRUMPF elevator applies double control systems. One group is controlled by main controller of control cabinet, the other by door machine controller. It greatly reduces door machine control system troubles that result in un-opening of elevator door.

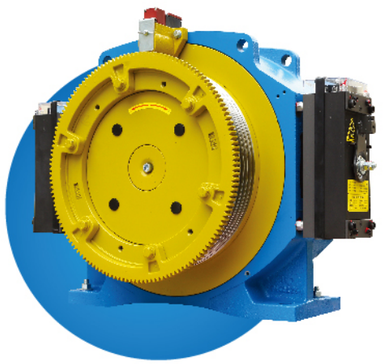


Energy feedback system

We convert mechanical energy in motion load into regenerative clean electric energy through energy feedback device. It feeds back to AC power grid, supplies other neighboring power equipments. It thus fulfills energy-saving.

New generation permanent magnet synchronous gearless traction machine

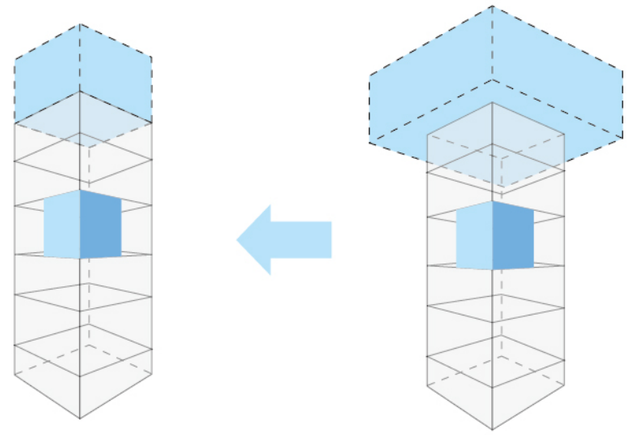
It can save over 40%of energy.
It needs no grease renewal without oil pollution.
Which brings peace and refreshment.



Small Machine Room Passenger Elevator

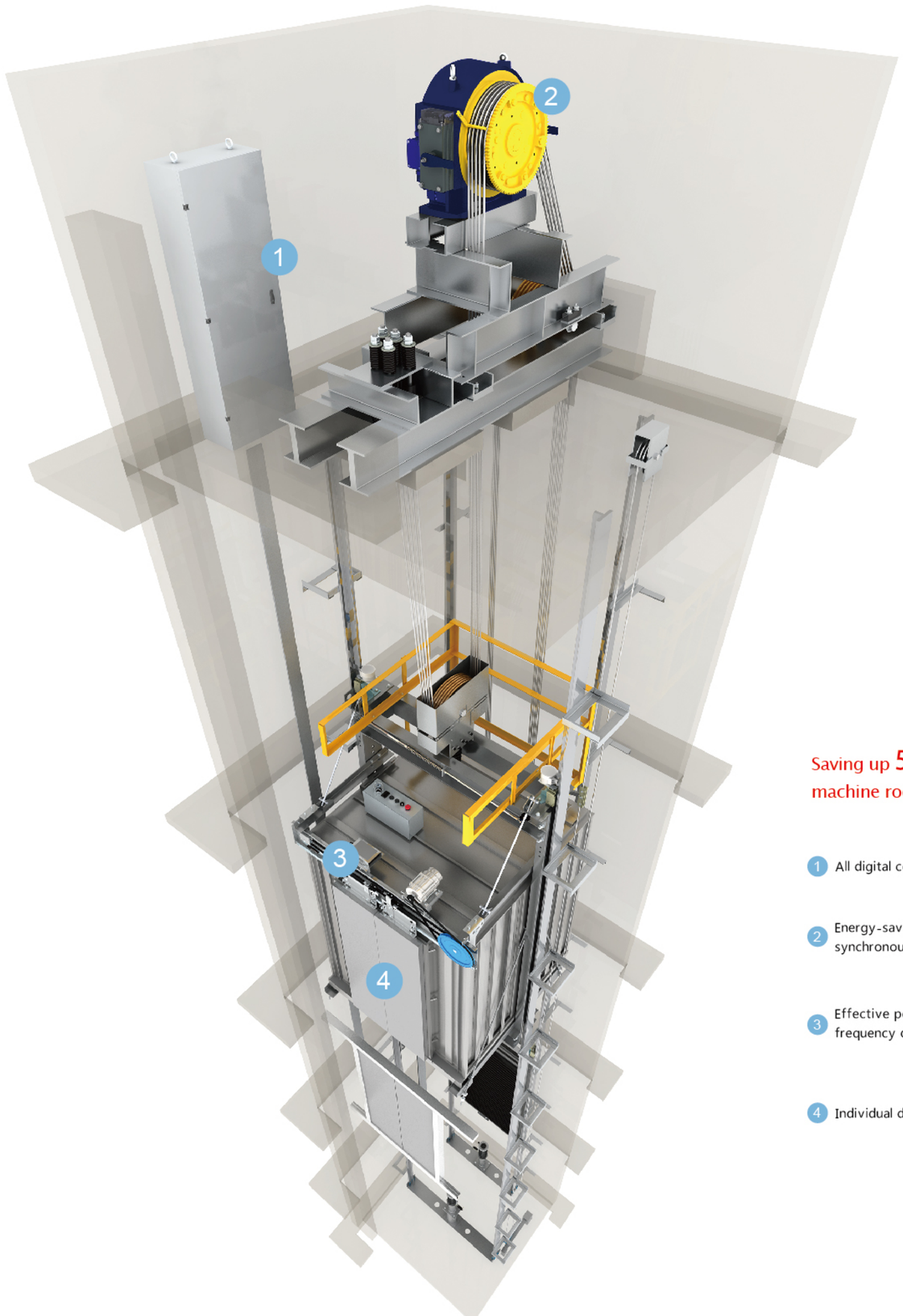
It fulfills small cost.

Small volume traction machine combines with integrated controller,
so that it makes the machine room size same with well size.
It covers the equal area as that of the well.
At the same time of reducing the machine room height,
it beautifies the building outlook.
It fulfills super small standard of machine room
space and building cost.



Machine room in samll
machine room elevator

Machine room of
the ordinary elevator



Saving up 50% area of the machine room

1. All digital control
2. Energy-saving permanent magnet synchronous and gearless traction machine
3. Effective permanent magnet variable frequency door machine
4. Individual decoration

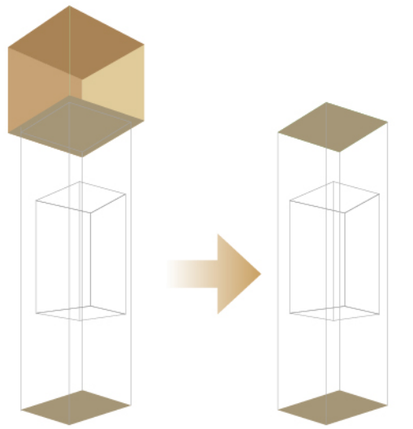
Machine Roomless passenger elevator

Responsible core brings about a bright future

ASIA SIGMA machine roomless passenger elevator, with an environment concern, saves energy and reduces the consumption, save the construction area and increases the freeness of designers, thereby fully reflect the idea of environment friendly culture. Compared with the gearwheel elevators with the same load capacity, machine roomless elevators save 25% electricity and 10% of construction are. ASIA SIGMA machine roomless passenger elevator has broken through the prerequiste that machine rooms must be available for elevator, providing limitless possibilities of Creation for the limited space of modern construction.





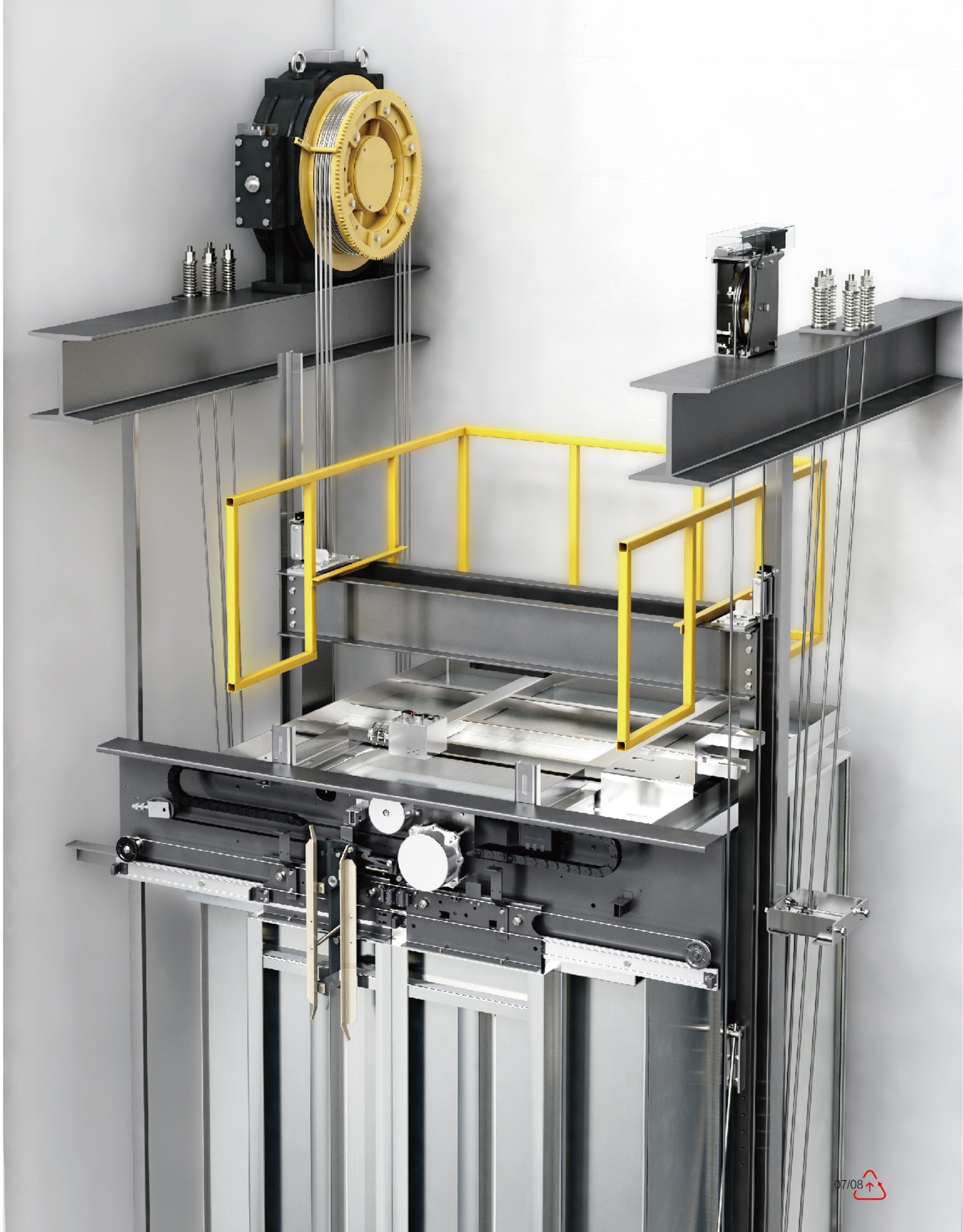


Machine room of the ordinary elevator

No machine room for machine room elevator

Low noise, tiny vibration

Comprising the best components, the reasonable structure design and the high technology of vibration reducing and noise controlling can disperse and counteract the irregular vibration of the car, which make car run quietly.



STANDARD CAR CONFIGURATION



SA–D001 Standard

Ceiling:hairline stainless steel,acrylic board, LED energy saving lamp





SA–DB01 Standard

Floor:marble floor

SA–K001 Standard

Ceiling: Hairline staineless steel, acrylic lighting decoration, down lamp
Car wall: Hairline staineless steel
Handrail: None
Floor: PVC

COP&LOP(Standard)



SA–CZ001
Standard

COP design

Surface: Hairline stainless steel

LOP design

Surface: Hairline stainless steel

The lightness and beauty of fingertip control,Ubiquitous intelligent human-computer interaction,Leading a smart life.

Landing door (Standard)



SA–M001 Standard

First landing door hairline stainless steel, other doors painted steel.

Passenger Elevator Car Decoration



SA-K002 (Optional)

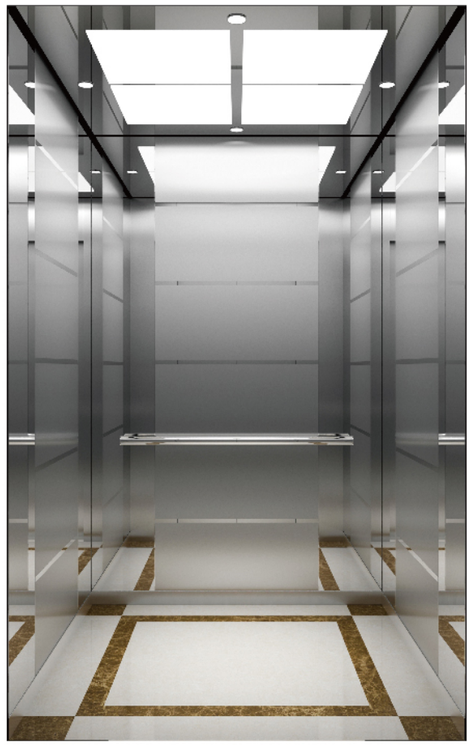
Ceiling：Hairline stainless steel frame-work,Central
wooden decoration sheet,LED
Car wall：Veneer decoration inlaid with stainless
steel bar,mirror stainless steel
Handrail：Stainless steel handrail
Floor：PVC

SA-K003 (Optional)

Ceiling：mirror stainless steel framework,Hairline stainless steel, acrylic lighting decoration,down lamp
Car wall：Veneer decoration inlaid with stainless steel bar,mirror stainless steel
Handrail：Stainless steel round tube, wood handrail
Floor：PVC



Car decoration



SA-K004 Standard

Ceiling: Hairline staineless steel, acrylic lighting decoration, down lamp
Car wall: Hairline staineless steel
Handrail: None
Floor: PVC



SA-K005 Optional

Ceiling: Hairline stainless steel, acrylic lighting decoration,down lamp
Car wall: Mirror, hairline, etched
Handrail: Stainless steel flat handrail
Floor: PVC



SA-K006 Optional

Ceiling: Titanium gold mirror panel, round LED energy-saving lamp
Car wall: Titanium gold stainless steel hairline, laminated glass mirror, horizontal strip, etched stainless steel
Handrail: None
Floor: PVC



SA-K007 Optional

Ceiling : Mirror stainless steel,acrylic lighting decoration,down lamps
Car wall : Mirror,rose gold stainless steel
Handrail: Titanium gold and wooden
Floor : PVC

Car decoration



SA-K008 Optional

Ceiling：Mirror stainless steel frame , center white organic panel
Car wall：Mirror stainless steel , mirror etching stainless steel
Handrail：Stainless steel flat handrail
Floor：PVC



SA-K009 Optional

Ceiling：Painted steel plate frame ,acrylic light emitting ,umbrella type crystal columns
Car wall：Mirror stainless steel , mirror etching stainless steel
Handrail：Stainless steel flat handrail
Floor：PVC



SA-K012 Optional

Ceiling：Hairline stainless steel framework,Central wooden decoration sheet,LED
Car wall：Veneer decoration inlaid with stainless steel bar,mirror stainless steel
Handrail：Stainless steel handrail
Floor：PVC



SA-K013 Optional

Ceiling：mirror stainless steel framework,Hairline stainless steel,acrylic lighting decoration,down lamp
Car wall：Veneer decoration inlaid with stainless steel bar,mirror stainless steel
Handrail：Stainless steel round tube,wood handrail
Floor：PVC



SA-K010 Optional

Ceiling：Hairline stainless steel frame,both sides acrylic lighting
Car wall：Hairline stainless steel,mirror etched stainless steel
Handrail：Stainless steel flat handrail
Floor：PVC



SA-K011 Optional

Ceiling：Mirror stainless steel , soft lighting design of arch white light-emitting panel
Car wall：Mirror stainless steel , mirror etching stainless steel
Handrail：Stainless steel flat handrail
Floor：PVC



SA-K014 Optional

Ceiling: Titanium gold mirror panel, round LED energy-saving lamp
Car wall: Titanium gold stainless steel hairline, laminated glass mirror, horizontal strip, etched stainless steel
Handrail: None
Floor: PVC



SA-K015 Optional

Ceiling : Mirror stainless steel,acrylic lighting decoration,down lamps
Car wall : Mirror,rose gold stainless steel
Handrail: Titanium gold and wooden
Floor : PVC

Car decoration



SA-K016 Optional

Ceiling: Titanium gold mirror panel, round LED energy-saving lamp
Car wall: Titanium gold stainless steel hairline, laminated glass mirror, horizontal strip, etched stainless steel
Handrail: None
Floor: PVC



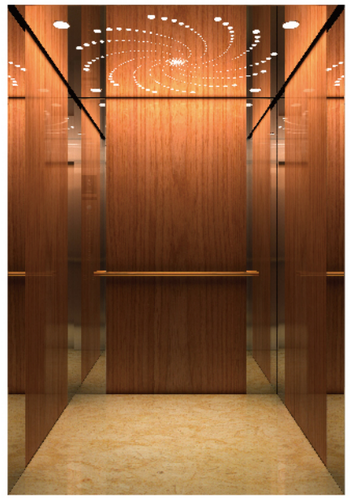
SA-K017 Optional

Ceiling : Mirror stainless steel,acrylic lighting decoration,down lamps
Car wall : Mirror,rose gold stainless steel
Handrail: Titanium gold and wooden
Floor : PVC



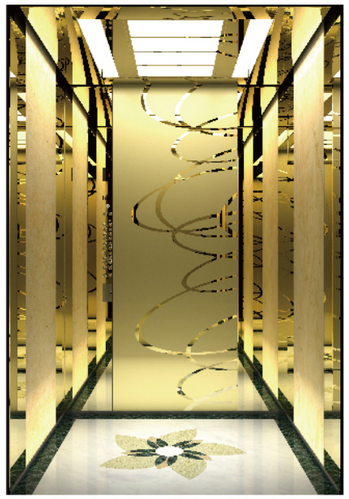
SA-K018 Optional

Ceiling：Black titanium stainless steel mirror,acrylic light-emitting panel
Car wall：Black titanium stainless steel mirror,hairline etching,stainless steel
Handrail：Stainless steel tube handrail
Floor：PVC



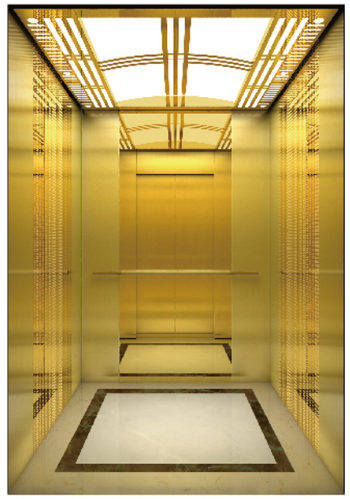
SA-K019 Optional

Ceiling：Black titanium stainless steel mirror,acrylic light-emitting panel
Car wall：Black titanium stainless steel mirror,hairline etching,stainless steel
Handrail：Stainless steel tube handrail
Floor：PVC



SA-K020 Optional

Ceiling: Titanium gold mirror panel, round LED energy-saving lamp
Car wall: Titanium gold stainless steel hairline, laminated glass mirror, horizontal strip, etched stainless steel
Handrail: None
Floor: PVC



SA-K021 Optional

Ceiling : Mirror stainless steel,acrylic lighting decoration,down lamps
Car wall : Mirror,rose gold stainless steel
Handrail: Titanium gold and wooden
Floor : PVC



SA-K022 Optional

Ceiling：Black titanium stainless steel mirror,acrylic light-emitting panel
Car wall：Black titanium stainless steel mirror,hairline etching,stainless steel
Handrail：Stainless steel tube handrail
Floor：PVC



SA-K023 Optional

Ceiling：Black titanium stainless steel mirror,acrylic light-emitting panel
Car wall：Black titanium stainless steel mirror,hairline etching,stainless steel
Handrail：Stainless steel tube handrail
Floor：PVC



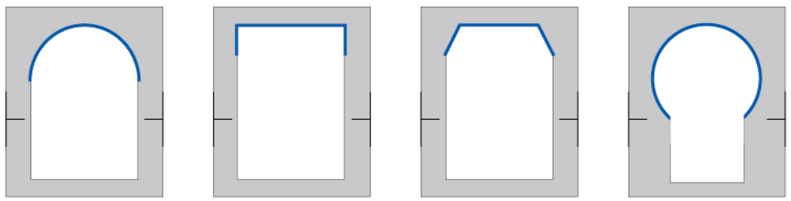
Observation Elevator

Up / down magical motion,noble and graceful enjoyment

ASIA SIGMA F observation elevator adheres to the novel and popular design concept. We flexibly design and exquisitely invent diverse styles of observation elevator styles according to the requirements of different buildings and clients. It produces multiple angles of sight views. The passengers can remarkably enjoy the smooth and comfortable up / down motion. It is widely applicable for various public and private buildings such as shopping center, hotel, office building, travel spot, high grade residence etc.

Different model designs

Various types of cars are available for your choice and can meet different needs.



Semi-circular shaped | Square | Cutting-angle-type | Future prospects

The blue lines in the picture are transparent glass.

Observation Elevator
Car Decoration



SA-G001 Standard

Upper / lower cover: Painted steel plate , vertical design
Sightseeing wall: 3PCS of safety laminated glass
Decoration top: Image board , two-side down lamp
Car wall: Hairline stainless steel
Handrail: Stainless steel double-tube
Floor: PVC



SA-G002 Optional

Upper / lower cover: Stair-step round steel plate baked enamel , decoration lamp
Sightseeing wall: Safety laminated glass
Decoration top: Steel plate baked enamel, acrylic lighting decoration
Car wall: Stainless steel titanium gold hairline panel
Handrail: Stainless steelmono-tube



SA-G003 Optional

Upper and lower covers: Hairline stainless steel
Sightseeing wall: safety laminated glass
Decorative top: mirror stainless steel, acrylic lighting
Car wall: mirror stainless steel
Handrail: Φ38 stainless steel tube
Floor: PVC



SA-G004 Optional

Upper / lower cover: Steel plate baked enamel , acrylic lighting decoration
Sightseeing wall: Safety laminated glass
Decoration top: Multi-ply reflection of lig.ht panel is supplemented with four-side waist light-emitting holes , lighting design of organic light pole , soft 3D light
Car wall: Laminated glass
Handrail:Φ38 stainless steel tube
Floor: PVC

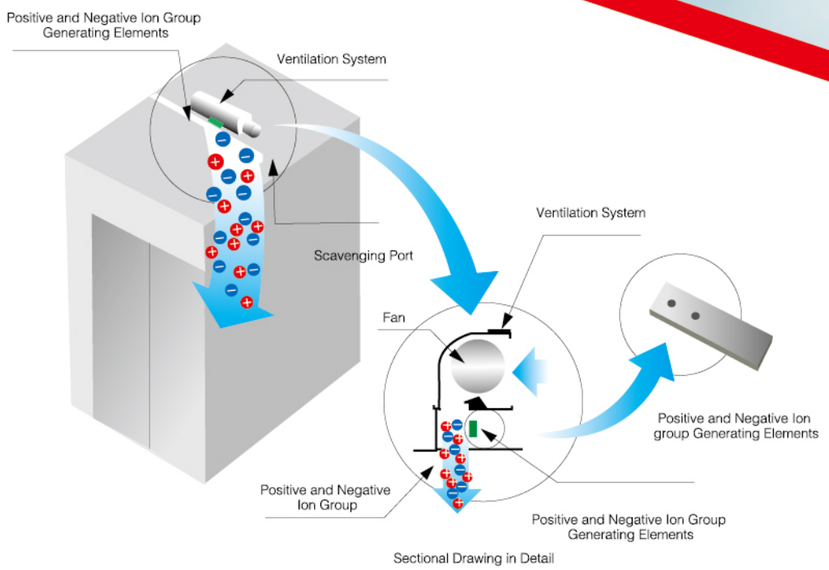
Hospital elevator

Humanistic care, considerate to every detail

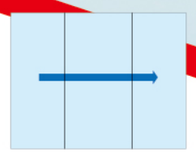
ASIA SIGMA hospital elevator fully embodies "people oriented" design idea. According to the special needs in hospital,a series of humanized functions are especially designed. Based on advanced techniques more attention paid on details, from inside decoration to special functions everything shows ASIA SIGMA’s concern for medical staff and patients.



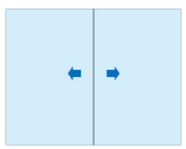
SA-CZ07 (Optional)



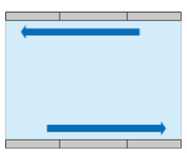
ASIA SIGMA largely increases sterilization effect and creates a more clean and comfortable space.



Side opening type



Center opening type



Opposite door

SA-B03 (Optional)

Ceiling:Hairline stainless steel,
LED energy saving light
Ventilation:Axial fan
Car wall:Hairline stainless steel
Handrail:Double flat stainless steel
Floor:PVC floorboard

Home Elevator
Car Decoration



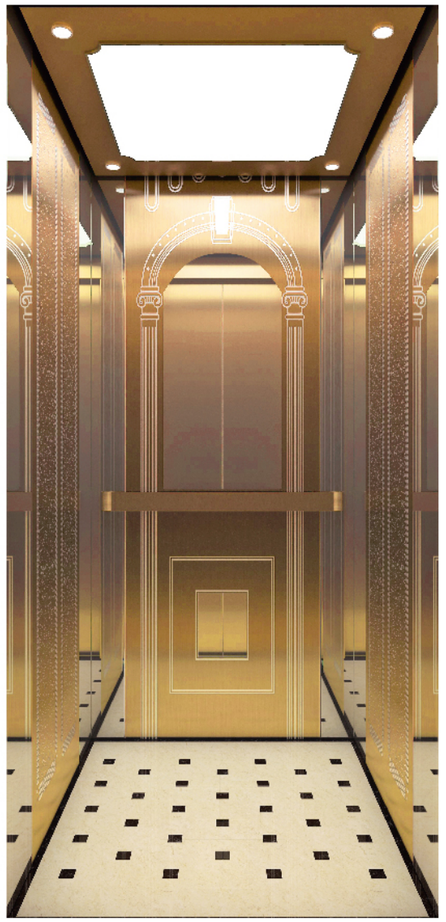
SA-V002 Optional

Ceiling : Hairline stainless steel , acrylic light decoration , down light
Car wall : Hairline stainless steel , mirror stainless steel
Handrail : Stainless steel tube
Floor : PVC



SA-V003 Optional

Ceiling : Mirror stainless steel , arched light decoration , LED lamp
Car wall : Titanium stainless steel , titanium mirror etching stainless steel
Handrail : None
Floor : PVC



SA-V004 Optional

Ceiling : Rose gold stainless steel acrylic spot-light
Car wall : Rose gold etched stainless steel , white stainless steel mirror , glass mirror
Handrail : Rose gold stainless steel
Floor : Marble parquet



SA-V005 Optional

Ceiling : Hairline stainless steel , down light
Car wall : Mirror stainless steel , hairline stainless steel
Handrail : Stainless steel flat tube
Floor : PVC

Car Operation Panel



Optional display

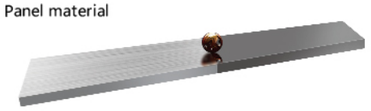


SA-XS001



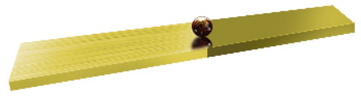
SA-XS002

Panel material



Hairline stainless steel

Mirror stainless steel



Titanium gold stainless steel

Titanium gold mirror stainless steel



SA-CZ002 Optional

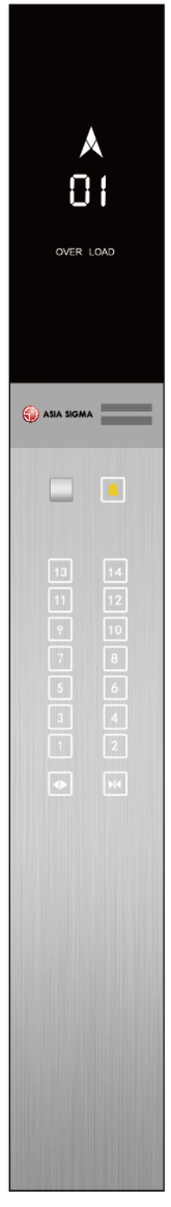
Hairline stainless steel

Light colors of buttons

Red	Orange	Green
Standard	Standard	Optional

Blue	White
Optional	Optional

Because of restrictions in aspect of printing craft and technology, there will be slight difference between colors in this catalogue, the final model selection can be decided according to the actual material and color specimen.





SA-CZ003
Optional



SA-CZ004
Optional





SA-CZ005
Optional

Man-machine Interface



SA-C001 Standard



SA-C002 Optional



SA-C003
Optional



SA-C004
Optional

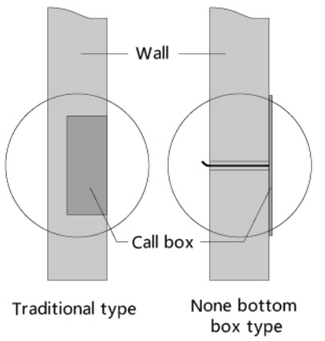
None bottom type call box



SA-CW003
Optional



SA-CW004
Optional



Traditional type: It needs pre-set hole in the construction. It costs time and labor. None bottom box type: It only requires pre-embedded lines and wires. It needs no pre-set hole. It is prompt and convenient in repair and installation.

Display interface / single-color liquid crystal



SA-X001



SA-X002



SA-X003



SA-X004

Button/standard



SA-AN001

Button/optional



SA-AN002



SA-AN003



SA-AN004



SA-AN005

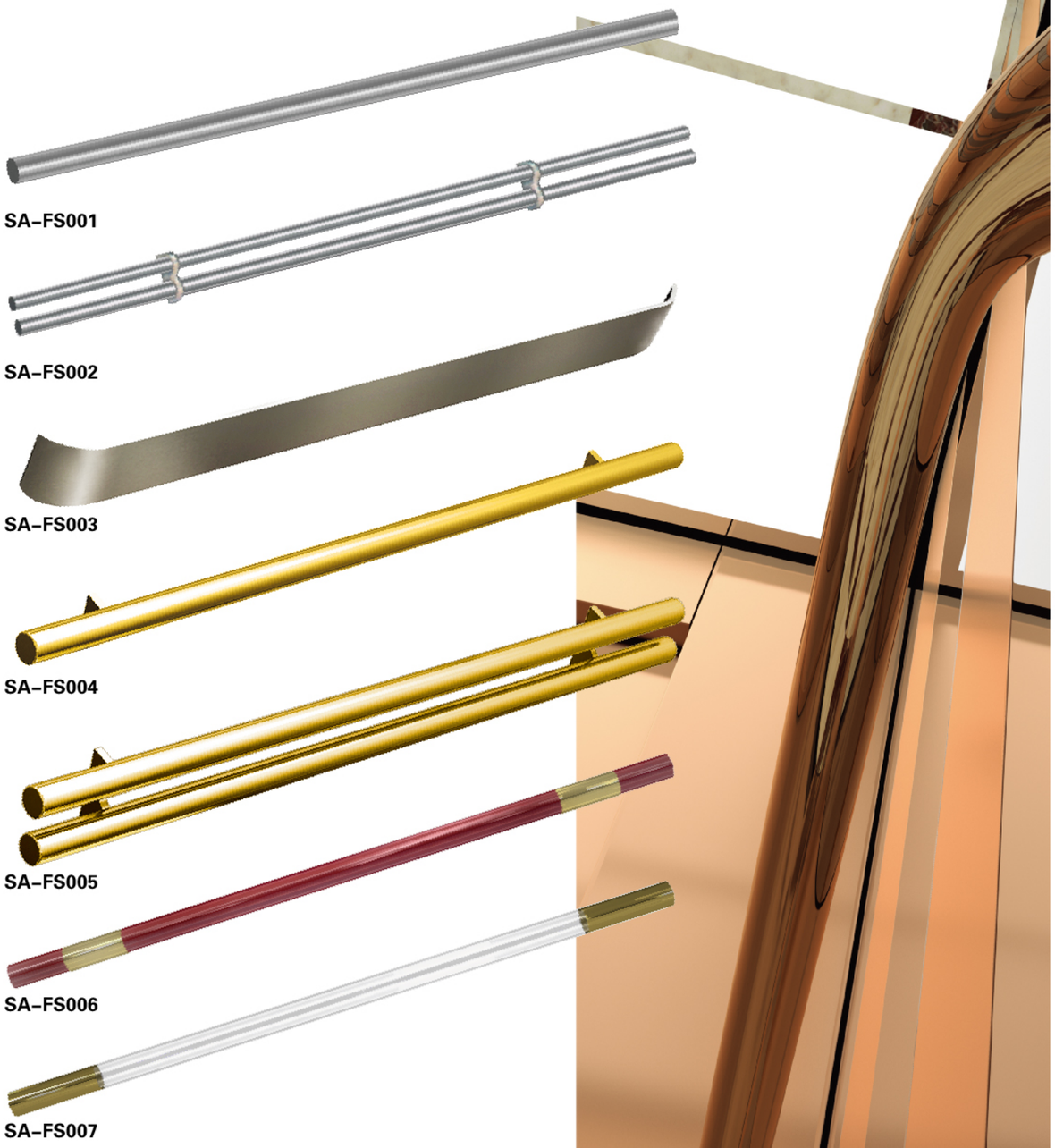


SA-AN006



SA-AN007

Handrail Series



SA–FS001

SA–FS002

SA–FS003

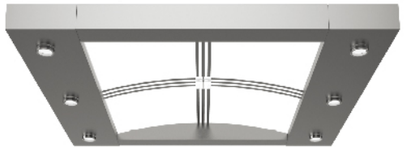
SA–FS004

SA–FS005

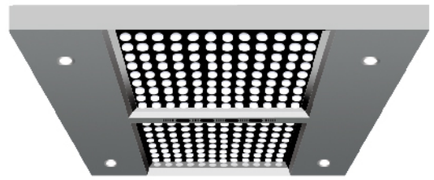
SA–FS006

SA–FS007

Ceiling Series

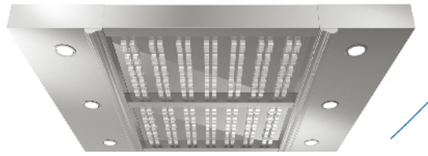












1 **SA–D002** (Optional)
Stainless steel frame, acrylic arch, LED lamps on both sides

2 **SA–D003** (Optional)
Stainless steel hairline frame, acrylic light-emitting panel

3 **SA–D004** (Optional)
Stainless steel hairline frame, acrylic lighting decoration, down lamp

4 **SA–D005** (Optional)
Hairline stainless steel, acrylic lighting decoration, LED lamps on both sides

5 **SA–D006** (Optional)
Mirror stainless steel frame, LED crystal lamp

6 **SA–D007** (Optional)
Multi-ply reflection board with soft lighting design of LED lights on both sides

Door Series



SA-M001 Standard

Landing door: Hairline stainless steel
Jamb: Hairline stainless steel



SA-M002 Optional

Landing door: Paint stainless steel
Jamb: Paint stainless steel



SA-M003
Optional



SA-M004
Optional



SA-M005
Optional



SA-M006
Optional

Floor Series



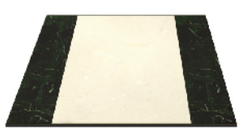
SA-DB02
Optional



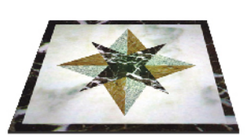
SA-DB03
Optional



SA-DB04
Optional



SA-DB05
Optional



SA-DB06
Optional



SA-DB07
Optional



SA-DB08
Optional



SA-DB09
Optional

Color Series



SA-S001
Lake blue

SA-S002
Light blue



SA-S003
Green



SA-S004
Light Gray

SA-S005
Oyster yellow



SA-S006
Soft yellow

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

Passenger Elevator Function

Standard Function

Running Function	VVVF drive	Motor rotation speed can be precisely adjusted to get smooth and stable speed curve in lift start, run and stop and gain perfect performance and comfort.
	VVVF door operator	Motor rotation speed can be precisely adjusted to get a more gentle and sensitive door opening/closing.
	VIP (special) running	After VIP switch is turned on, elevator will not serve to landing call, it only serve to car call.
	Automatic by pass	When the car is full load, the elevator will by pass the landing calls which has been registered to keep maximum running efficiency.
	Automatic adjustment of door open holding time	According to current registered landing call and call situation, system will automatically adjust the door open holding time.
	Door re-open at current floor	When door is closing, door can re-opened by pushing landing call button at current floor.
	Instant door close	When door is completely opened, by pushing the door close button, door will close at once.
	Arrival gong	Arrival gong on the car top advices passengers that elevator arrives.
	Car call cancel	If passengers press the wrong floor button in car, same button press it again can cancel the wrong register.
	Parking	When electric key switch is turn off, elevator enters into parking state, it will not serve to any landing call.
	Direct parking	It completely accords with distance principle with no crawling in the leveling. It greatly enhances the travel efficiency.

Safety Function	Light curtain protection	When light curtain is sheltered, door will stop closing at once and automatically open.
	Overload stop	When elevator is overload, elevator door keeps opening, buzz rings and elevator stops at the current floor.
	Inner counting protection	When elevator can't run due to the slipping of steel rope, elevator stopes running at once.
	Inspection operation	When elevator enters into inspection state, car runs in jog state.
	Troubleshooting	Controller can record the latest 20 faults in memory to facilitate the fault elimination and restore elevator running.
	Auto-landing with fault	When there is any fault occurred in elevator running, when safety circuit is valid, elevator lands to the nearest floor.
	Door close repeat	On normal mode, after running door close command, if door inter-lock circuit isn't connected, elevator opens door and closes it again.
	Top/bottom limit and final limit protection	The devices can prevent elevator from crashing to the top or bottom of hoistway in case that elevator is out of control with fault. It ensures the safety and reliability.
	Down running protection	When elevator runs down in over speed, this device cuts off the control power to stop the motor running, safety gear is motivated to force elevator to stop and ensure the safety.
	Up running protection	When elevator runs up in over speed, the device forces elevator to decelerate and braking.
	Safety circuit protection	When elevator circuit is open or contacts are adhered, elevator stops running at once.
	Door interlock protection	Only all doors are completely closed, elevator can run. When door interlock contacts are adhered, elevator stops running at once.
	Main contactor protection	System detects if the main contactor acts reliably, if any abnormal is deteted, elevator stops running at once.
	Brake detecting protection	System detects the brake state, if there is any abnormal or braking contacts are adhered, elevator can't start running.
	Button inset diagnose	If any floor button is pressed for a long period, system won't register this floor call, and the corresponding button light will twinkle to alarm.

Human-machine Interface	Micro push button	C.O.P. and H.O.P. both adopts new micro push button.
	Running state display	System can indicates running direction, floor, door state, default ect.
	Floor selection in machine room	By operation on LCD indicator in the control cabinet, car call can be registered.
	No stop floor set	Set the no stop floor according to the customer' requirement.
	Homing floor set	Set the homing floor according to the customer' requirement.
	Floor indication set	Set the indication (word or digit) for every floor.

Human-machine Interface	Hoistway self-learning	Through hoistway self-learning, system can measure out the distance between every floor and record them permanently.
	Interference evaluation	System can evaluate the earthing situation of control cabinet and hoistway cable.
	Encoder evaluation	System can evaluate the encoder output pulse and interference situation.
	Input port evaluation	System can evaluate the input signal and conduct the electrician do the wiring and earthing properly.

Emergency Function	Emergency lighting	When power is off, car emergency light is on automatically.
	Emergency electric operation	When elevator enters into emergency electric operation state, elevator runs in low speed inching running.
	5-way intercom	Communication between car inner, car top, machine room, pit and security room through intercoms is realized.
	Alarm bell	In emergency situation, pressing the alarm bell button on C.O.P. continuously, alarm bell on car top will ring.

Energy Saving	Fan& light automatic off	If there is no car call or landing call in a preset time, car inner fan and light will be automatically off.
	Start/stop timing	System starts / stops elevator running according to the preset timing.

Optional Function

Running Function	Anti-nuisance	When elevator is of light load, the number of car call is Max. 3, more calls will be invalid.
	Door close delay	Pushing the door open button in car can prolong the door open state for a period.
	Fire emergency return	In fire emergency state, all landing calls are eliminated, elevator runs to the preset floor and open door.
	Door open in advance	When elevator enters into leveling zone, it open door at once, this function improves elevator running efficiency.
	Re-leveling function	When elevator lands to the current floor, due to elongation or shortening of steel rope induced by too many passengers entering into car or exiting from car, elevator will depart from leveling position, then elevator will start low speed running to achieve the leveling position again.
	Duplex control function	This function is for two elevators' duplex control, it can reduce waiting time and improve the running efficiency.
	Group control function	This function is for 3~8 elevators' group control, it improves the running efficiency.
	Double door control	By setting, system can control double door's action on corresponding floor.

Human-machine Interface	Voice announcement	When elevator lands to the floor normally, voice announcement will advice passengers of the arrival.
	Back ground music	When elevator runs normally, system will give out back ground music.
	Sub-C.O.P.	It is for building with crowded passengers, it facilitates passengers to register call.
	C.O.P. for handicapped passengers	It facilitates use of handicapped passengers who take wheelchair or are visually impaired.
	IC card control	All (part) of the floors need entry approval, only with IC card can run the elevator.

Emergency Function	Automatic Rescue Device (ADR)	When power is off, this device supplies power to elevator, elevator runs to the nearest floor, open its door and evacuates the passengers.

Monitor Function	Remote control	By wire or wireless communication module, system performs real-time monitoring of elevator running state.
	Traction machine monitor	The monitor for machine room less elevator installed on the traction machine top can monitor the traction machine state



Freight Elevator Series

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



The firm and durable car

High strength plate bending and forming technology ensures the firm and durable car. In addition, the company specially designs Crash Barrier to implement multi-protection to the car.



Highly accurate leveling

Leveling accuracy can be controlled within millimeter-sized range.

Large door width

Employing multi-penal cabin doors to reach the maximum width of doors, making it easy for handing large freights.



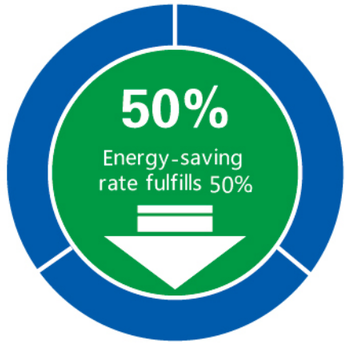
Strength Technical

Outstanding quality safe reliable

In the logistics field, ASIA SIGMA freight elevator series are getting well-developed for various requirements out of different occasions such as the factory, warehouse, shopping center, super-market, airport, bus station etc.ASIA SIGMA produces more than dozens of the lift products. Load ranges from 500kg-5000kg. Over the years, it has laid a solid foundation to the manufacture advantages, the precise and constant technology with sound energy-saving and noise-reduction. TRUMPF freight elevator completes the effective and highly humane services to vast customers.

Cost performance advantages

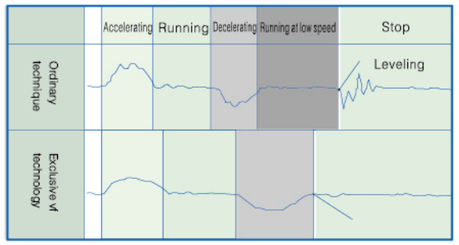
The most optimized energy-saving control technology with the most advantageous cost performance surely leads the future development of the elevator industry with integration trend of the elevators. ASIA SIGMA Freight Elevator series considerately develops the best structural design and energy-saving technology configuration for you. System is widely applicable for vast logistics areas such as the port, industrial zone, shopping center, supermarket etc. ASIA SIGMA is your first-choice brand which accords with all your needs.



Excellent torque properties

Maximum feature of ASIA SIGMA freight elevator VVVF speed regulation lies in its constant torque features. No matter how light or heavy the load is, it never affects the running speed, comfortable travel and the leveling accuracy.

A comparison of accelerating anddecelerating curves



Light curtain protection

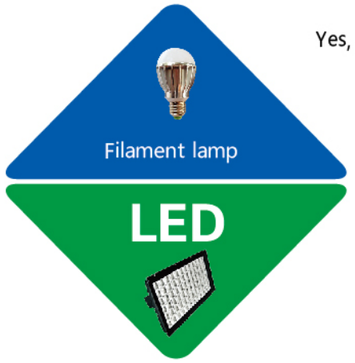
When "green products" dominate the markets, as a distinguished figure in environment protection field, ASIA SIGMA is determined to show majestic demeanor in more and more fields. Its energy-saving idea and tech lead the markets. It satisfies the clients' safer, more green; humane and intellectual requirements with more high &new tech in the elevator industry in an omni-bearing way.



LED automatic lighting

It automatically starts the car lighting and fan at calling.
If there is no calling within certain period of time, it automatically shuts off the car lighting and fan.





Garbage	Life	Power consumption
Yes, environment-pollution	About 2000 hours	About 80W
No	About 4000 hours	About 40W

- The lamp is not calorific. It converts over 90%of electric energy to optical energy.
- Long service life, little power consumption.
- It reduces 20%-35%of power consumption to the elevator.
- The chip packaging and processing do not add heavy metal. It does not contain any harmful substance.
- It can be restored and reused after being discarded.

Automobile elevator



It deducts a wonderful and extraordinary travel experience

ASIA SIGMA automobile elevator introduces the well-developed car elevation technology in the world. It develops and produces car elevator through absorption, transformation and enhancement. The advanced technology eliminates shaking elevator car, noise which are caused by burdened traction system load due to uneven encountered force to the elevator car. It optimizes the characteristics of the product series.

Safe and convenient

ASIA SIGMA automobile elevator is equipped with car entry/exit dispatch signal management system. It offers maximum convenience for your use. Therefore you feel more secure and comfortable in use.



Two car operation panels can be set in the car cabin



Special-purpose circuit control and display system



Safety guide device



The elevator cabin can have two entrances

Dumbwaiter elevator

Dumbwaiter series provides small freight elevators in various buildings with prompt, convenient, economical vertical transport. It greatly saves time and labor resources. It shows a beautiful environment.
The products are widely applicable for drink and food, dining ware, daily commodities,money, document, medicine, goods, books, instrument, correspondence etc. in the hotel,restaurant, residence, bank, office building, hospital, shopping center, factory, library,laboratory, postal department and so on.



Slideway with the novel design

Double section bars special slideway with unique design：The mid part runs through door slider connection. It reinforces the smooth elevator door opening/closing, reduces door clearance. It is convenient for installation and adjustment.



Window type (Up and down diractly separated)



1 The occupancy space is small, no matter whether the old and new buildings can achieve the perfect and economic design.

2 The advanced PC control template is used to make the elevator run smoothly and accurately.

3 The humanized design makes it more flexible.

4 Because of its small load, it can be divided into two types: window sill type and cart type.

5 It is safe, practical, elegant, tranquil, flexible and easy to maintain. It has many varieties and specifications of standard series, and can also be specially designed according to users' needs.



Freight Elevator Car



Center opening

SA-H001 / Standard	
Item	Style
Ceiling	Paint steel
Car wall/Car Door	Paint steel
Illumination	Energy-saving light
Door opening mode	Side opening
Floor	Checkered plate



Ordinary checkerd steel plate Ⅰ
(Standard)



Double-folded center opening type

SA-H002 / Optional	
Item	Style
Ceiling	Hairline stainless steel
Car wall/Car Door	Hairline stainless steel
Illumination	Energy-saving light
Door opening mode	Center-opening &double folded tybe
Floor	Checkered plate



Ordinary checkerd steel plateⅡ
(Optional)

Decoration



SA-HC001



SA-HC001X



SA-HC002



SA-HC002X

SA-HC001 / Standard

Panel material: Hairline stainless steel
Button: Square button
Display screen: Dot matrix display screen

SA-HC002 / Optional

Panel material: Hairline stainless steel
Button: Square button
Display screen: Short-in-size display screen

Ceiling series



SA-HD001
Standard



SA-HD002
Optional



SA-HD003
Optional



SA-HD004
Optional

Landing door series



Center opening



Side opening



Double-folded center opening type



3-Folded center opening type

Crash barrier of elevator car



Wooden



Black rubber

Color Series

SA-S001
Lake blue

SA-S002
Light blue

SA-S003
Green

SA-S004
Light Gray

SA-S005
Oyster yellow

SA-S006
Soft yellow

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

Function Table of Freight Elevator

Standard Function

Running Function	Automatic running	When there is no attendant who operate elevator, elevator will run to the destination floor according to the instruction of passengers automatically.
	Attendant running	Elevator is operated by attendant, attendant press car calls as request of passengers and elevator will run to the destination floor according to the car calls.
	Automatic adjustment of door open holding time	According to current registered landing call and call call situation, system will automaticlly adjust the door open holding time.
	Door re-open at current floor	When door is closing, door can re-opened by pushing landing call button at current floor.
	Car call cancel	If passengers press the wrong floor button in car, same button press it again can cancel the wrong register.
	Parking	When electric key switch is turn off, elevator enters into parking state, it will not serve to any landing call.

Safety function	Light curtain protection	When light curtain is sheltered, door will stop closing at once and automatically open.
	Overload stop	When elevator is overload, elevator door keeps opening, buzz rings and elevator stops at the current floor.
	Inspection operation	When elevator enters into inspection state, car runs in jog state.
	Troubleshooting	Controller can record faults in memory to facilitate the fault elimination and restore elevator running.
	Auto-landing with fault	When there is any fault occurred in elevator running, when safety circuit is valid, elevator lands to the nearest floor.
	Door close repeat	On normal mode, after running door close command, if door inter-lock circuit isn't connected, elevator opens door and closes it again.
	Top/bottom limit and final limit protection	The devices can prevent elevator from crashing to the top or bottom of hoistway in case that elevator is out of control with fault. It ensures the safety and reliability.
	Down running protection	When elevator runs down in over speed, this device cuts off the control power to stop the motor running, speed limiter is motivated to force elevator to stop and ensure the safety.
	Up running protection	When elevator runs up in over speed, the device forces elevator to decelerate and braking.
	Safety circuit protection	When elevator circuit is open or contacts are adhered, elevator stops running at once.
	Door interlock protection	Only all doors are completely closed, elevator can run. When door interlock contacts are adhered, elevator stops running at once.
	Main contactor protection	System detects if the main contactor acts reliably, if any abnormal is deteted, elevator stops running at once.
	Brake detecting protection	System detects the brake state, if there is any abnormal or braking contacts are adhered, elevator can't start running.

Human-machine Interface	Micro push button	C.O.P. and H.O.P. both adopts new micro push button.
	Running state display	System can indicates running direction, floor, door state, default ect.
	No stop floor set	Set the no stop floor according to the customer' requirement.
	Homing floor set	Set the homing floor according to the customer' requirement.
	Hoistway self-learning	Through hoistway self-learning, system can measure out the distance between every floor and record them permanently.

Emergency Function	Emergency ligthing	When power is off, car emergency light is on automatically.
	Emergency electric operation	When elevator enters into emergency electric operation state, elevator runs in low speed inching running.
	5-way intercom	Communication between car inner, car top, machine room, pit and security room through interoms is realized.
	Alarm bell	In emergency situation, pressing the alarm bell button on C.O.P. continously , alarm bell on car top will ring.

Energy Saving	Fan& light automatic off	If there is no car call or landing call in a preset time, car inner fan and light will be automatically off.

Optional Function

Running Function	Door close delay	Pushing the door open button in car can prolong the door open state for a period.
	Fire emergency return	In fire emergency state, all landing calls are eliminated, elevator runs to the preset floor and open door.
	Double door control	By setting, system can control double door's action on corresponding floor.
	Arrival gong	Arrival gong on the car top advices passengers that elevator arrives.

Human-machine Interface	Sub-C.O.P.	It is for building with crowded passengers, it facilitates passengers to register call.
	IC card control	All (part) of the floors need entry approval, only with IC card can run the elevator.

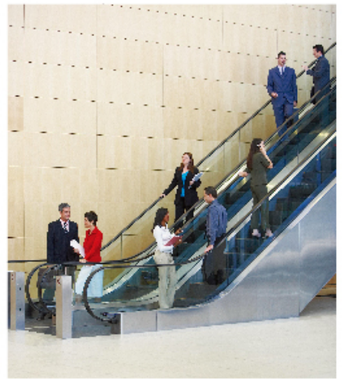
Emergency Function	Automatic Rescue Device (ADR)	When power is off, this device supplies power to elevator, elevator runs to the nearest floor, open its door and evacuates the passengers.

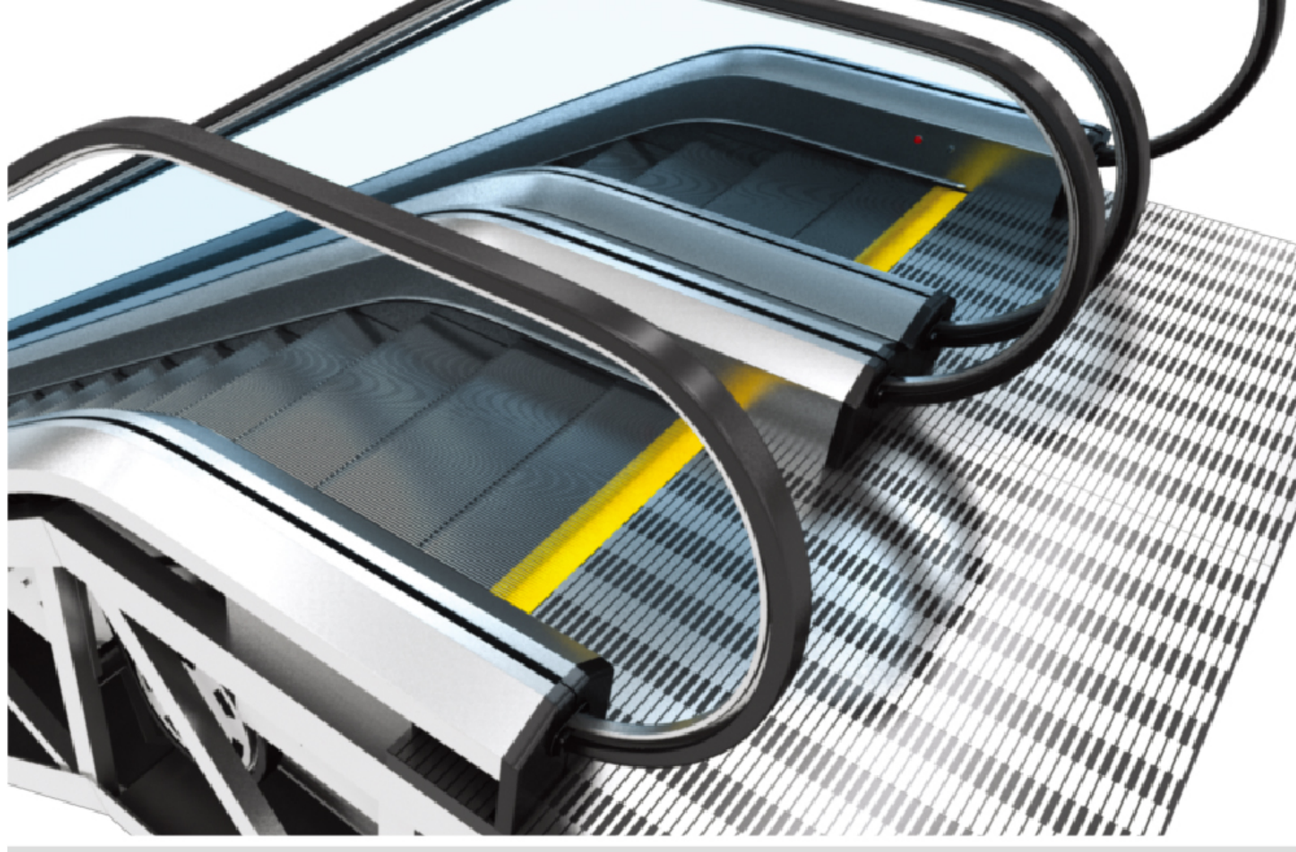
Monitor function	Traction machine monitor	The monitor for machine room less elevator installed on the traction machine top can monitor the traction machine state.

Trumpf
Escalator Series

Rise abruptiy to produce the perfect traffic flow







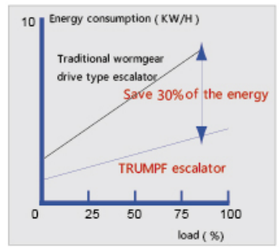
Advanced scientific research technology founds the excellent quality

ASIA SIGMA escalator applies the advanced technology, design concept for manufacture in the world. It features as smooth running, low noise, durable, convenient repair etc. It grants you to appreciate the outstanding charm and deluxe manner of modern buildings by fine and exquisite structure, consummate elevator path, delicate belt, deluxe and attractive outline. It provides the passengers with a bright, comfortable, brand-new feeling.

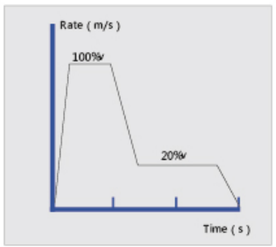
Efficient transmission, Variable frequency energy saving

Compared with the traditional worm gear decelerator, the highly accurate and effective helical gear decelerator brings about the higher efficiency. It fully ensures the effective use of energy.

It has variable frequency specifications, multiple modes to test the passenger flow. It automatically stops when nobody is in the elevator. It thus avoids invalid operation and saves the electric power.



Comparison conceptual diagram between helical gear speed reducer and worm gear speed reducer



Variable specification running conceptual diagram

Moving-Walk
Touch Your Heart-Strings

Another Attractive Scene At Turning Point

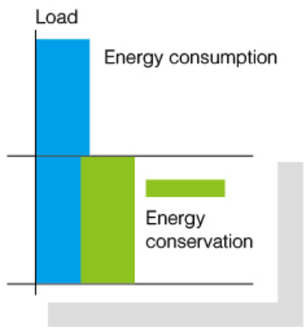
Popular outline brings about better travel experience

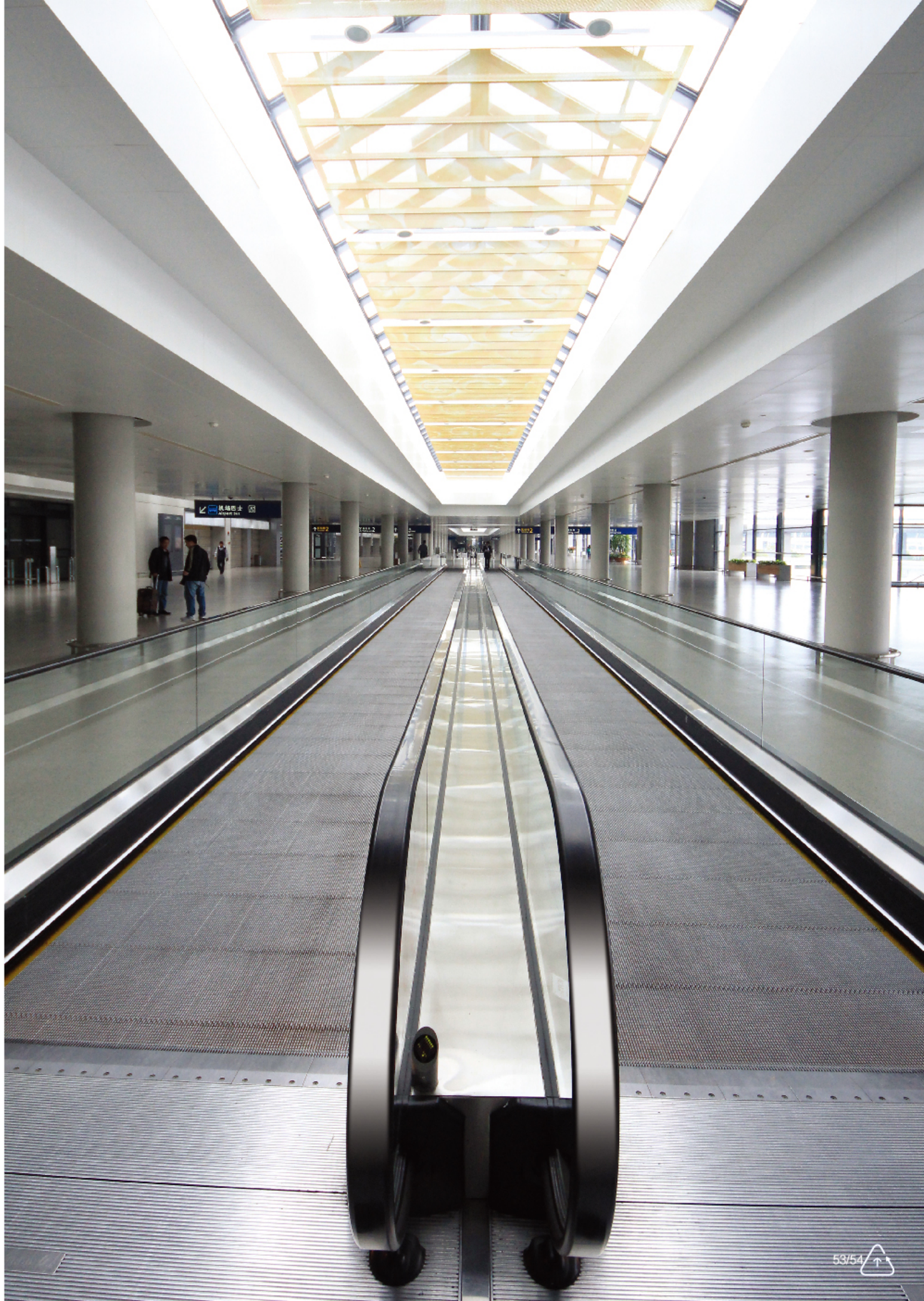
ASIA SIGMA satisfies the transport requirement of large passenger flow in public traffic and transport areas such as the colorful modern city, large-size supermarket, public building, airport, exhibition center, transport hub etc. because of its own characteristics. It meets long-distance walk. People feel as easily as walking on firm earth while carrying luggage cart, baby's cart, the vehicle for the disabled in moving walk. It is greatly convenient for the people's outing and shopping. It becomes first-choice solution plan in large-size supermarket, airport, exhibition center, transport change-over station and so on.



Energy saving operation mode

It can adopt variable frequency control or the automatic starting mode to fulfill the energy-saving.





Escalator Function

Standard Function

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

Optional

Oil / water separator (Apply to outdoor type)

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

Comb illumination

The illumination has been installed in the skirt panel near the comb plate. It offers the lighting for the step and the comb plate. It is more convenient for the passengers to up and down.

Running direction indicatior

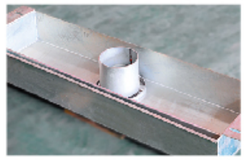
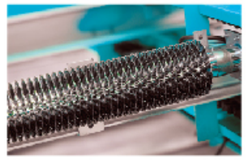
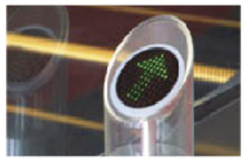
The running direction and forbiddevn display mark have been placed in the inlet and outlet of the handrail. The obvious running or forbidden instruction ensures the safe riding of the passengers with great ease.

Intermittent operation (automatic start / stop)

The sensor inside the handrail which is near the floor plate can detect the passenger that enters into the escalator, and then it will automatically start into the operation. After all the passengers leave, it will automatically stop the operation again in order to save the energy.

Handrail illumination

The handrail illumination has been installed in the handrail support. The gentle light adds charm to the running escalator.


Handrail color



Black Red Blue Green



Yellow

Guardrail glass color

Colorless and transparent (standard)

Deep gray



Bronze

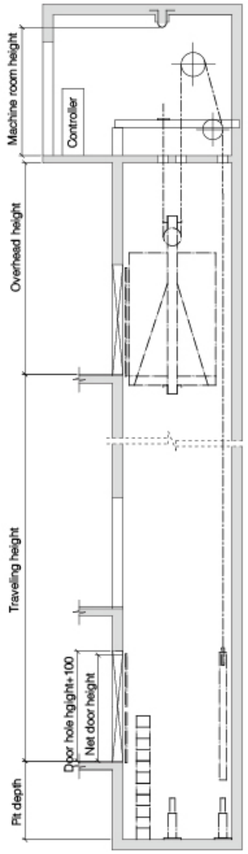
Yellow



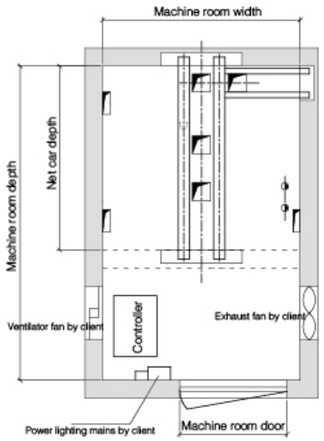
Construction Sketch

Small Machine Room Passenger Elevator

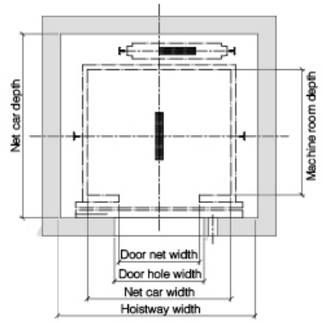
Hoistway elevation



Machine room plan



Hoistway plan



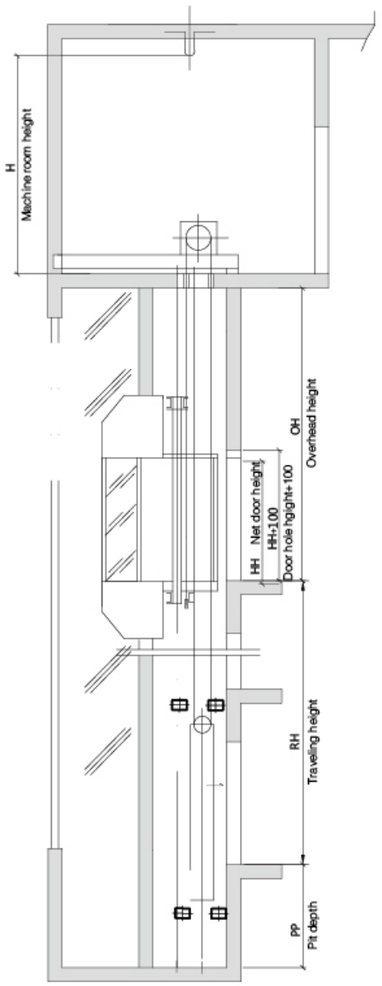
Load (kg)	NO.of persons	Speed (m/s)	Entrance (Width x Height) (JJ x HH)mm	Door open type	Car net size Inner size (AA x BB)mm	Shaft inside dimension (Width x Depth) (AH x BH)mm	Shaft inside dimension Pit PP	Shaft inside dimension Overhead height OH	Machine room size (Width x Height) (W x H)mm
450	6	1.0 1.5 1.75	800 x 2100	Center opening	1400 x 850	2000 x 1550	1500 1600	4500	2000 x 1550
630	8	1.0 1.5 1.75	800 x 2100	Center opening	1400 x 1100	2000 x 1750	1500 1600	4500	2000 x 1750
800	10	1.0 1.5 1.75	800 x 2100	Center opening	1400 x 1350	2000 x 2000	1500 1600	4500	2000 x 2000
1000	13	1.0 1.5 1.75	900 x 2100	Center opening	1600 x 1500	2200 x 2150	1500 1600	4500	2200 x 2150
1250	16	1.0 1.5 1.75	1100 x 2100	Center opening	2000 x 1400	2600 x 2150	1500 1600	4500 4700	2600 x 2150
1350	18	1.0 1.5 1.75	1100 x 2100	Center opening	2000 x 1500	2600 x 2250	1500 1600	4500 4700	2600 x 2250
1600	21	1.0 1.5 1.75	1100 x 2100	Center opening	2000 x 1750	2600 x 2500	1500 1600	4500 4700	2600 x 2500

Note:Only for reference, final manufacture please follow contract.

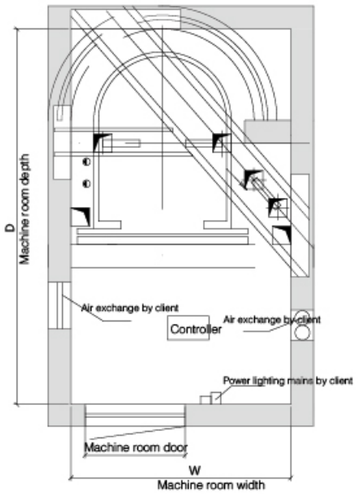
Construction Sketch

Observation Elevator

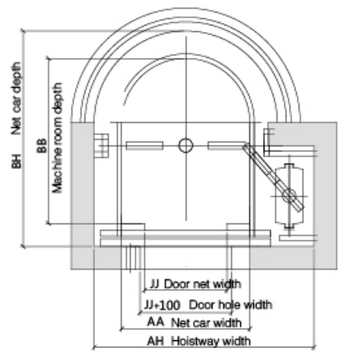
Hoistway elevation



Machine room plan



Hoistway plan



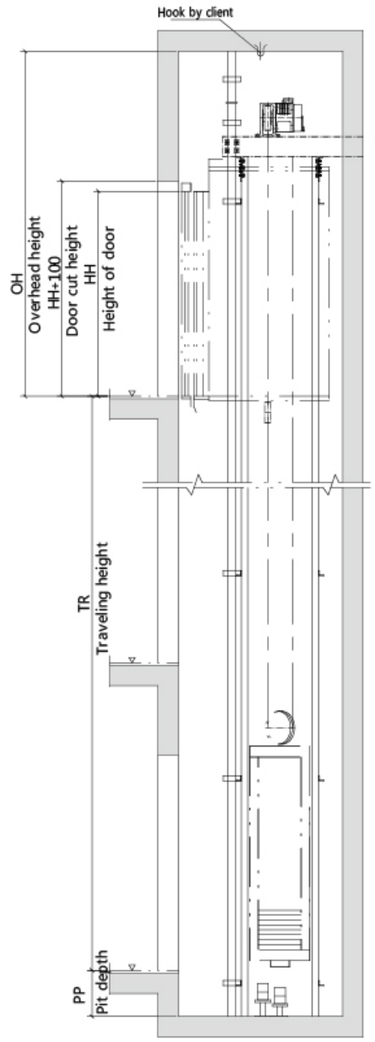
Load (kg)	NO.of persons	Speed (m/s)	Entrance (Width x Height) (JJ x HH)mm	Door open type	Car net size Inner size (AA x BB)mm	Shaft inside dimension (Width x Depth) (AH x BH)mm	Shaft inside dimension Pit PP	Shaft inside dimension Overhead height OH	Machina room size Width x Depth x Height (W x D x H)mm
630	8	1.0 1.5 1.75	700 x 2100	Center opening	1100 x 1600	2100 x 2155	1900	4900	3000 x 5000 x 2800
800	10	1.0 1.5 1.75	800 x 2100	Center opening	1300 x 1700	2300 x 2255	1900	4900	3000 x 5000 x 2800
1000	13	1.0 1.5 1.75	900 x 2100	Center opening	1400 x 1800	2400 x 2355	1900	4900	3000 x 5000 x 2800

Note:Only for reference, final manufacture please follow contract.

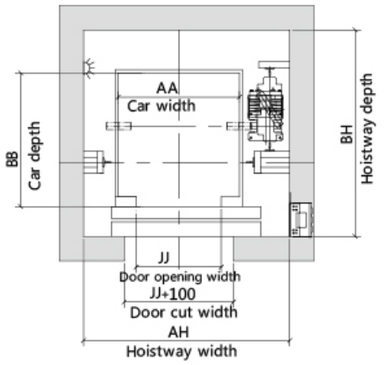
Construction Sketch

Traction Type Home Elevator

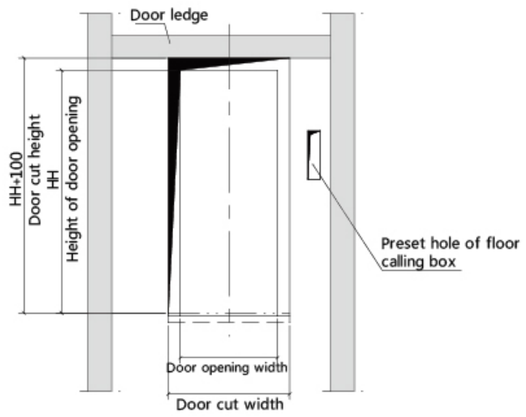
Hoistway elevation



Hoistway plan



The hall door front layout



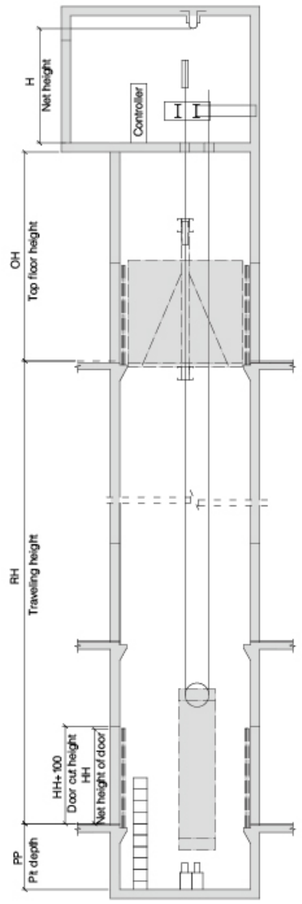
Load(KG)	NO.of persons	Speed(m/s)	Car opeing size JJxHH(mm)	Car opeing size	Net car size AAxBB(mm)	Hoistway net size		
						AHxBH(mm)	PP(mm)	OH(mm)
260	3	0.4	700x2000	Center opening	900x1000	1600x1600	≥800	≥3500
320	4	0.4	700x2000	Center opening	1000x1000	1700x1600	≥800	≥3500
400	5	0.4	700x2000	Center opening	1000x1000	1700x1700	≥800	≥3500

Note:Only for reference, final manufacture please follow contract.

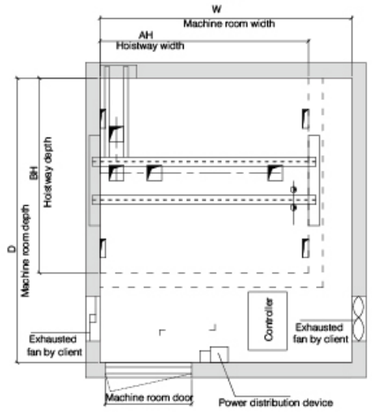
Construction Sketch

Freight Elevator

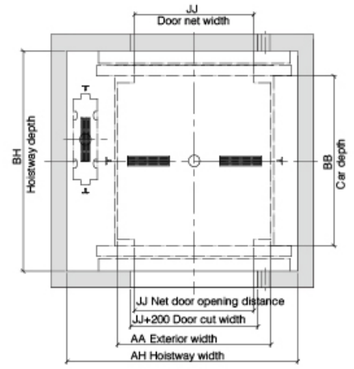
Hoistway elevation



Hoistway plan



Machine room plan

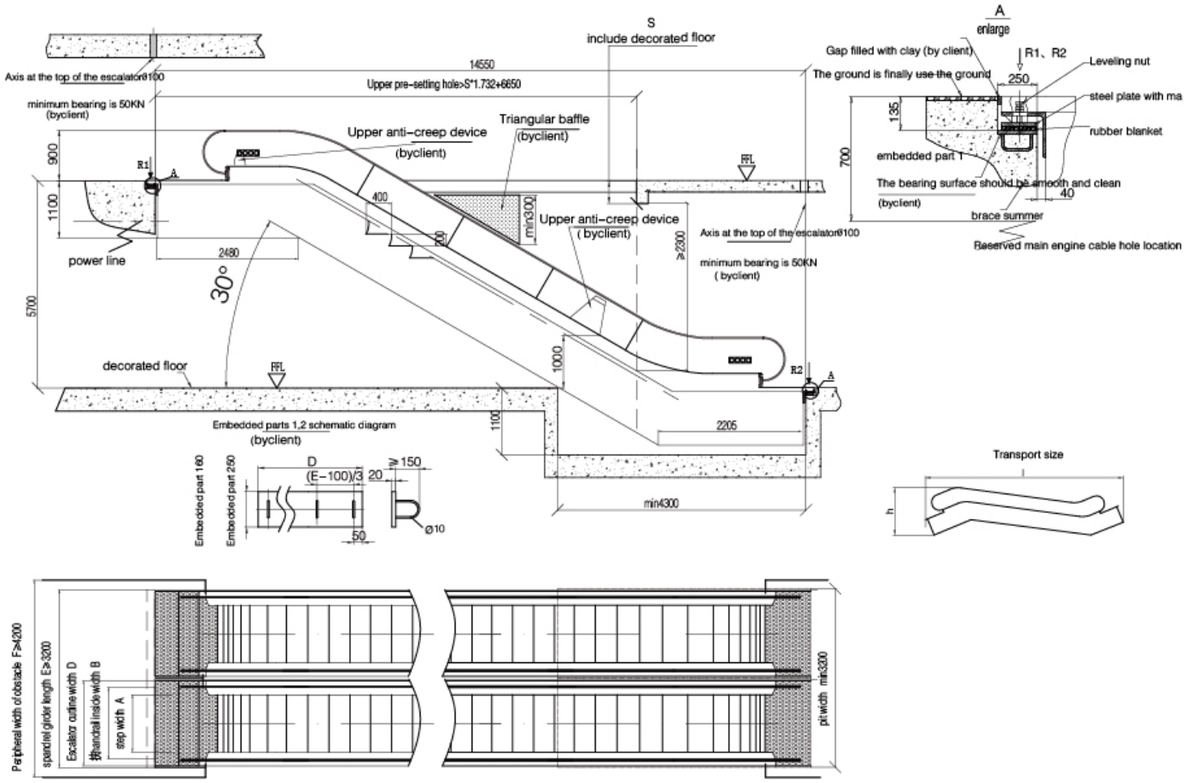


Load (Kg)	speed (m/s)	Entrance	Door open type	Car net size	Shaft inside dimension(mm)			Machina room size	Remarks
		(JJ X HH) mm		(AA X BB) mm	(AH X BH) mm	PP	OH	(W X D X H) mm	
1000	0.5	1200 X 2100	Side-opening	1430 X 1670	2300 X 2100	1500	4500	3100 X 3800 X 2600	One-side opening
1000	0.5	1200 X 2100	Side-opening	1430 X 1608	2300 X 2100	1500	4500	3100 X 3800 X 2600	Opposite door
2000	0.5	1500 X 2100	Center opening double-folded	1930 X 2140	3000 X 2660	1500	4500	3400 X 4900 X 2600	One-side opening
2000	0.5	1500 X 2100	Center opening double-folded	1930 X 2050	2900 X 2660	1500	4500	3400 X 4900 X 2600	Opposite door
2000	0.5	1500 X 2100	Side-opening	1930 X 2170	2900 X 2660	1500	4500	3400 X 4900 X 2600	One-side opening
2000	0.5	1500 X 2100	Side-opening	1930 X 2108	2900 X 2660	1500	4500	3400 X 4900 X 2600	Opposite door
3000	0.5	1600 X 2100	Center opening double-folded	2000 X 2900	3100 X 3400	1500	4500	4100 X 5500 X 2800	One-side opening
3000	0.5	1600 X 2100	Center opening double-folded	2000 X 2900	3100 X 3510	1500	4500	4100 X 5500 X 2800	Opposite door
3000	0.5	1600 X 2100	Side-opening	2000 X 2900	3100 X 3400	1500	4500	4100 X 5500 X 2800	One-side opening
3000	0.5	1600 X 2100	Side-opening	2000 X 2900	3100 X 3452	1500	4500	4100 X 5500 X 2800	Opposite door
5000	0.5	1600 X 2100	Center opening double-folded	3000 X 3000	4450 X 3600	1600	5100	3600 X 5000 X 3000	One-side opening
5000	0.5	1600 X 2100	Center opening double-folded	3000 X 3000	4450 X 3610	1600	5100	3600 X 5000 X 3000	Opposite door

Note:Only for reference, final manufacture please follow contract.

Construction Sketch

30°/1000 Escalator



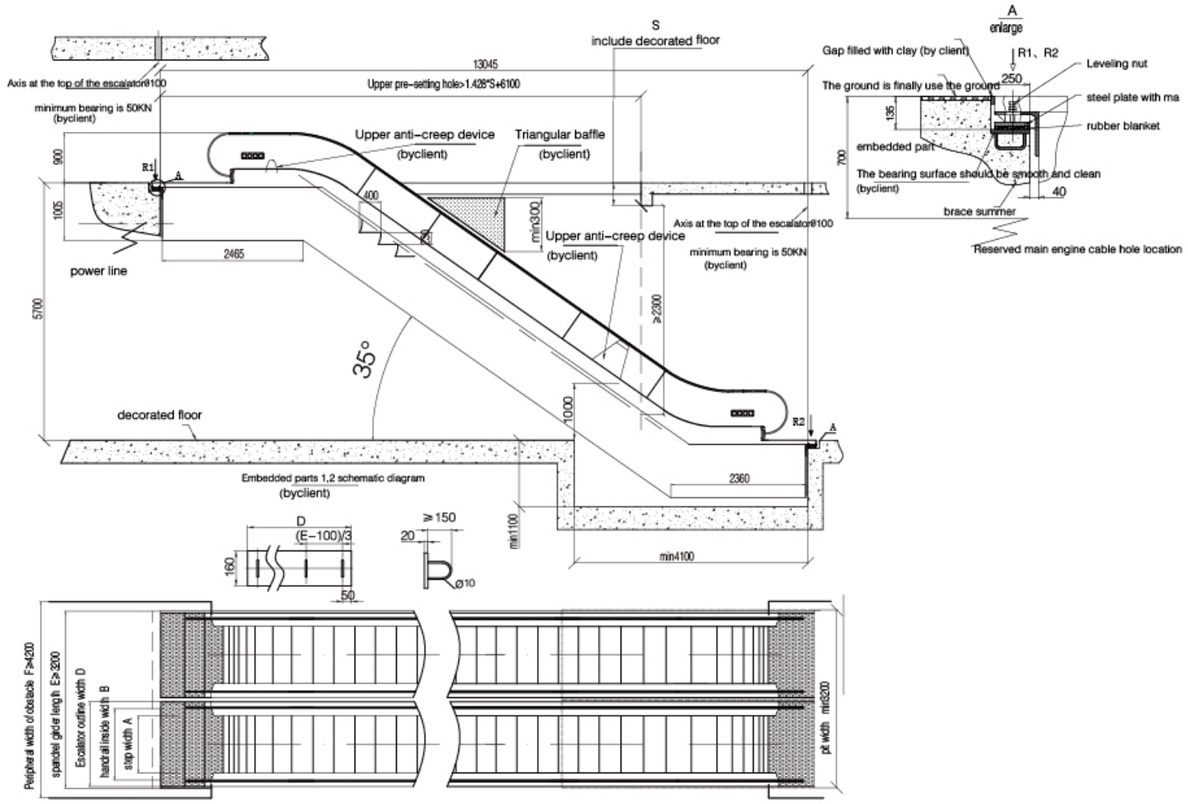
30° Escalator specifications

Model	Travelling height(mm)	Rated speed (m/s)	Capacity per./h	Inclination (°)	No . of horizontal steps	Montor power (Kw)	A (mm)	B (mm)	C (mm)	D (mm)
SA (600/30°)	3000≤H≤6000	0.5	3600	30	2(3)	8	600	838	1200	≥1260
	6000 < H≤7200				3	11				
SA (800/30°)	3000≤H≤4800	0.5	4800	30	2(3)	8	800	1038	1400	≥1460
	4800 < H≤6000				2(3)	11				
	6000 < H≤6400				3	11				
	6400 < H≤7200				3	15				
SA (1000/30°)	3000≤H≤4800	0.5	6000	30	2(3)	8	1000	1238	1600	≥1660
	4800 < H≤6000				2(3)	11				
	6000 < H≤6400				3	11				
	6400 < H≤7200				3	15				
	7200 < H≤8000				3	15				
	8000 < H≤12000				3	2 x 11				

Note:Only for reference, final manufacture please follow contract.

Construction Sketch

30°/1000 Escalator



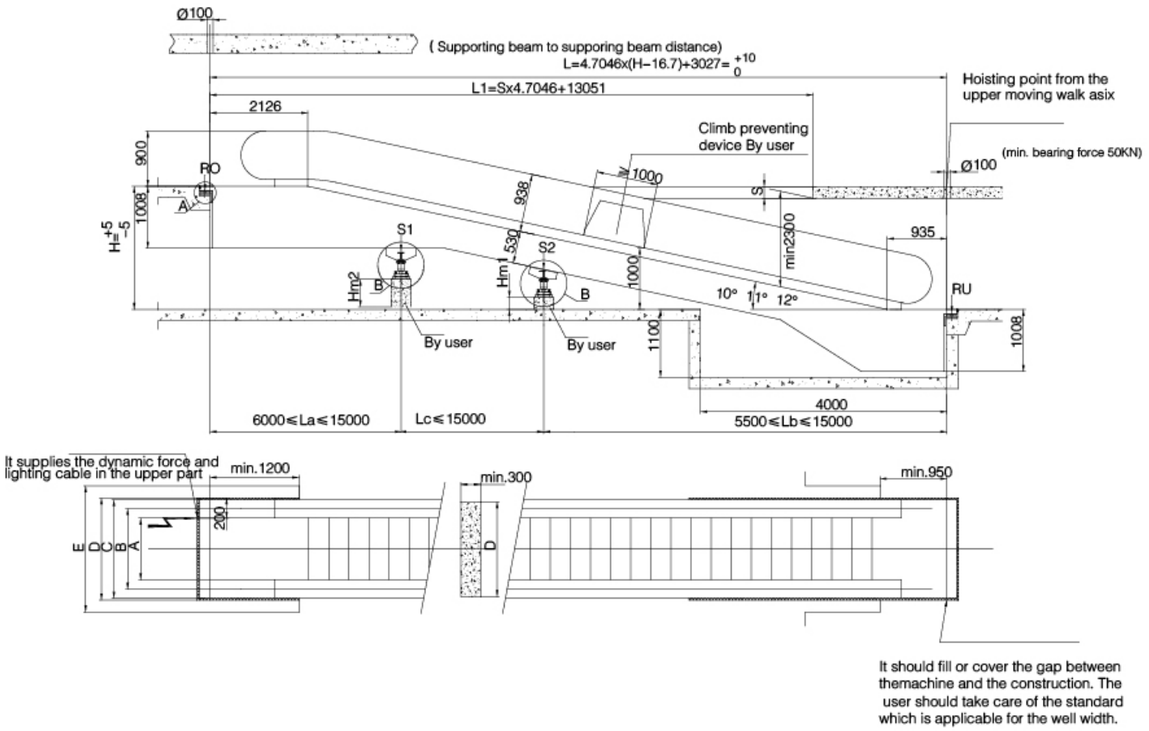
35° Escalator specifications

Model	Travelling height(mm)	Rated speed (m/s)	Capacity (per./h)	Inclination (°)	No . of horizontal steps	Montor power (Kw)	A (mm)	B (mm)	C (mm)	D (mm)
SA (600/35°)	3000≤H≤6000	0.5	3600	35	2	8	600	838	1200	≥1260
SA (800/35°)	3000≤H≤5200	0.5	4800	35	2	8	800	1038	1400	≥1460
	5200 < H≤6000					11				
SA (1000/35°)	3000≤H≤5200	0.5	6000	35	2	8	1000	1238	1600	≥1660
	5200 < H≤6000					11				

Note:Only for reference, final manufacture please follow contract.

Construction Sketch

10°、11°、12°/1000 Mocing walk



10° –12° Moving walk specifications

Model	Travelling height(mm)	Rated speed (m/s)	Capacity (per./h)	Inclination (°)	Montor power (Kw)	A (mm)	B (mm)	C (mm)	D (mm)
SA (800/10°)	2000≤H≤4200	0.5	6750	10	8	800	1038	1400	≥1460
	4200＜H≤5900				11				
	5900＜H≤6500				15				
SA (1000/10°)	2000≤H≤3300	0.5	9000	10	8	1000	1238	1600	≥1660
	3300＜H≤4600				11				
	4600＜H≤6500				15				
	6200＜H≤6500				2X11				
SA (800/11°)	2000≤H≤4300	0.5	6750	11	8	800	1038	1400	≥1460
	4300＜H≤6000				11				
	6000＜H≤6500				15				
SA (1000/11°)	2000≤H≤3400	0.5	9000	11	8	1000	1238	1600	≥1660
	3400＜H≤4700				11				
	4700＜H≤6400				15				
	6400＜H≤6500				2X11				
SA (800/12°)	2000≤H≤4500	0.5	6750	12	8	800	1038	1400	≥1460
	4500＜H≤6200				11				
	6200＜H≤6500				15				
SA (1000/12°)	2000≤H≤3500	0.5	9000	12	8	1000	1238	1600	≥1660
	3500＜H≤4900				11				
	4900＜H≤6500				15				

Note:Only for reference, final manufacture please follow contract.

Points For

Attention in the construction and installation

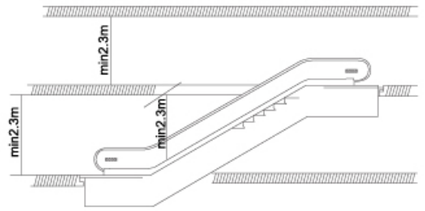
Besides complying with the drawing of the contract, attention should also be drawn to the following

- To ensure the safety of the escalator and moving walk, free space should also be large enough in the landing area.(See the minimum size reight)
- C=handrail belt width



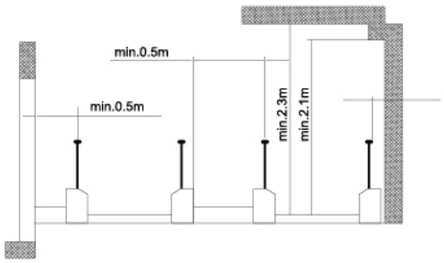
Vertical safety distance

- There should be at least 2.3m upside safety distance staring upward from the step board.
- Notice: if the vertical rise of one escalator, which is installed above another one, is less than 3.3m,the upside safety distance can not reach 2.3m.



Escalators and moving walk horizontal safety distance

- The horizontal distance between the handrail edge and the wall or other objects should be more than 80mm.
- The vertical distance above the step board should be more than 2.3m.
- The vertical distance above the handrail space should be more than 2.1m.
- In case of floor spaces or the cross layout of escalators and moving walk, the safety distance between the handrail center and the object should be more than 0.5m.
- If the above-mentioned requirements cannot be met, a special protection device and a bumper rail should be sued.
- For further information, please contact TRUMPF elevator.



Considerate Services

New Starting Point In After-sale Service

The professional service teams

ASIA SIGMA Co., Ltd. owns the powerful service teams to all-weather safeguard your passenger flow in 24 hours. Our repair technicians think highly of the safe and practical properties with quick response. We rush to the site as soon as possible. We wholeheartedly provide you with the long-term solution plans.

1. Professional before-sale service: We have the rational and scientific design plan custom-made for vastclients.

2. Excellent installation service: The effective installation team greatly reduces the construction cost and time.

3. Perfect maintenance service: It ensures and prolongs the running period of customer elevator to the greatest extent.

4. Detailed technical support: The professional technicians solves the technical problems of your product.

5. Promptly remove the trouble: At receiving the repair call, we rush to the site to remove any of the elevator trouble.





Brabd height starts herefrom

ASIA SIGMA enhances the after-sale service to another form of the product quality. It takes the users' requirements as the service starting-points. It adheres to the world's first-class service management system and service standard. It promises all-weather repair and maintenance. It can do annual-examination service etc. for you so that you feel the sweet and perfect high-end service standards.

The first-class systems

No matter for before, mid and after sale services, it offers full-course one-stop fine services till life-long service time limit of the products.

It regularly dispatches repair and maintenance staff to test and maintain the elevators so that you can rest assured in using the elevators.

The first-class standards

Professional → Prompt and convenient → In-time → Instant and immediate

- It matches with the professional technical team with rich experience. It momently provides the clients with the perfect technical advise and instructions.
- It promises to reach the site within 30 minutes. It helps to solve the customers' problems as soon as possible.
- It reasonably arranges repair and maintenance time. Under the conditions of unaffecting the users' elevator operation, it finds the problems in time and removes any hidden dangers in advance.
- 24-hour customer service hot-line ensures the clients' emergency repair and maintenance requirements.