Global Center (Hong Kong)
SHARP ELEVATORS CO., LIMITED
(SHARP TRADING CO., LIMITED)
Website: www.sharp-elevators.hk
Email: info@sharp-elevators.hk

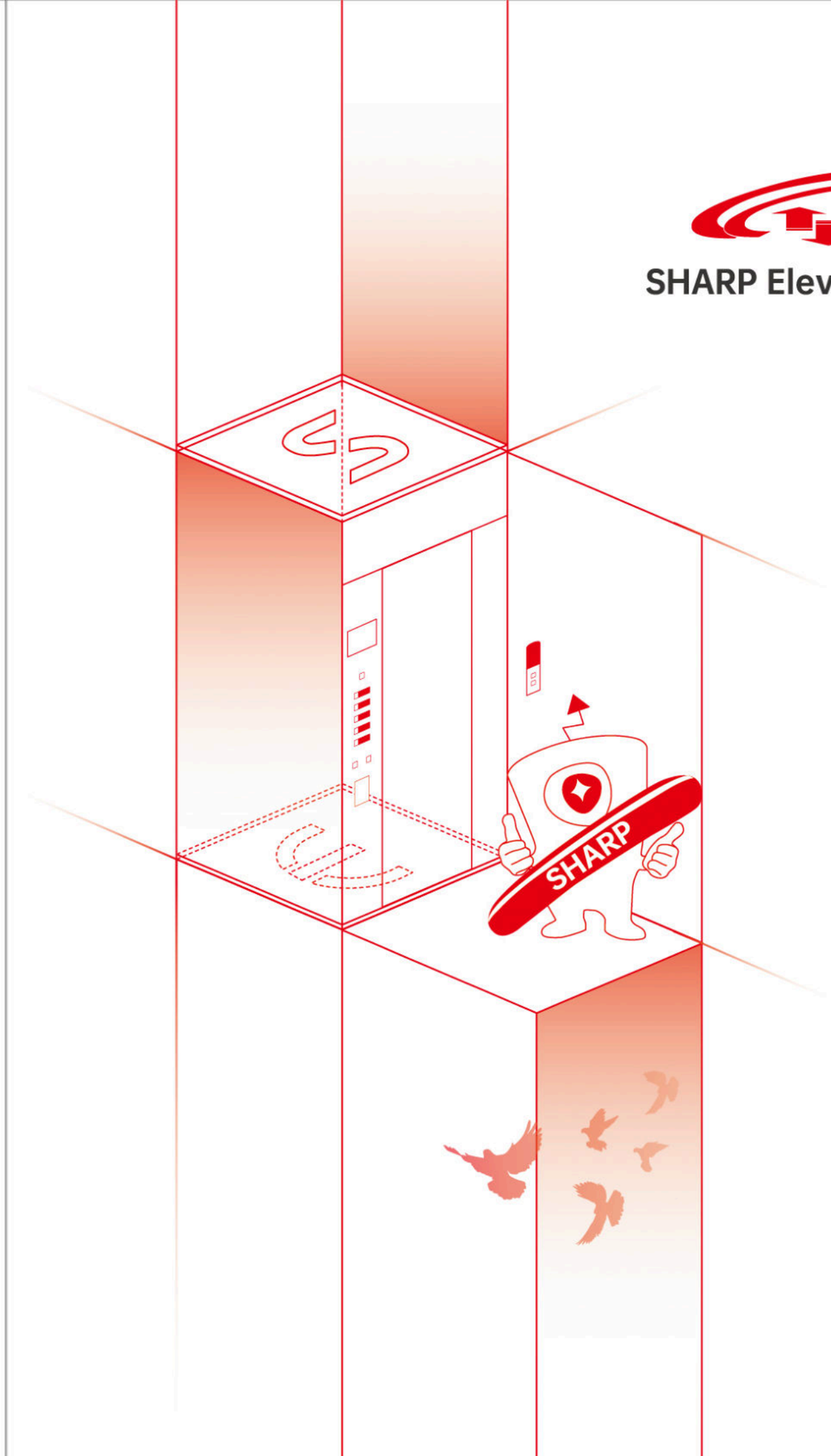
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AUTHORIZED SOLE AGENT

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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.

SHARP Elevators HK



WE ARE

SHARP Elevators
Serves The World

UP-BEING FOCUS

SHARP Elevators (SHARP Trading) is a joint venture for global enterprise, who is professional in operating all kinds of elevator, escalator, moving walk and complete accessories.

The headquarters is located in Hong Kong, China. SHARP Elevators itself owns chinese manufacturer named Zhejiang KNK Elevator Co., Ltd. and korean manufacturer named Sharp Elevators Korea Co., Ltd. (샤프엘리베이터스코리아 유한회사)

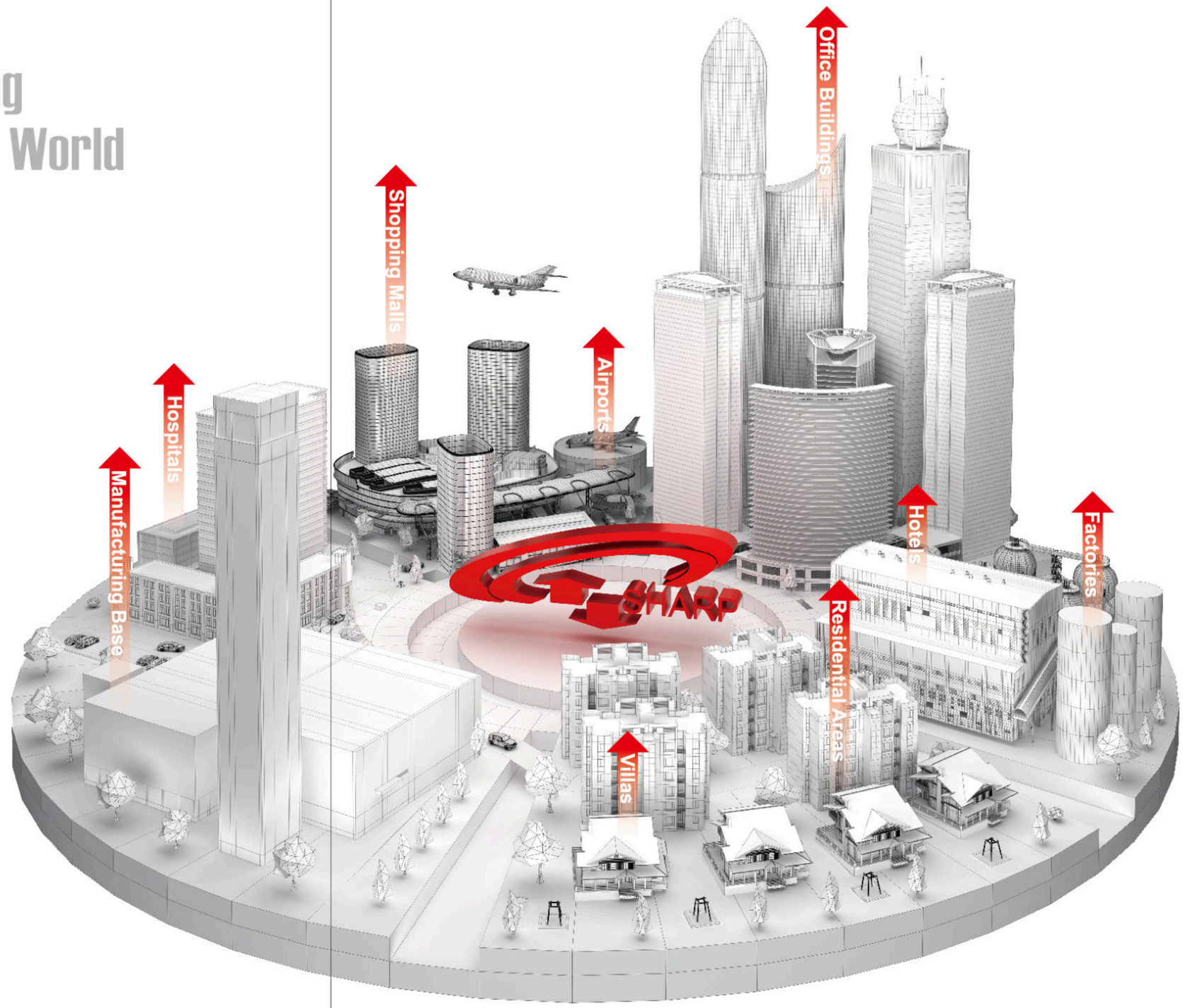
Based on the world famous platform with finance and logistics, setting elevator & escalator as core, to create a trinity - "World Trading Bridge", which is commanded in Hong Kong, operated around the world, and made in China and Korea.

Every elevator, escalator, moving walk and the complete accessories from SHARP ELEVATORS CO., LIMITED are fully implemented management systems: ISO9001, ISO14001 and OHSAS18001. Meanwhile, it possesses international certificates of CE, SASO, KFSD, CU-TR and etc. The market and service network spread over 50 countries in Asia, Europe, Africa, America and Oceania.

SHARP Elevators serves the world. SHARP Trading connects the world.

WE DO

SHARP Trading
Connects The World



GLOBAL ENTERPRISE
ELEVATOR & ESCALATOR

SHARP Elevators (SHARP Trading) strict control of own product quality, thus set up the world's excellent elevator manufacturing bases in both China and Korea. With a 66,000 square meters modern standard factory, which is keeping a manufacturing capacity of more than 12,000 sets as annual output. It equips the sophisticated metal plate production line; The permanent magnetic synchronous elevator machine assembly, adjusting production line. The door operator manufacturing and assembly production line; And the production line of assembly and adjusting for escalator and moving walk. Besides, the electric control building is especially designed for elevator, escalator and moving walk control systems, cables and floor calling parts and so on. It has achieved actual independent productions for main parts.

It covers passenger elevator, panoramic elevator, hospital elevator, freight elevator, car elevator, home elevator, dumbwaiter elevator, escalator and moving walk.

In terms of equipment, it owns a testing tower of 100 meters in height, with 10.0 m/s elevator testing ability. Possess the manufacturing qualification of 4.0 m/s as rated speed and ability of travelling height 10 meters for outdoor escalator.

Its abilities to manufacture, install, alter and maintain products in nationally accredited and has reached the AA standard. It is an enterprise of high-end technology that is dedicated to designing, manufacturing, installing, modernizing and maintaining elevator as well as escalator and moving walk.

Having inherited the advanced technology from the world renowned elevator enterprises, it keeps introducing the latest technology and innovating, which forms its development model. Also with its product concepts that optimally mirror personalization, it produces a series of product that satisfies the demands of the global market.



EQUIPMENT TECHNOLOGY

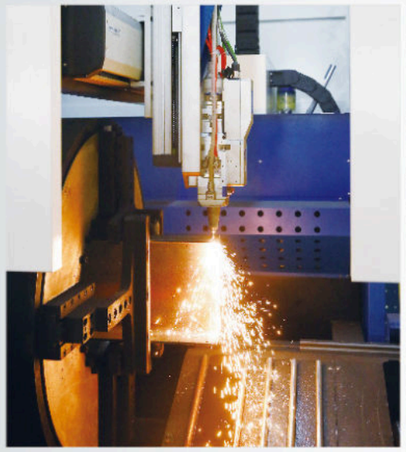
In order to satisfy different requirements from vast global users towards various elevators, persists in standing at the height of international elevator industry. It actively introduces advanced domestic and oversea equipments. It effectively enhances the productivity and product quality. It introduces highly intellectual robot production lines. It fulfills digital management during the products' manufacturing process. It pushes forward the elevator industry to advance towards the intellectual times at high speed.

EQUIPMENT TECHNOLOGY

SHARP Elevators introduces various first-class worldwide manufacturing devices. It advances towards modern and international technology. It keeps enhancing its efficiency. It produces the most delicate and superior elevators. It sublimes quality concept to truly industrial fashion.



▲ Manufacturing workshop





▼ Testing tower









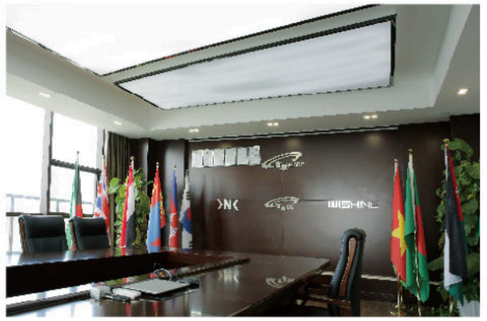
▲ Robots system



OFFICE CENTER

SHARP Elevators constructs a significant and comfortable office environment for welcome everyone. Noble and deluxe VIP Reception Hall, popular high technology and New Products Exhibition Hall inspire innovative and far-sighted thoughts of SHARP Elevators people at all times. It keeps UP-BEING FOCUS.





INTEGRATED CONTROLLER



10.0 M/S

UP TO RATED SPEED





(Optional)
Elevator auto rescue device



(Optional)
Voltage stabilizer

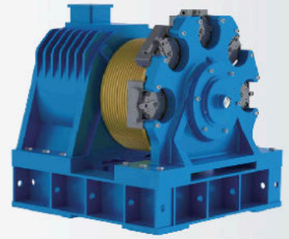
GEARLESS MACHINE



GTN3



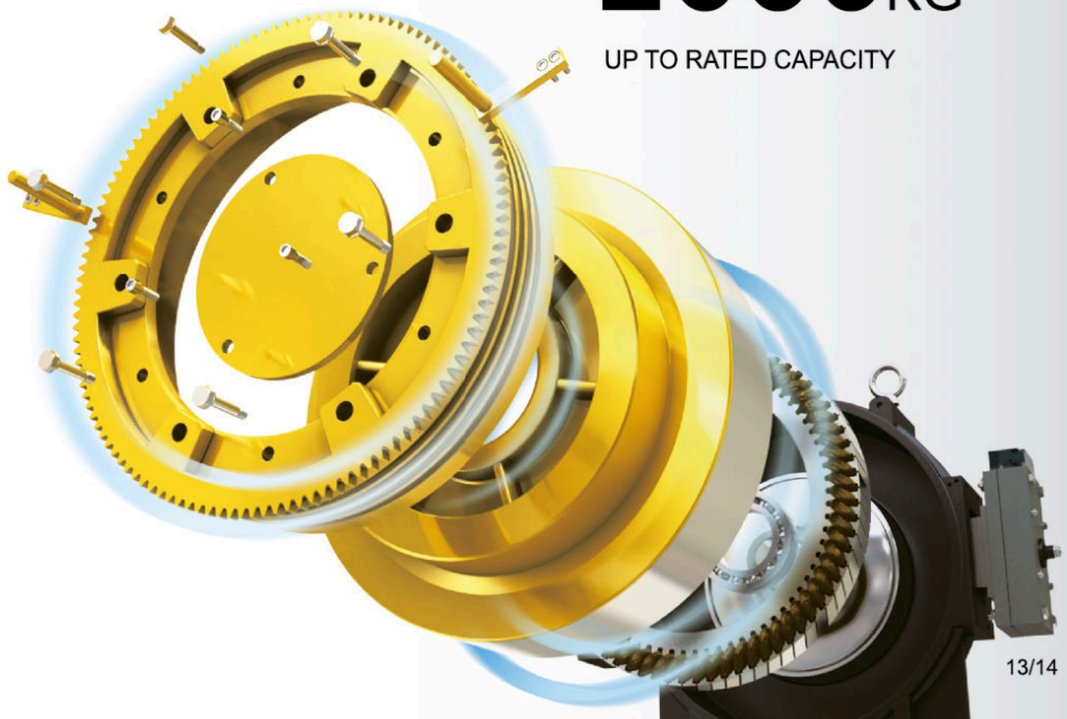
FRD82



MDD710

2000 KG

UP TO RATED CAPACITY



ENERGY SAVING SYSTEM

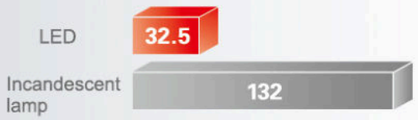
(Optional) LED lighting system

Service life (HR)



Approximate 12.5 times longer

Power consumption (W)



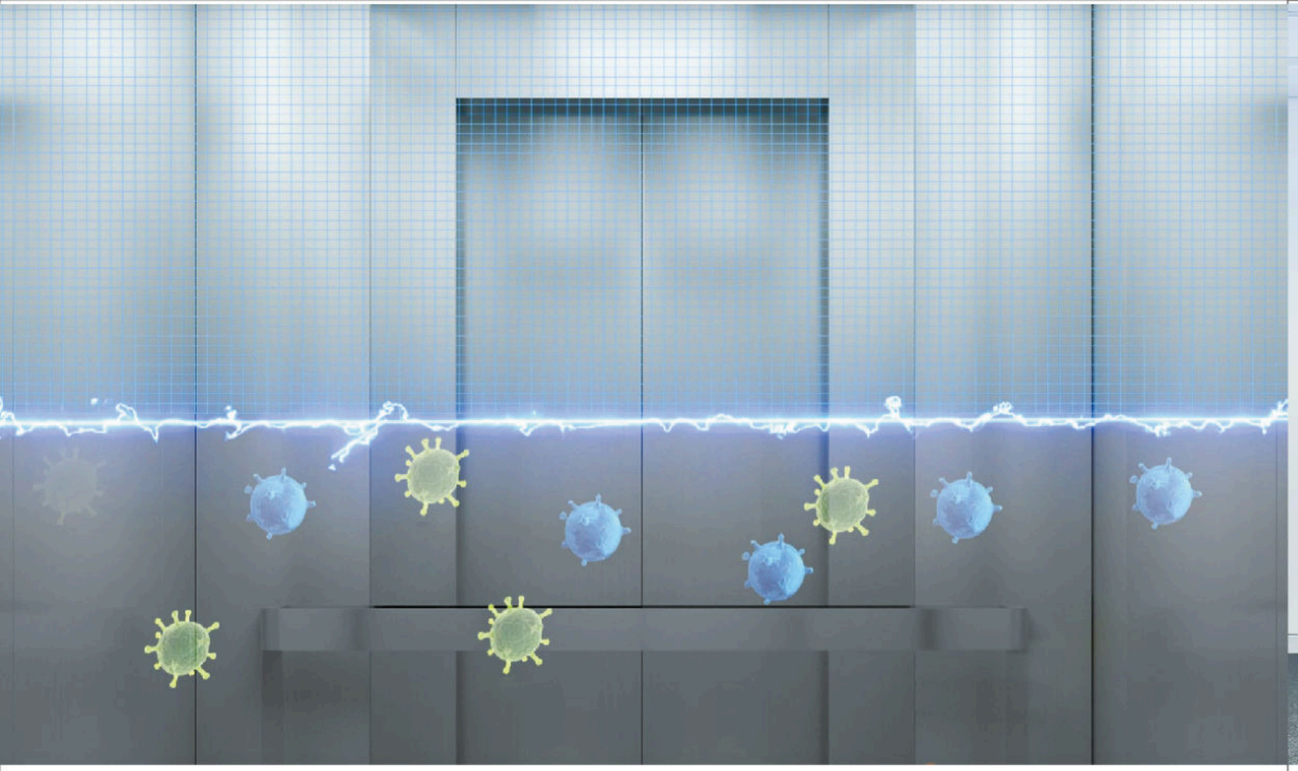
Approximate 75% reduction

(Optional) DDS
Elevator destination dispatch system

Allocating passengers to cabins depending on destination floors

When a passenger enters a destination floor at a hall, the hall operating panel immediately indicates which cabin will serve the floor. Because the destination floor is already registered, the passenger does not need to press a button in the cabin. Furthermore, dispersing passengers by destination prevents congestion in cabins and minimizes waiting and travelling time.

(Cabin destination floor indicator can be installed on the cabin operating panel as an option to display which floors the cabin stops at.)







(Optional)
Zero-touch Intelligent induction

It applies capacitance type non-contactable long-distance induced mode. Effective induced distance fulfills 5mm. It prevents finger from touching the press button. It thus greatly reduces virus infection there-from. It also prolongs the service life of elevator press buttons.

NON CONTACT SAFETY LADDER

(If oversea mobile communication operation is available)

(Optional)
Intellectual human-face recognition system

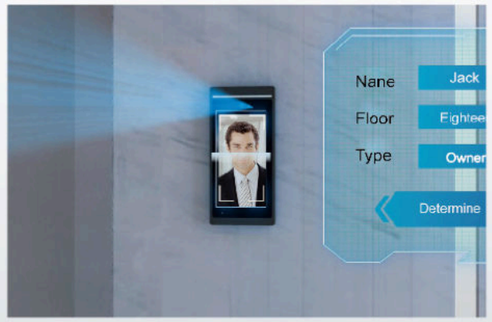
Passengers can automatically register the destination floor in the waiting hall, inside and outside the cabin through human face recognition. When passenger flow is big, back-up intellectual module guides other idle elevators to “support”.

(Optional)
QR code call

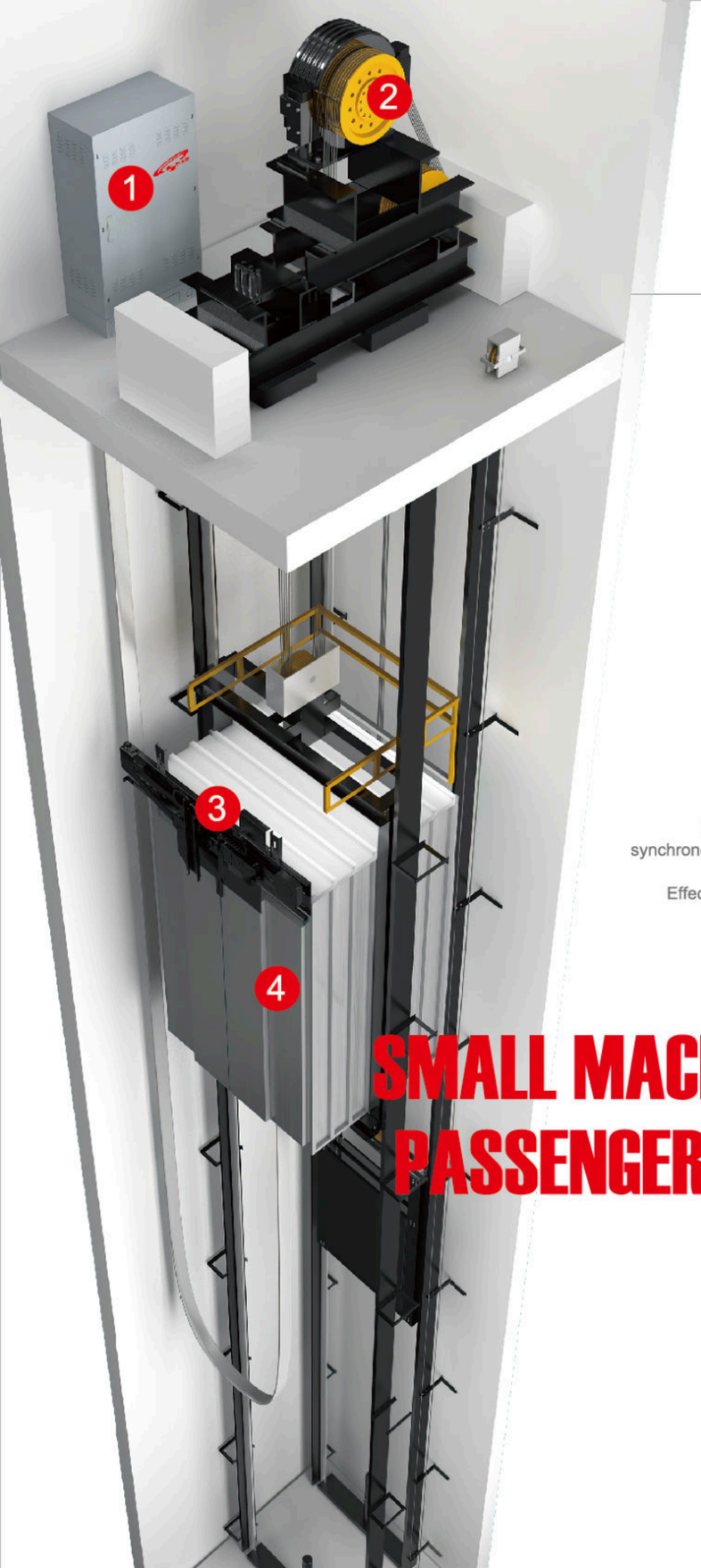
According to the installation location and user demand of the elevator, set the QR code in the elevator, and the mobile phone scanning can control the elevator; or generate the QR code by the user's mobile phone, and let the scanning equipment in the elevator scan the QR code on the mobile phone screen to control the elevator. Zero touch elevator, more intelligent and safer.

(Optional)
Fingerprint IC card

Combined with biometric technology and IC card, through the fingerprint sensor in the card, realizes biometric sample capture (fingerprint entry / fingerprint verification), fingerprint template extraction, storage and matching, the cardholders' identity authentication can be completed within one second. Taking elevator without password, one person one card, more convenient and safer.







Integrated controller 1

Energy-saving permanent magnet synchronous and gearless traction machine 2

Effective permanent magnet frequency conversion door operator 3

Individual decoration 4

SMALL MACHINE ROOM PASSENGER ELEVATOR



MACHINE ROOMLESS PASSENGER ELEVATOR

- Hoistway optimal design has effectively saved 10% of construction areas
- Being equipped with green drive and energy conservation devices, 30% energy can be saved
- Machine roomless concept makes the design of building more free and comfortable

PASSENGER ELEVATOR

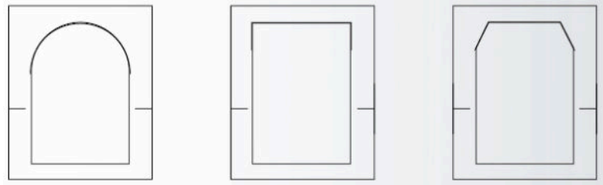
Combined with modern technology and fashion art, SHARP passenger elevator satisfies all needs in office building, hotel, shopping mall etc, and offers the safe, comfortable, smart, energy saving riding experience.





PANORAMIC ELEVATOR

SHARP panoramic elevator applies highly secure laminated glass cabin wall material. It prevents from energy loss with effective sound-isolation. It adopts large-area cabin wall glass to create the best sight-seeing vision. It is smooth in outline design. It adds infinite beauty and charm for the building in the travel process.



Semi-circular　　Square　　Cutting-angle

Various types of cabin are available for your choice and meet different needs. The overstriking line in each picture is transparent safety glass.



PANORAMIC ELEVATOR CABIN



SE-G101N



SE-G102N



SE-G103N



SE-G104N



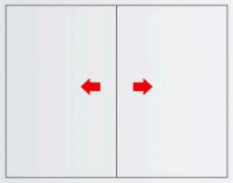
SE-G105N



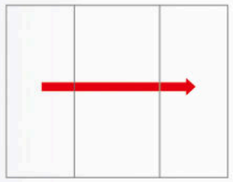
SE-G106N

HOSPITAL ELEVATOR

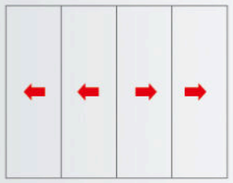
There is strict requirement for hospital elevator because of the special environment in the hospital. Focusing on human-oriented design, SHARP hospital elevator precisely controls elevator running speed and attentively makes comfortable space for passengers.



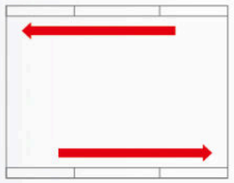
Center opening



Telescopic opening



4 panels center opening



Through opening



HOME ELEVATOR

SHARP home elevator, no need of traditional machine room, without increasing any construction cost.

VVVF drive technology, appropriative micro-processing control.

The appropriative traction machine bracket is fixed on the guide rail. The building will not be had any load.

Automatic special door operator, synchronous timing belt transmission.



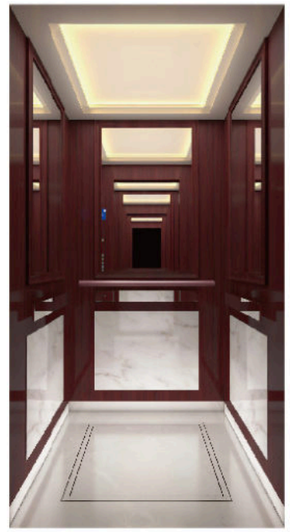
SE-V101N

Cabin walls: Mirror etching stainless steel finish with gold and marmoreal steel plate



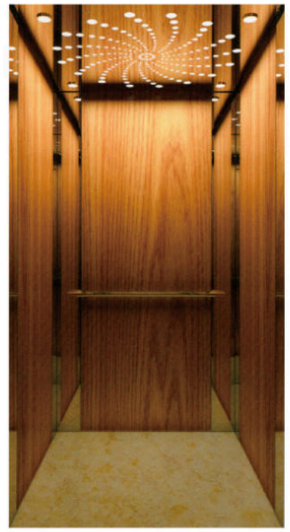
SE-V102N

Cabin walls: Safety glass with hairline stainless steel finish frame



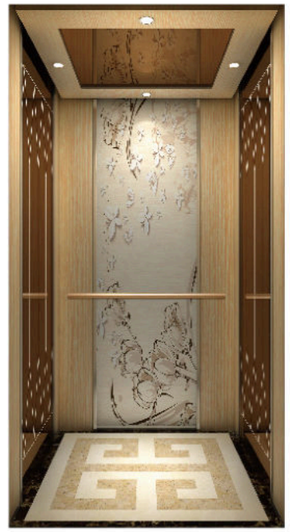
SE-V103N

Cabin walls: Wood veneer, mirror stainless steel



SE-V104N

Cabin walls: Mirror stainless steel with wooden steel plate



SE-V105N

Cabin walls: Cosmetic steel plate, rose gold mirror etching, silk art painting

FREIGHT ELEVATOR

The firm and durable cabin

High strength plate ensures the firm and durable cabin. In addition, SHARP freight elevator specially designs crash barrier to implement multi-protection to the cabin.

Highly accurate leveling

Leveling accuracy can be controlled within millimeter-sized range.

Energy-saving

Frequency conversion freight elevator applies VVVF and speed regulative technology. It thus greatly reduces the elevators running power consumption and power supply capacity. Compared with the traditional AC-2 speed type elevator, it can save 30%-50% energy.

Large door width

Adopt multi-panel cabin doors to reach the maximum door opening width, making it easy for handing large goods.



CAR ELEVATOR

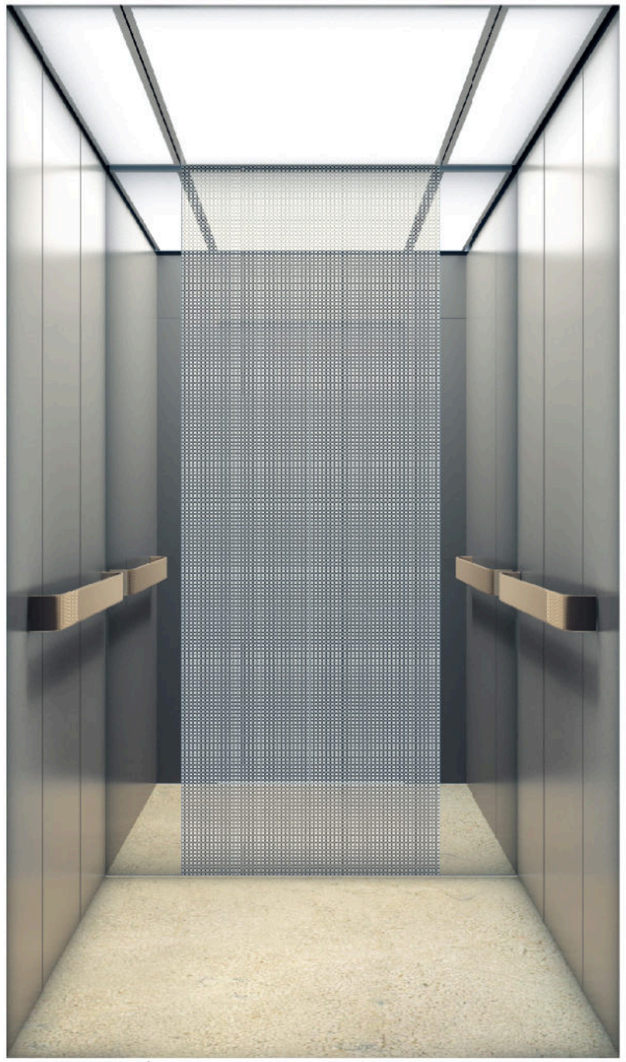
SHARP car elevator solves the technical difficulties of noise and shaking cabin due to uneven outer force. It offers maximum convenience, safe and comfort for use.



DUMBWAITER ELEVATOR

SHARP dumbwaiter elevator provides small space elevators in various buildings with the prompt, economical and convenient vertical transport. It greatly saves time and labor resources. It is widely applicable for delivering food and drinks, dining ware, daily commodities etc. in the restaurant, hotel, hospital, bank and so on.





SE-J101N

Ceiling:	Mirror stainless steel frame, acrylic decoration, LED lighting
Cabin wall:	Mirror etching hairline stainless steel finish
Handrail:	Mirror stainless steel with champagne gold
Floor:	PVC

720° Cabin View

SE-J102N

Ceiling: Mirror stainless steel frame, LED lighting
Cabin wall: Mirror hairline stainless steel finish
Handrail: Hairline stainless steel
Floor: PVC

720° Cabin View



SE-J103N

Ceiling: Mirror stainless steel frame, acrylic decoration, LED lighting
Cabin wall: Mirror etching hairline stainless steel finish
Handrail: Mirror stainless steel
Floor: PVC

720° Cabin View



SE-J104N

Ceiling: Mirror stainless steel frame, acrylic decoration, LED lighting
Cabin wall: Mirror hairline stainless steel finish
Handrail: Mirror stainless steel
Floor: PVC

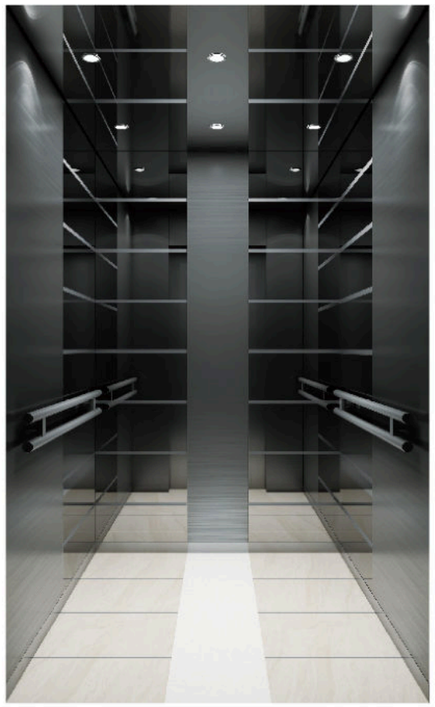
720° Cabin View



SE-J105N

Ceiling: Mirror stainless steel frame, LED lighting
Cabin wall: Mirror etching hairline stainless steel finish
Handrail: Mirror stainless steel
Floor: PVC

720° Cabin View



SE-J106N

Ceiling: Mirror stainless steel frame, acrylic decoration, LED lighting
Cabin wall: Mirror etching hairline stainless steel finish
Handrail: Mirror stainless steel
Floor: PVC

720° Cabin View



SE-J107N

Ceiling: Mirror stainless steel frame, LED lighting
Cabin wall: Mirror etching hairline stainless steel finish
Handrail: Mirror stainless steel
Floor: PVC

720° Cabin View



SE-J108N

Ceiling: Mirror stainless steel frame, acrylic decoration, LED lighting
Cabin wall: Mirror etching hairline stainless steel finish
Handrail: Mirror stainless steel
Floor: PVC

720° Cabin View



SE-J109N

Ceiling: Mirror stainless steel frame, acrylic decoration, LED lighting
Cabin wall: Mirror etching hairline stainless steel finish
Handrail: Mirror stainless steel
Floor: PVC

720° Cabin View



SE-J110N

Ceiling: Mirror stainless steel frame, acrylic decoration, LED lighting
Cabin wall: Mirror etching hairline stainless steel finish
Handrail: Mirror stainless steel
Floor: PVC

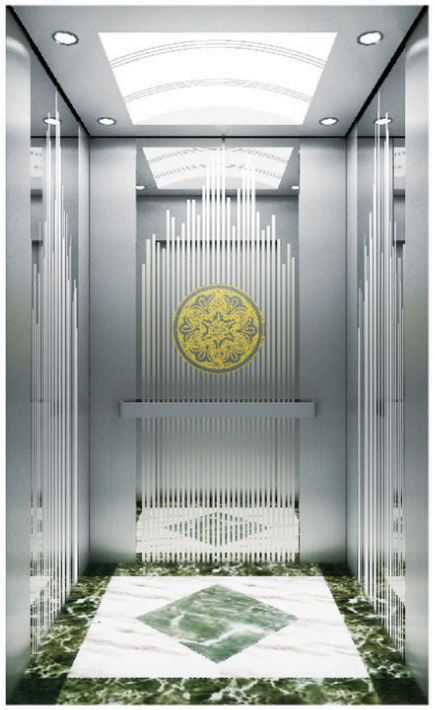
720° Cabin View



SE-J111N

Ceiling: Mirror stainless steel frame, acrylic decoration, LED lighting
Cabin wall: Mirror etching hairline stainless steel finish with gold
Handrail: Mirror stainless steel
Floor: PVC

720° Cabin View



SE-J112N

Ceiling: Mirror stainless steel frame, acrylic decoration, LED lighting
Cabin wall: Mirror etching hairline stainless steel finish
Handrail: Mirror stainless steel
Floor: PVC

720° Cabin View



SE-J113N

Ceiling: Mirror stainless steel frame, acrylic decoration, LED lighting
Cabin wall: Mirror etching hairline stainless steel finish
Handrail: Mirror stainless steel
Floor: PVC

720° Cabin View



CLASSIC



SE-J114N

Ceiling:	Mirror stainless steel frame, acrylic decoration, LED lighting
Cabin wall:	Mirror etching hairline stainless steel finish with gold
Handrail:	Hairline stainless steel
Floor:	PVC

720° Cabin View

SE-J115N

Ceiling: Mirror stainless steel frame, acrylic decoration, LED lighting

Cabin wall: Mirror etching hairline stainless steel finish with gold

Handrail: Mirror stainless steel

Floor: PVC

720° Cabin View



SE-J116N

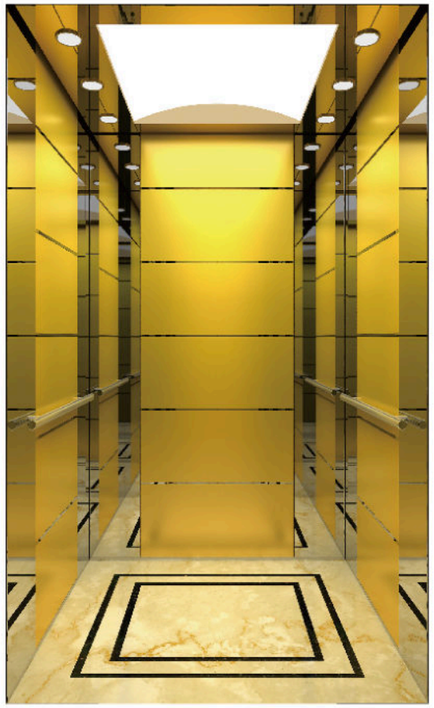
Ceiling: Mirror stainless steel frame with gold, acrylic decoration, LED lighting

Cabin wall: Mirror etching hairline stainless steel finish with gold

Handrail: Mirror stainless steel with gold

Floor: PVC

720° Cabin View



SE-J117N

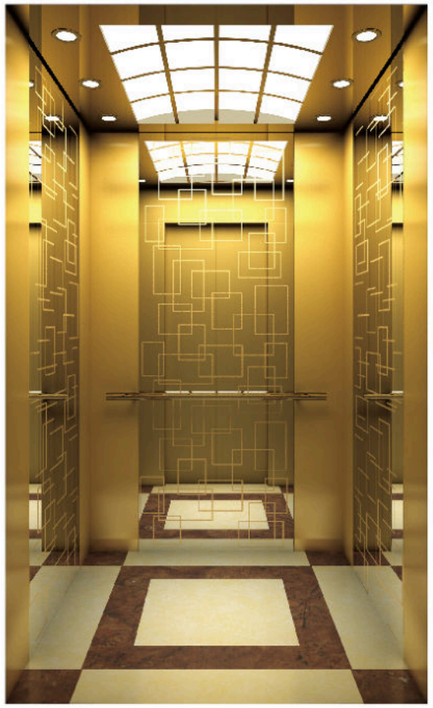
Ceiling: Mirror stainless steel frame with gold, acrylic decoration, LED lighting

Cabin wall: Mirror etching hairline stainless steel finish with gold

Handrail: Mirror stainless steel with gold

Floor: PVC

720° Cabin View



SE-J118N

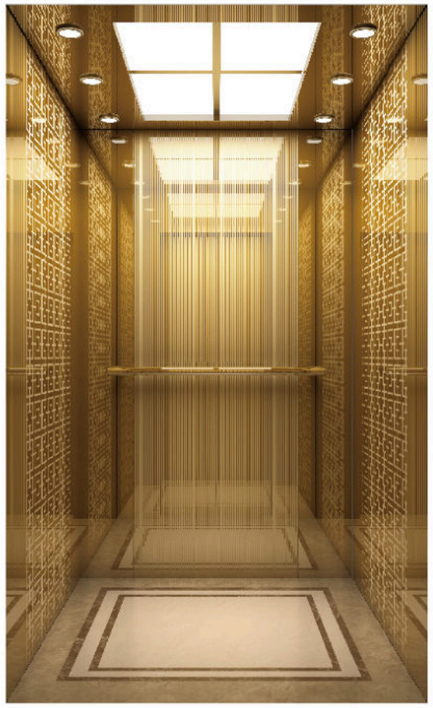
Ceiling: Mirror stainless steel frame with gold, acrylic decoration, LED lighting

Cabin wall: Mirror etching hairline stainless steel finish with gold

Handrail: Mirror stainless steel with gold

Floor: PVC

720° Cabin View



SE-J119N

Ceiling: Mirror stainless steel frame with gold, acrylic decoration, LED lighting

Cabin wall: Mirror etching hairline stainless steel finish with gold

Handrail: Mirror stainless steel with gold

Floor: PVC

720° Cabin View



SE-J120N

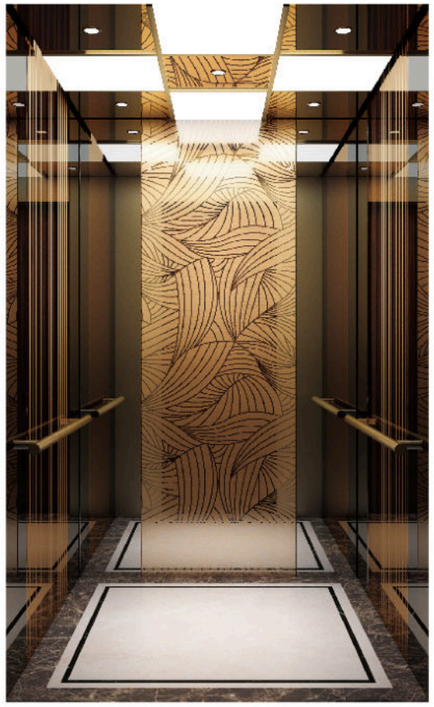
Ceiling: Mirror stainless steel frame with rose gold, acrylic decoration, LED lighting

Cabin wall: Mirror etching hairline stainless steel finish with rose gold

Handrail: Mirror stainless steel with rose gold

Floor: PVC

720° Cabin View



SE-J121N

Ceiling: Mirror stainless steel frame with rose gold, acrylic decoration, LED lighting

Cabin wall: Mirror etching hairline stainless steel finish with rose gold

Handrail: Mirror stainless steel with rose gold

Floor: PVC

720° Cabin View



SE-J122N

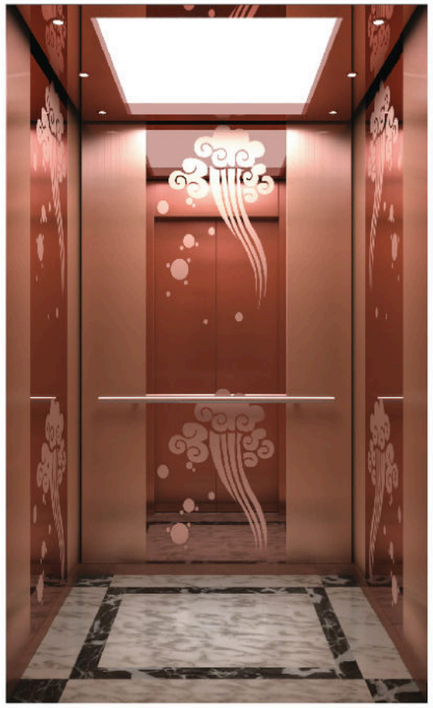
Ceiling: Mirror stainless steel frame with rose gold, acrylic decoration, LED lighting

Cabin wall: Mirror etching hairline stainless steel finish with rose gold

Handrail: Mirror stainless steel with rose gold

Floor: PVC

720° Cabin View



SE-J123N

Ceiling: Mirror stainless steel frame, acrylic decoration, LED lighting

Cabin wall: Mirror etching hairline stainless steel finish with bronze

Handrail: Mirror stainless steel with bronze

Floor: PVC

720° Cabin View



SE-J124N

Ceiling: Mirror stainless steel frame with champagne gold, acrylic decoration, LED lighting

Cabin wall: Mirror etching hairline stainless steel finish with champagne gold

Handrail: Mirror stainless steel with champagne gold

Floor: PVC

720° Cabin View



SE-J125N

Ceiling: Mirror stainless steel frame with black titanium gold, acrylic decoration, LED lighting

Cabin wall: Mirror etching hairline stainless steel finish with black titanium gold

Handrail: Mirror stainless steel with black titanium gold

Floor: PVC

720° Cabin View



SE-J126N

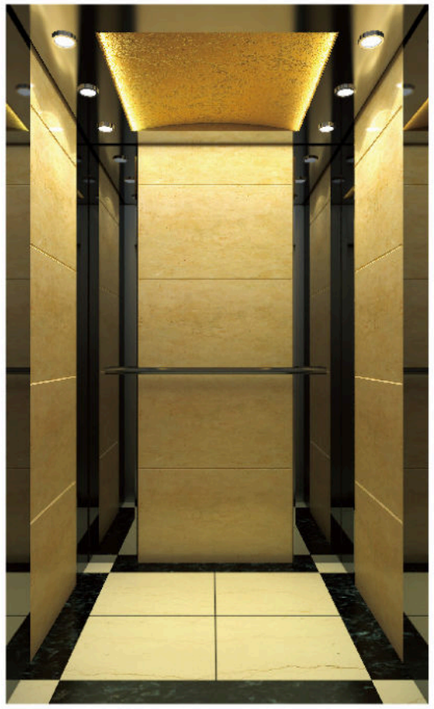
Ceiling: Mirror stainless steel frame with black titanium gold, acrylic decoration, LED lighting

Cabin wall: Mirror etching hairline stainless steel finish with black titanium gold, marble

Handrail: Mirror stainless steel with black titanium gold

Floor: PVC

720° Cabin View







SE-J127N

Ceiling:	Mirror stainless steel frame with rose gold, LED lighting
Cabin wall:	Mirror etching stainless steel finish with rose gold, real wood, leather and mosaic
Handrail:	Real wood
Floor:	Marble

720° Cabin View

SE-J128N

Ceiling: Mirror stainless steel frame with rose gold, LED lighting

Cabin wall: Mirror stainless steel finish with rose gold, real wood and leather together luxury glass

Handrail: Mirror stainless steel with rose gold and real wood

Floor: Marble

720° Cabin View



SE-J129N

Ceiling: Real wood with decoration, LED lighting with luxury lamp

Cabin wall: Real wood with wooden grain carving, leather and glass

Handrail: Real wood

Floor: Marble

720° Cabin View



SE-J130N

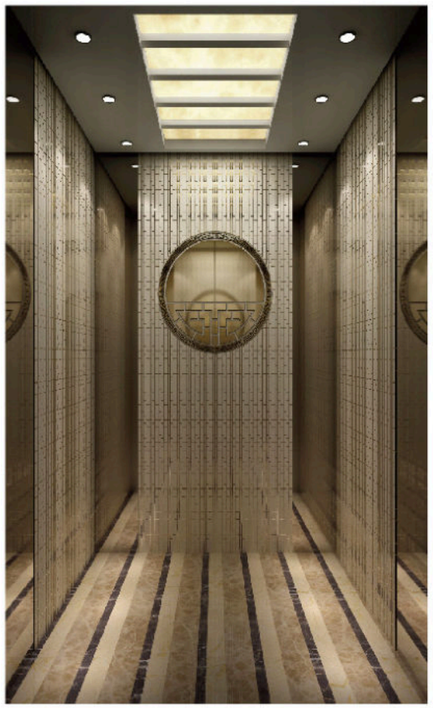
Ceiling: Mirror stainless steel frame with champagne gold, acrylic decoration, LED lighting

Cabin wall: Mirror etching stainless steel finish with champagne gold

Handrail: Mirror stainless steel with champagne gold

Floor: Marble

720° Cabin View



SE-J131N

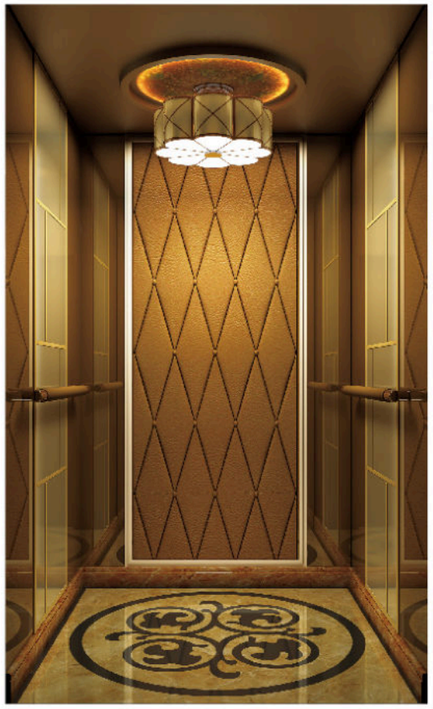
Ceiling: Mirror stainless steel frame with champagne gold, colorful acrylic decoration, LED lighting with luxury pendant lamp

Cabin wall: Mirror stainless steel finish with champagne gold, leather and glass

Handrail: Mirror stainless steel with champagne gold and real wood

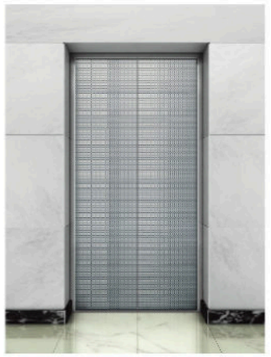
Floor: Marble

720° Cabin View





LANDING DOOR SERIES



SE-T101N



SE-T102N



SE-T103N



SE-T104N



SE-T105N



SE-T106N



SE-T107N



SE-T108N



SE-T109N



SE-T110N



SE-T111N



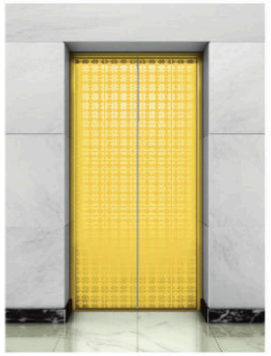
SE-T112N



SE-T113N



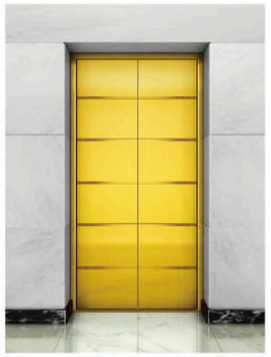
LANDING DOOR SERIES



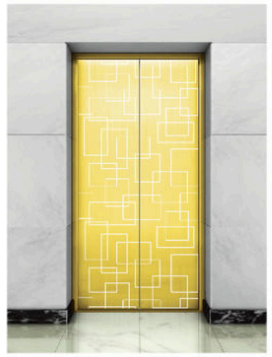
SE-T114N



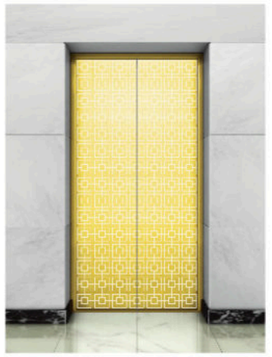
SE-T115N



SE-T116N



SE-T117N



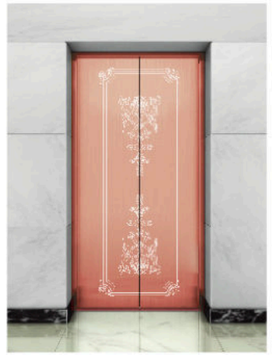
SE-T118N



SE-T119N



SE-T120N



SE-T121N



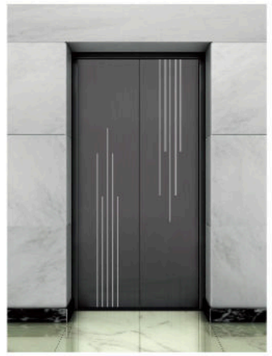
SE-T122N



SE-T123N



SE-T124N



SE-T125N



SE-T126N

COP & LOP



SE-C101N

SE-Z101N
Box type



SE-C102N



SE-Z102N
Wall mounted type



SE-C103N



SE-Z103N
Wall mounted type



SE-Z107N



SE-Z107AN
Wall mounted type



SE-Z108N
Box type



SE-Z108AN

COP & LOP





Disabled individuals COP



SE-C104N



SE-Z104N
Wall mounted type



SE-C105N



SE-Z105N
Box type

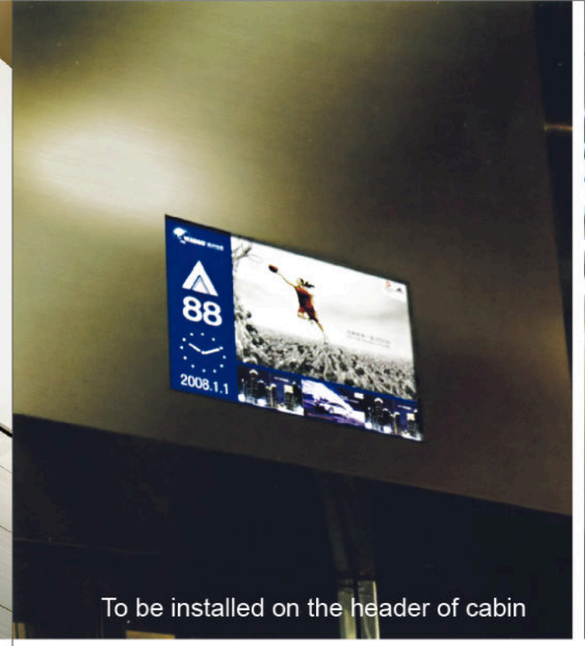


SE-C106N
Integrated type





DISPLAY & BUTTON



To be installed on the header of cabin



To be installed on the side of cabin

Horizontal display



SE-ZH101N



SE-ZH102N



SE-ZH103N

Button (Optional)



BC-01N



BC-02N



BC-03N



BC-04N



BC-05N



BC-06N

Pure floor type,
colorful elevator LCD indicator





Picture type,
colorful elevator LED indicator





Multimedia type,
colorful elevator LCD indicator





PASSENGER ELEVATOR FUNCTION

Standard function

Travel function

VVVF drive	Motor rotating speed can be precisely adjusted to get smooth speed curve in elevator start, travel and stop and gain the sound comfort.
VVVF door operator	Motor rotating speed can be precisely adjusted to get the more gentle and sensitive door machine start / stop.
Independent running	The elevator can not respond to outer calling, but only respond to the command inside the cabin through the action switch.
Automatic pass without stop	When the cabin is crowded with the passengers or the load is close to preset value, the cabin will automatically pass the calling landing in order to keep maximum travel efficiency.
Automatically adjust door opening time	Door-open time can be automatically adjusted according to the difference between landing calling and cabin calling.
Reopen with hall call	In the door shutting process, press reopen with hall call button can restart the door.
Express door closing	When the elevator stops and opens the door, press door-shut button, the door will be closed immediately.
Cabin stop and door open	The elevator decelerates and levels, the door only opens after the elevator comes to a complete stop.
Cabin arrival gong	Arrival gong in the cabin top announces that the passengers arrive.
Command register cancel	If you press the wrong floor command button in the cabin, twice continuous pressing of same button can cancel the registered command.

Safety function

Photocell protection	In the door open and shut period, infrared light that covers the whole door height is used to probe the door protection device of both the passengers and objects.
Designated stop	If the life can not open the door in the destination floor out of some reason, the elevator will close the door and travel to the nex designated floor.
Overload holding stop	When the cabin is overload, the buzzer rings and stops the elevator in the floor.
Anti-stall timer protection	The elevator stops operation due to slippery traction wire rope.
Start protection control	If the elevator does not leave door zone within the designated time after it gets started, it will stop the operation.
Inspection operation	When the elevator enter into inspection, the cabin travels at inching running.
Fault self-diagnosis	The controller can record 62 latest troubles so as to quickly remove the trouble and restore the elevator operation.
Repeated door closing	If the elevator can not close the door due to certain obstacle or interference, the elevator will reopen or re-shut the door until sundries are eliminated.
Up/down over-run and final limit protection	The device can effectively prevent from the elevator's surging to the top or knocking the bottom when it is out of the control. It results in the more safer and reliable elevator travel.
Up over-speed protection device	When the elevator ups 1.2 times higher than rated speed, the device will automatically decelerate or brake the elevator.
Down over-speed protection device	When the elevator downs 1.2 times higher than the rated speed, this device will automatically cut off control mains, stop the motor running so as to stop elevator down at over-speed, and the speed is 1.4 times higher than rated speed, safety gears act to force the elevator stop in order to ensure the safety.

Human-machine interface

Micro-touch button for cabin call and hall call	Novel micro-touch button is used for opeartion panel command button in the cabin and landing calling button.
Floor and direction indicator inside cabin	The cabin shows the elevator floor location and current travel direction.
Floor and direction indicator	The landing shows the elevator floor location and current travel direction.

Emergency function

Emergency cabin lighting	Emergency cabin lighting automatically activated once power failure.
Inching running	When the elevator enters into emergency electric operation, the cabin travels at low speed inching running.
Five-way intercom	Communication amid cabin, cabin top, elevator machine room, well pit and rescue duty room through walkie-talkie.

Energy-saving function

Bell	In emergency conditions, if bell button above cabin opertion panel is continuously pressed, electric bell rings on top of the cabin.
Fire emergency return	If you start key switch in main landing or monitor screen, all the calling will be cancelled. The elevator directly and immediately drives to the designated rescue landing and automatically opens the door.
Cabin ventilation, light automatic shut-off	If there is no calling or command signal within the stipulated time, the cabin fan and lighting will be automatically closed in order to save the energy.
Remote shut-off	The elevator can be called to main landing (after finishing the service) through the key switch and automatically exists the service.

Optional function

Emergency function

Leveling when power failure	In normal power failure, the chargeable battery supplies the elevator power. The elevator drives to the nearest landing.

Travel function

Anti-nuisance	In the light elevator load, when three more commands appear, in order to avoid the unnecessary parking, all the resgistered callings in the cabin will be cancelled.
Open the door in advance	When the elevator decelerates and enters into door open zone, it automatically opens the door to enhance the travel efficiency.
Direct parking	It completely accords with distance principle with no crawling in the leveling. It greatly enhance the travel efficiency.
Group control function	When three or more same model elevator groups are controlled in use, the elevator group can automatically choose the most appropriate response. It avoids the repeated elevator parking, reduces the passenger's waiting time and increases the travel efficiency.
Duplex control	Two sets of same model elevators can unanimously respond the calling signal through the computer dispatch. In this way, it reduces the passenger's waiting time to the greatest extent and enhances the travel efficiency as well.
On-duty peak service	Within the preset on-duty time, upward transport from the home landing is extremely busy. The elevators are continuously dispatched to the home landing in order to satisfy on-duty peak service.
Off-duty peak service	Within the preset off-duty period, the elevators are continuously dispatched to top floor in order to satisfy off-duty peak service.
Door open time extending	Press special button in the cabin, the elevator door keeps open for certain period of time.

Human-machine interface

Voice announcer	When the elevator normally arrives, voice announcer informs the passenges about the relevant information.
Cabin assistant operation box	It is used in the large loading weight elevators or the elevators with crowded passengers so that more and more passengers can use the cabin.
Operation box for the handicapped	It is convenient for the wheelchair passengers and those who have vision problems.
Intelligent calling service	The cabin command or hoistway calling can be locked or connected through special intelligent input.
IC card control function	All(partial) landings can only input cabin commands through IC card after the authorization.

Monitor function

Remote monitor	The elevator long-distance monitor and control can be fulfilled though modem and telephone. It is convenient for the factories and service units to timely know the travel conditions of evrey elevator and promptly take the corresponding measures.
Remote control	The elevator can have independent travel according to the specific requirements through operation monitor screen(optional).
Camera function in the cabin	The camera is installed in the cabin to monitor the cabin conditions.

FREIGHT ELEVATOR FUNCTION

Standard function

Travel function

Group selection control	Group selection controlling without the presence of operator.
Reopen with hall call	In the door shutting process, press reopen with hall call button can restart the door.
Cabin stop and door open	The elevator decelerates and levels, the door only opens after the elevator comes to a complete stop.
Automatic returning to the base station	When the traffic flow is low, elevator without receiving commanding signals will automatically return to the base floor and standby with the door closed.
Directly running	Under the operator's control, after the direct running button is pressed, the elevator only runs directly according to the directives from inside the cabin and does not respond to any calls from outside.
Automatic pass without stop	When the cabin is crowded with the passengers or the load is close to preset value, the cabin will automatically pass the calling landing in order to keep maximum travel efficiency.

Safety function

Repeated door closing	If the elevator can not close the door due to certain obstacle or interference, the elevator will reopen or re-shut the door until sundries are eliminated.
Re-leveling upon power recovery	A power failure might cause the elevator to stop between two floors. However, upon recovery of the power, the cabin automatically moves to the nearest leveling floor.
Overload holding stop	When the cabin is overload, the buzzer rings and stops the elevator in the floor.
Anti-stall timer protection	The elevator stops operation due to slippery traction wire rope.
Start protection control	If the elevator does not leave door zone within the designated time after it gets started, it will stop the operation.
Inspection operation	When the elevator enters into inspection, the cabin travels at inching running.
Up/down over-run and final limit protection	The device can effectively prevent from the elevator's surging to the top or knocking the bottom when it is out of the control. It results in the more safer and reliable elevator travel.
Down over-speed protection device	When the elevator downs 1.2 times higher than the rated speed, this device will automatically cut off control mains, stop the motor running so as to stop elevator down at over-speed, and the speed is 1.4 times higher than rated speed, safety gears act to force the elevator stop in order to ensure the safety.
Up over-speed protection device	When the elevator ups 1.2 times higher than rated speed, the device will automatically decelerate or brake the elevator.
Photocell protection	In the door open and shut period, infrared light that covers the whole door heihgt is used to probe the door protection device of both the passengers and objects.

Emergency function

Emergency cabin lighting	Emergency cabin lighting automatically activated once power failure.
Five-way intercom	Communication amid cabin, cabin top, elevator machine room, well pit and rescue duty room through walkie-talkie.
Bell	In emergency conditions, if bell button above cabin opertion panel is continuously pressed, electric bell rings on top of the cabin.
Fire emergency return	If you start key switch in main landing or monitor screen, all the calling will be cancelled. The elevator directly and immediately drives to the designated rescue landing and automatically opens the door.

Human-machine interface

Micro-touch button for cabin call and hall call	Novel micro-touch button is used for operation panel command button in the cabin and landing calling button.
Floor and direction indicator inside cabin	The cabin shows the elevator floor location and current travel direction.
Floor and direction indicator in hall	The landing shows the elevator floor location and current travel direction.
Cabin assistant operation box	It is used in the large loading weight elevators or the elevators with crowded passengers so that more and more passengers can use the cabin.

Energy-saving function

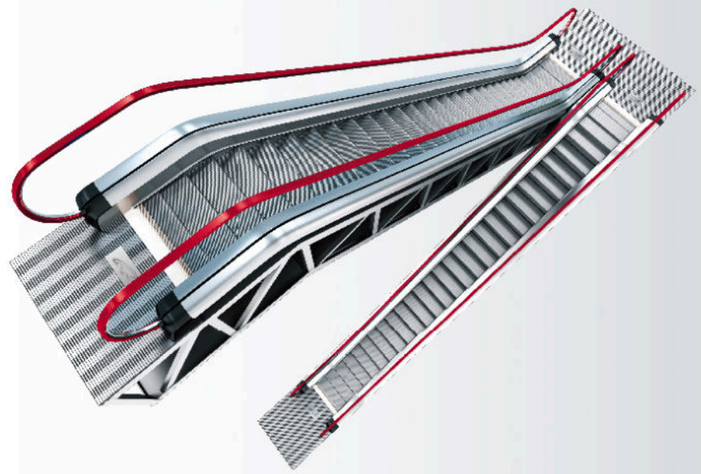
Cabin ventilation, light automatic shut-off	If there is no calling or command signal within the stipulated time, the cabin fan and lighting will be automatically closed in order to save the energy.
Remote shut-off	The elevator can be called to main landing (after finishing the service) through the key switch and automatically exists the service

Optional function

Travel function

Operation control atstations	Through turning the key switch installed on a specific floor (optional), the elevator can be arranged to stop service for a certain floors.
Door open time extending	By pressing a specific button located in the cabin, the door can be kept open for a certain period of time, which facilitated the loading and unleading of goods.





ESCALATOR SUMMARY

SHARP escalator is widely applicable in the occasions with large passenger flow, such as shopping center, supermarket, subway and airport. Escalator is equipped with good features and exquisite structure, superior step, delicate belt, remarkable outline model and so on.

MOVING WALK SUMMARY

SHARP moving walk brings a new simple and comfort shopping level for people. It creates an easy and safe access for people to every place of the building, even equipped with full goods.

Blending technology and fashion, globally recognized as escalator and moving walk specialist. This innovative solution is an asset to any high-quality shopping experience.

Moving walk puts safety in the first place in designing, passes strict test to ensure maximum safety.



HEAVY-DUTY PUBLIC TRANSPORT ESCALATOR

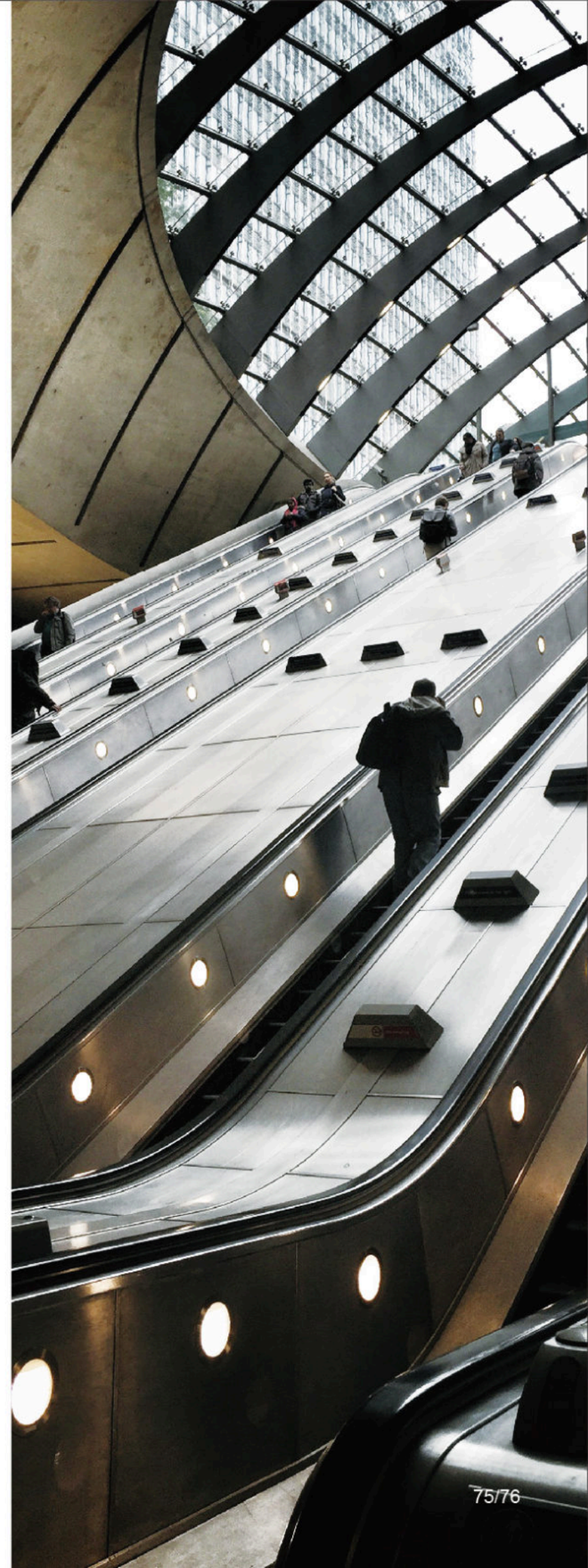


Great blueprint at height

We create an honor in the field of public transport escalator due to the max travelling height 25 meters. Also it extends the production practical application range to a wider field.

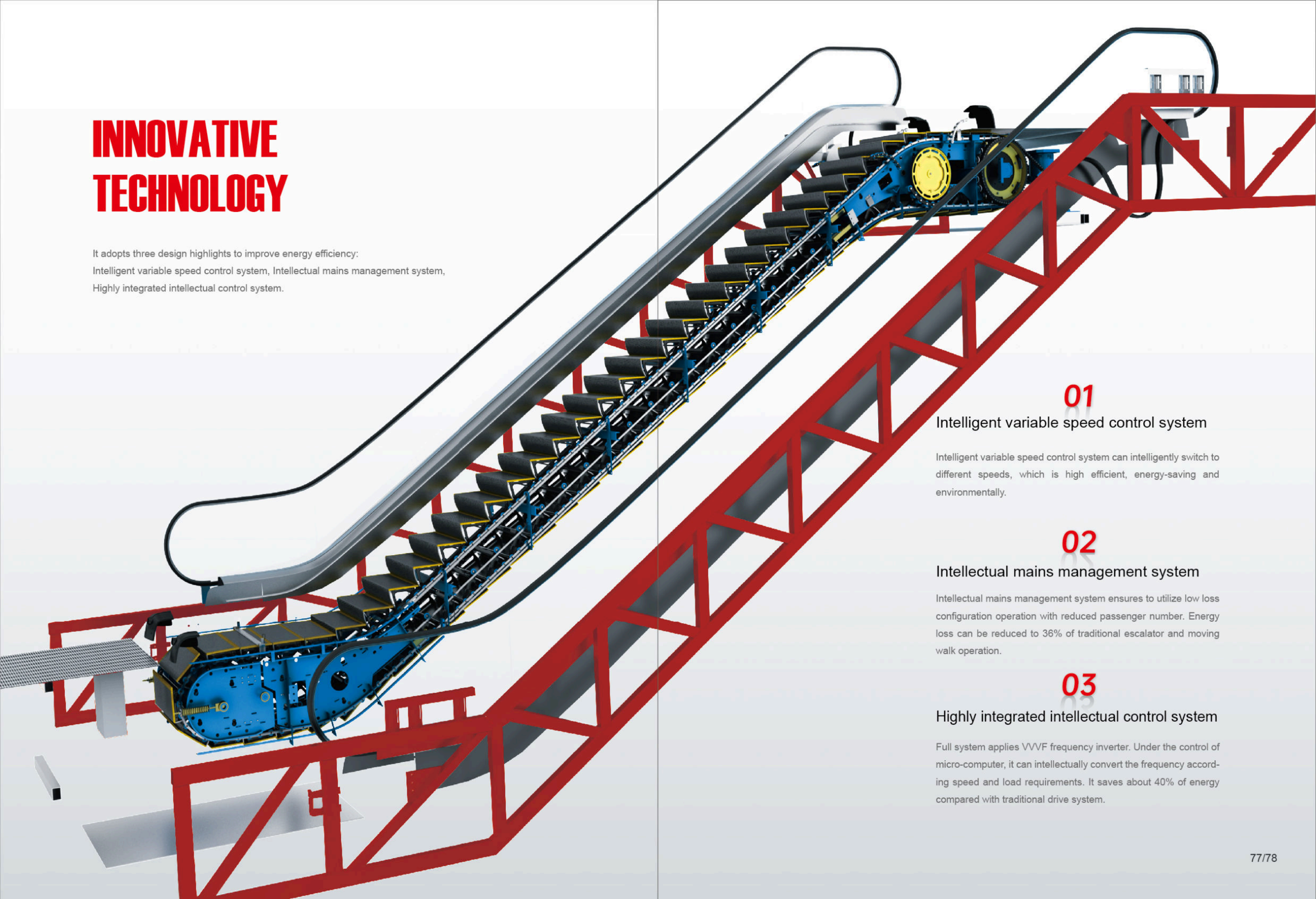
Have a panoramic view of flowing scene

Public transport type escalator integrates aesthetics, safety and environment protection according to the concept “smooth operation”. It is an effective heavy-duty escalator specially designed for public traffic which can endure any harsh environment tests.



INNOVATIVE TECHNOLOGY

It adopts three design highlights to improve energy efficiency:
Intelligent variable speed control system, Intellectual mains management system,
Highly integrated intellectual control system.



01

Intelligent variable speed control system

Intelligent variable speed control system can intelligently switch to different speeds, which is high efficient, energy-saving and environmentally.

02

Intellectual mains management system

Intellectual mains management system ensures to utilize low loss configuration operation with reduced passenger number. Energy loss can be reduced to 36% of traditional escalator and moving walk operation.

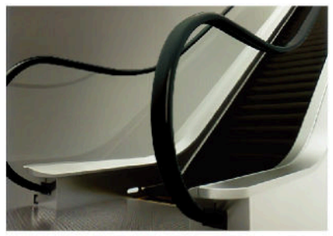
03

Highly integrated intellectual control system

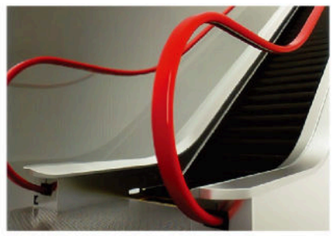
Full system applies VVVF frequency inverter. Under the control of micro-computer, it can intellectually convert the frequency according speed and load requirements. It saves about 40% of energy compared with traditional drive system.



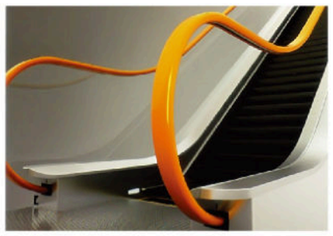
Handrail color



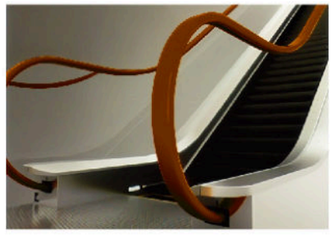
Black (Standard)



Red (Optional)



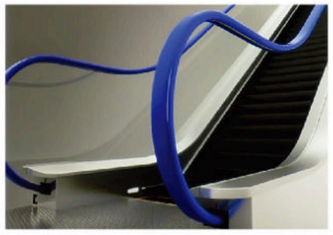
Orange (Optional)



Coffee (Optional)



Silver grey (Optional)



Blue (Optional)

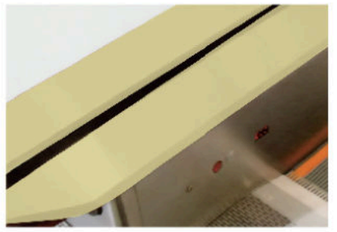
Inner/outer decking



Stainless steel

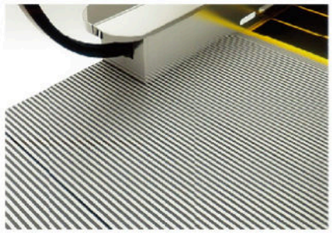


Silver grey painted

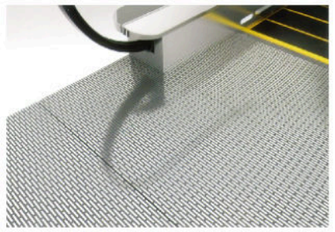


Beige painted

Landing plate

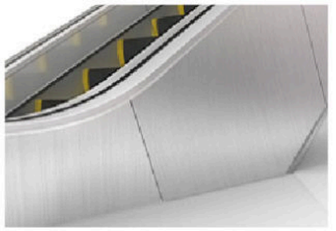


Aluminum alloy (Standard)



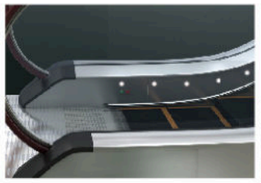
Stainless steel (Optional)

Outer cladding

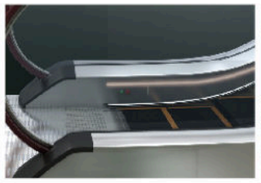


Hairline stainless steel (Optional)

Skirt panel lighting



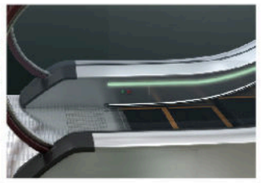
White (Standard)



White (Optional)



Yellow (Optional)

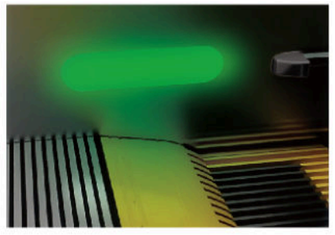


Green (Optional)

Comb lighting

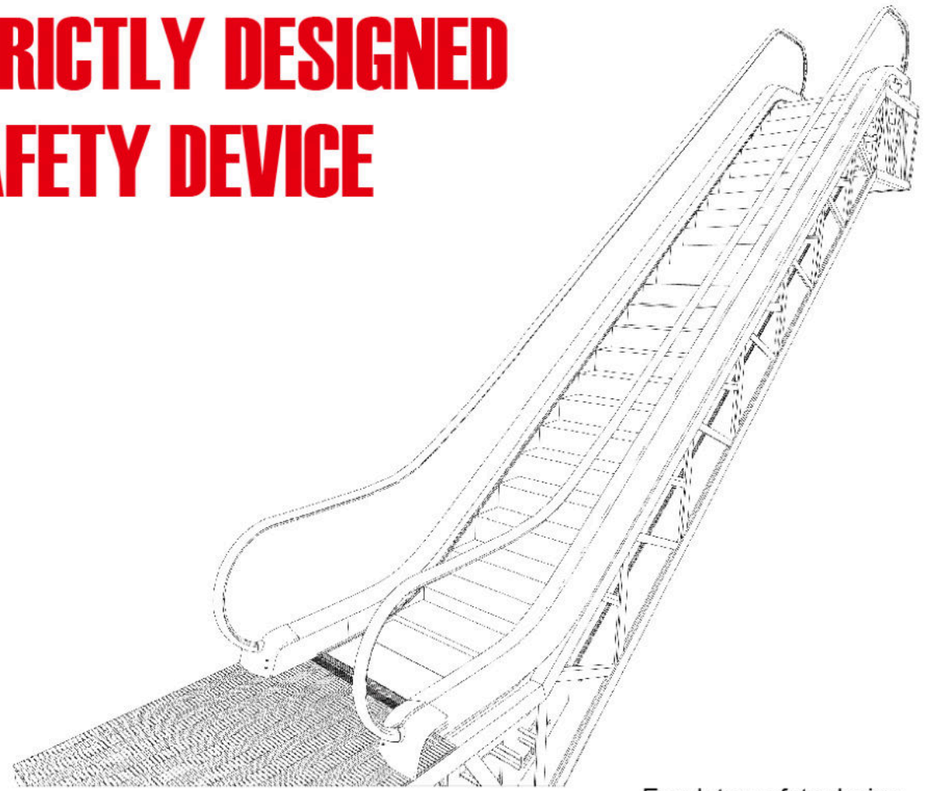


White LED (Optional)



Green LED (Optional)

STRICTLY DESIGNED SAFETY DEVICE



Escalator safety device

Escalator safety device

1. Lack of phase, error phase protection
If lack of phase or error phase has been checked out, the escalator / movine walk will automatically stop the operation.

2. Motor over-load protection
When the current exceeds 15% of the current rating, the escalator / movine walk will automatically stop the operation.

3. Electrical appliance loop protection
It offers the automatic circuit disconnecting device to protect the circuit and main components of the escalator / movine walk.

4. Handrail inlet protection
When some foreign substance has been clipped in the handrail inlet, the escalator / movine walk will automatically stop the operation.

5. Comb plate safety device
When some foreign substance has been clipped in or between the combs, the escalator / movine walk will automatically stop the operation.

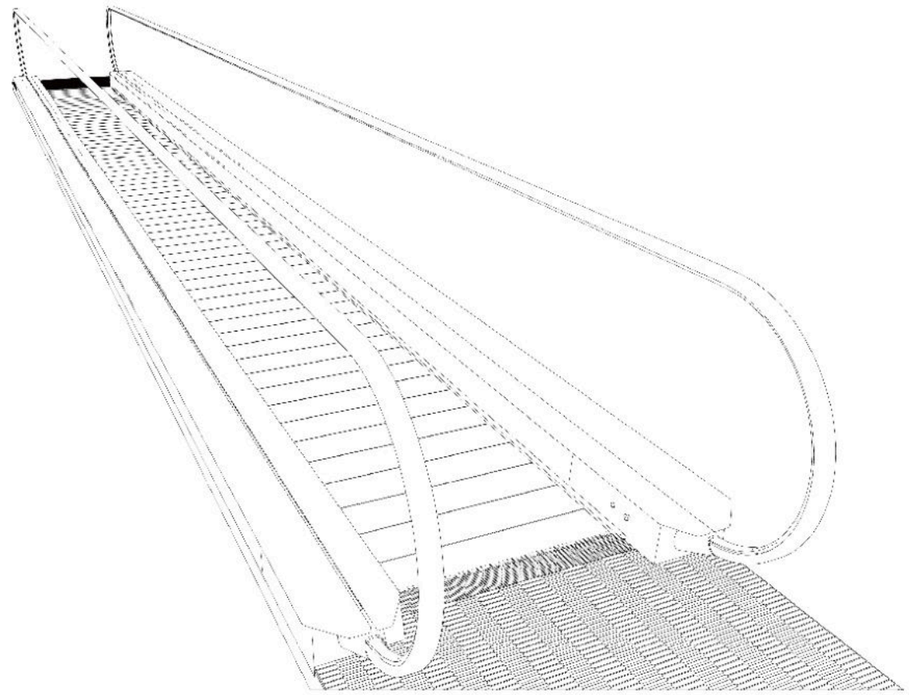
6. Step sagging protection device
When there is abnormal step / pallet bending, the escalator / movine walk will stop the operation before the step / pallet entering into the comb plate.

7. Broken drive-chain safety device
when the drive-chain has been over-stretched or it is broken, the escalator / movine walk will automatically stop the operation.

8. Broken step chain protection
when the step / pallet chain has been over-stretched or broken, the escalator / movine walk will automatically stop the operation.

9. Over-speed protection
When there is over-speed to the escalator / movine walk, it will automatically stop the operation.

10. Direction reversal protection
when it refers to the unintentional reversal of the direction of travel, the escalator / movine walk will automatically stop the operation.



Moving walk safety device

Moving walk safety device

11.Security line
The yellow synthetic resin security line is located in the front position and two sides of the escalator / moving walk tread so that the passengers will not tread in-between the edge of the adjacent step and the lift group lengthened skirt panel. The security line on both sides of the step is higher than the tread surface. (The moving walk offers the selective yellow spray-painted security line.)

12.Emergency stop button
When the button has been pressed down, the escalator / moving walk will stop the operation.

13.Skirt panel protection
When some foreign substance has been clipped in between the skirt panel and the step / pallet, the escalator / moving walk will automatically stop the operation.

14.Brake protection
When some electric force falls short of supply or it acts any of the safety device, the brake function goes into effect by the safety device through the spring resilience action. In this way, the escalator / moving walk stop the operation.

15.Safety inspection switch
It is a safety device to prevent from the escalator / movine walk starting during the inspection and maintenance.

16.Step illumination
Illumination exists in the upper and lower ends of the escalator / movine walk, in the lower part of the step / pallet in order to remind the passengers of the security matters.

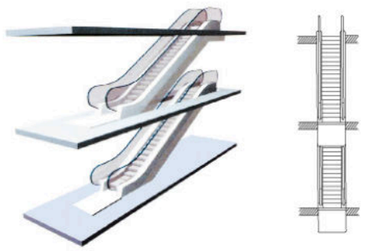
17.Alarm bell starting device
The alarm bell rings when it starts the escalator / movine walk in order to remind the passengers of the security matters.

18.Control device for handrail breakage
When the handrail is broken, the escalator / movine walk will automatically stop the operation.

LAYOUT ARRANGEMENT

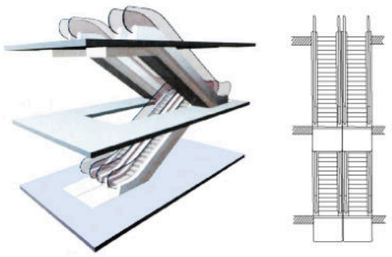
Interrupted arrangement

Such arrangement covers small space with flexible escalator position. It can only fulfill one-way intermittent passenger flow. It is most applicable for small shopping center and supermarket.



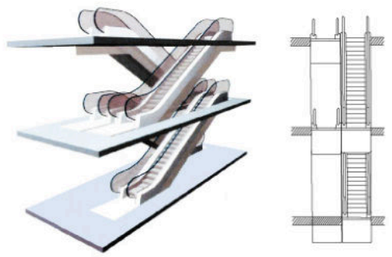
Parallel & continuous arrangement

Such arrangement is mainly applicable for large shopping center and public traffic occasions with large passenger flow. It can fulfill two-way continuously large passenger flow. When the passenger flow peaks unilaterally, it can adjust the running direction of partial escalator in order to meet passenger flow at rush hours. It needs no inside baffle, it is relatively economical.



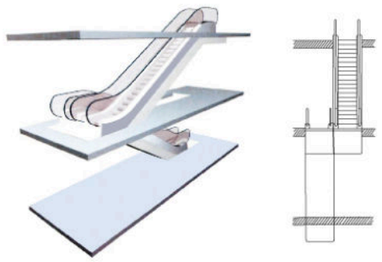
Cross & continuous arrangement

Such arrangement is mainly applicable for large department store and public building. Delivery times between floors in these places should be kept as few as possible.



Continuous arrangement

Such arrangement is bigger than space required by intermittent arrangement. It can fulfill one-way continuous passenger flow. It is most applicable for medium and small department store and shopping center.

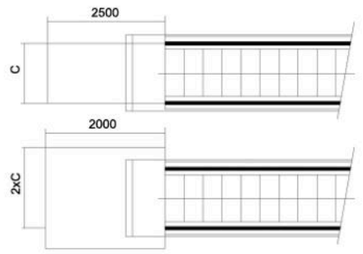


INSTALLATION GUIDANCE

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

• To ensure the use security of the escalator and moving walk, free space should also be large enough in the landing area. (See right minimum size diagram)

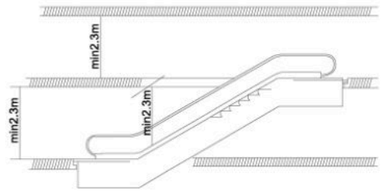
• C=handrail belt width



Vertical safety distance

• There should be at least 2.3m safety distance from any obstacles at any point on the step/pallet.

• 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

• Horizontal safe distance from the outside edge of the handrail to the wall or other obstacles must be more than 80 mm.

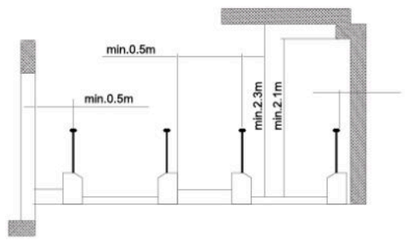
• The vertical safe distance above the step/pallet should be more than 2.3m.

• The vertical safe 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 horizontal safe distance between the handrail center and the object should be more than 0.5m.

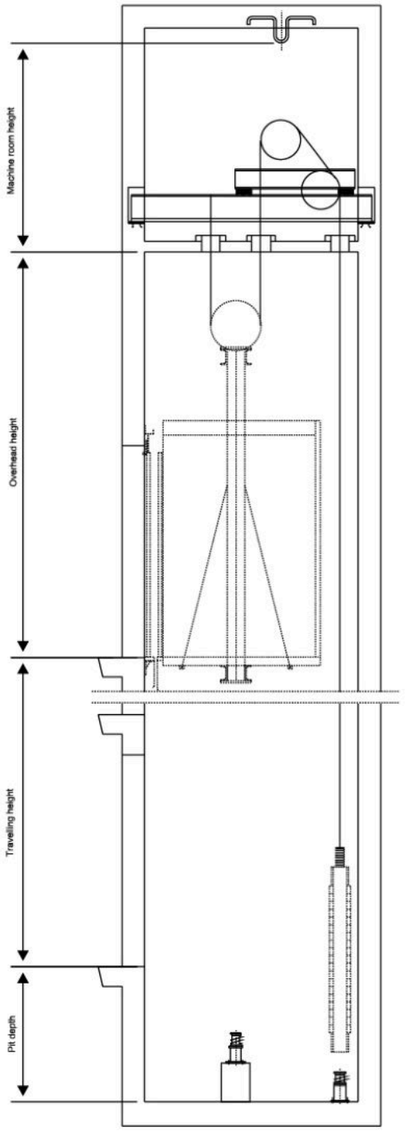
• If the above-mentioned requirements cannot be met, a special protective device and a collision-proof baffle should be set.

• For special protective device and collision-proof baffle, please contact with SHARP Elevators.



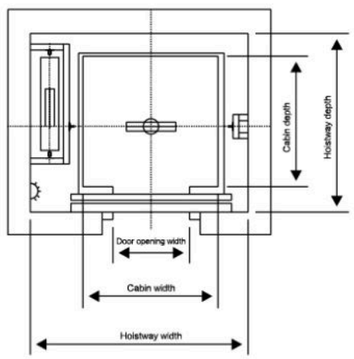
SMALL MACHINE ROOM ELEVATOR CONSTRUCTION PARAMETER

Hoistway elevator



Hoistway and cabin plan

Hoistway and cabin plan



Resident passenger elevator

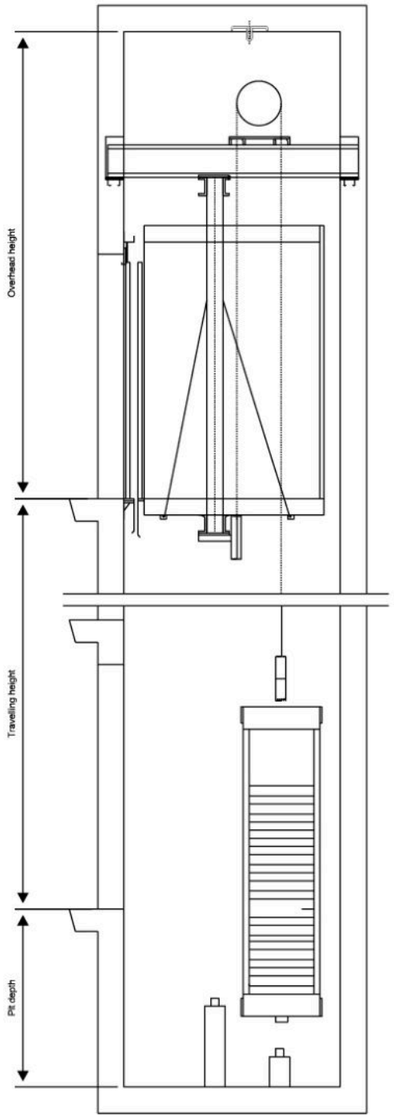
Loading passenger	Loading capacity	Speed	Cabin size	Door size	Hoistway(Min)	Pit depth	Overhead height	Stops (Max)	Rise (Max)
Passenger	(kg)	(m/s)	WxDxH (mm)	WxD (mm)	WxD (mm)	P(Min) (mm)	K(Min) (mm)	Station	HQ(Max) (m)
6	450	1.0	1100x1200x2500	700x2100	1900x1900	1400	4200	20	50
8	630	1.0	1100x1400x2500	800x2100	1950x1950	1600	4200	20	50
		1.5	1100x1400x2500	800x2100	1950x1950	1600	4400	25	70
10	800	1.0	1400x1350x2500	800x2100	1950x2000	1400	4200	20	50
		1.5	1400x1350x2500	800x2100	1950x2000	1600	4400	25	70
		2.0	1400x1350x2500	800x2100	1950x2000	1650	4650	35	105
13	1000	1.0	1600x1500x2500	800x2100	2200x2150	1400	4200	20	50
		1.5	1600x1500x2500	900x2100	2200x2150	1600	4400	25	70
		2.0	1600x1500x2500	900x2100	2200x2150	1650	4650	35	105
16	1350	1.0	1950x1500x2500	1100x2100	2600x2250	1500	4200	20	50
		1.5	1950x1500x2500	1100x2100	2600x2250	1600	4400	25	70
		2.0	1950x1500x2500	1100x2100	2600x2250	1750	4650	35	105

Commercial passenger elevator

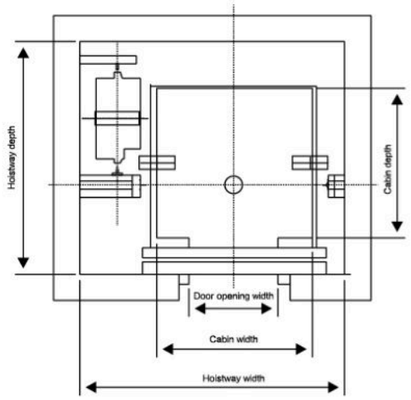
Loading passenger	Loading capacity	Speed	Cabin size	Door size	Hoistway(Min)	Pit depth	Overhead height	Stops (Max)	Rise (Max)
Passenger	(kg)	(m/s)	WxDxH (mm)	WxD (mm)	WxD (mm)	P(Min) (mm)	K(Min) (mm)	Station	HQ(Max) (m)
21	1600	1.0	1950x1750x2500	1100x2100	2600x2500	1500	4500	20	50
		1.5	1950x1750x2500	1100x2100	2600x2500	1600	4500	25	70
		2.0	1950x1750x2500	1100x2100	2600x2500	1800	4800	35	105
26	2000	1.0	1950x1950x2500	1100x2100	2600x2700	1500	4500	20	50
		1.5	1950x1950x2500	1100x2100	2600x2700	1600	4500	25	70
		2.0	1950x1950x2500	1100x2100	2600x2700	1800	4800	35	105

MACHINE ROOMLESS ELEVATOR CONSTRUCTION PARAMETER

Hoistway elevator



Hoistway and cabin plan



Resident passenger elevator

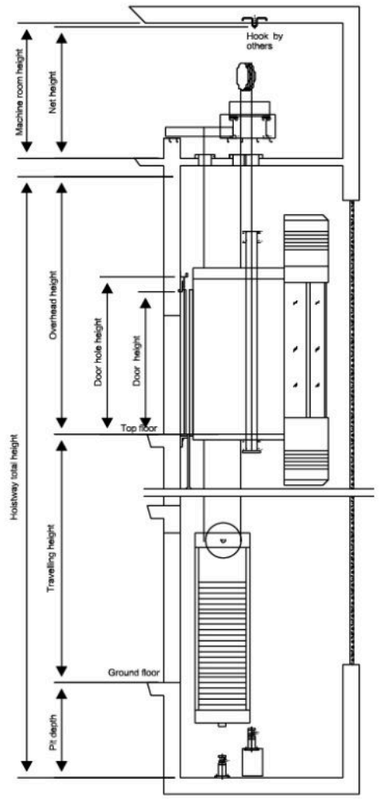
Loading passenger	Loading capacity	Speed	Cabin size	Door size	Hoistway(Min)	Pit depth	Overhead height	Stops (Max)	Rise (Max)
Passenger	(kg)	(m/s)	WxDxH (mm)	WxD (mm)	WxD (mm)	P(Min) (mm)	K(Min) (mm)	Station	HQ(Max) (m)
6	450	1.0	1100x1200x2400	700x2100	1900x1900	1400	3900	15	50
8	630	1.0	1100x1400x2400	800x2100	1950x2000	1400	3900	20	50
		1.5	1100x1400x2400	800x2100	1950x2000	1700	4050	25	70
10	800	1.0	1350x1400x2400	800x2100	2050x2000	1400	3900	20	50
		1.5	1350x1400x2400	800x2100	2050x2000	1700	4050	25	70
		2.0	1350x1400x2400	800x2100	2200x2150	1800	4500	35	120
13	1000	1.0	1600x1500x2400	900x2100	2300x2050	1400	3900	20	50
		1.5	1600x1500x2400	900x2100	2300x2050	1700	4050	25	70
		2.0	1600x1500x2400	900x2100	2450x2200	1800	4500	35	120
16	1350	1.0	1950x1500x2400	1100x2100	3000x2150	1500	4000	20	50
		1.5	1950x1500x2400	1100x2100	3000x2150	1700	4200	25	70
		2.0	1950x1500x2400	1100x2100	3150x2300	1800	4500	35	120
21	1600	1.0	1950x1750x2400	1100x2100	3000x2350	1500	4000	20	50
		1.5	1950x1750x2400	1100x2100	3000x2350	1700	4200	25	70
		2.0	1950x1750x2400	1100x2100	3150x2500	1800	4500	35	120

Commercial passenger elevator

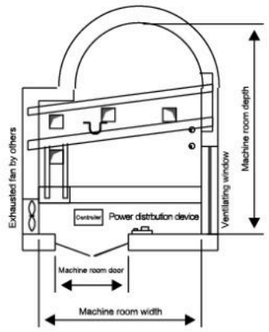
Loading passenger	Loading capacity	Speed	Cabin size	Door size	Hoistway(Min)	Pit depth	Overhead height	Stops (Max)	Rise (Max)
Passenger	(kg)	(m/s)	WxDxH (mm)	WxD (mm)	WxD (mm)	P(Min) (mm)	K(Min) (mm)	Station	HQ(Max) (m)
6	450	1.0	1100x1200x2400	700x2100	2100x1800	1400	4300	15	50
8	630	1.0	1100x1400x2400	800x2100	2100x1900	1600	4300	20	50
		1.5	1100x1400x2400	800x2100	2100x1900	1700	4500	25	70
10	800	1.0	1350x1400x2400	800x2100	2250x1900	1600	4200	20	50
		1.5	1350x1400x2400	800x2100	2250x1900	1700	4400	25	70
		2.0	1350x1400x2400	800x2100	2250x1900	1750	4700	35	105
13	1000	1.0	1600x1500x2400	900x2100	2500x2000	1600	4200	20	50
		1.5	1600x1500x2400	900x2100	2500x2000	1700	4400	25	70
		2.0	1600x1500x2400	900x2100	2500x2000	1750	4700	35	105
16	1350	1.0	1950x1500x2400	1100x2100	3100x2000	1600	4300	20	50
		1.5	1950x1500x2400	1100x2100	3100x2000	1700	4400	25	70
		2.0	1950x1500x2400	1100x2100	3100x2000	1800	4800	35	105
21	1600	1.0	1950x1750x2400	1100x2100	3100x2220	1600	4300	20	50
		1.5	1950x1750x2400	1100x2100	3100x2200	1700	4400	25	70
		2.0	1950x1750x2400	1100x2100	3100x2200	1800	4800	35	105

PANORAMIC ELEVATOR CONSTRUCTION PARAMETER

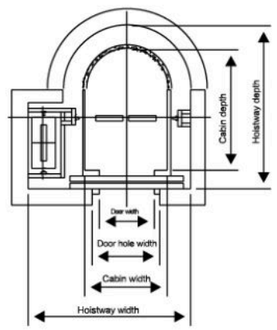
Hoistway elevator



Machine room plan



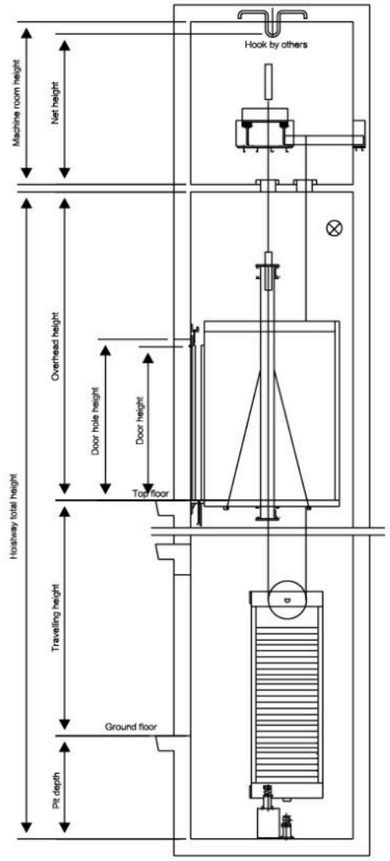
Hoistway plan



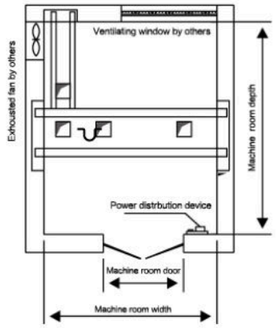
Loading Passenger	Loading capacity (kg)	Speed (m/s)	Cabin size WxDxH (mm)	Door size WxD (mm)	Hoistway WxD (mm)	Pit depth (mm)	Overhead height (mm)	Net size of machine room WxDxH (mm)	Opening mode
8	630	1.0/1.5/2.0	1200x1600x2500	800x2100	2300x2200	1800	4800	3000x3200x2200	Center opening
10	800	1.0/1.5/2.0	1400x1600x2500	800x2100	2400x2200	2000	5000	3000x3500x2400	
13	1000	1.0/1.5/2.0	1400x1800x2500	900x2100	2450x2200	2000	5000	3000x3500x2400	
16	1250	1.0/1.5/2.0	1500x2000x2500	1000x2100	2600x2650	2000	5000	3500x4000x2400	
21	1600	1.0/1.5/2.0	1600x2300x2500	1100x2100	2700x2950	2300	5000	3500x4000x2400	

HOSPITAL ELEVATOR CONSTRUCTION PARAMETER

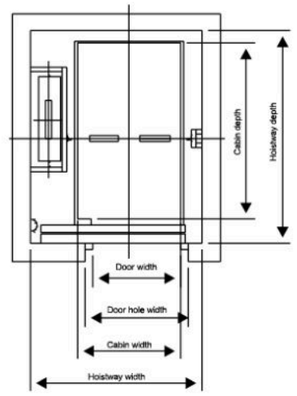
Hoistway elevator



Machine room plan



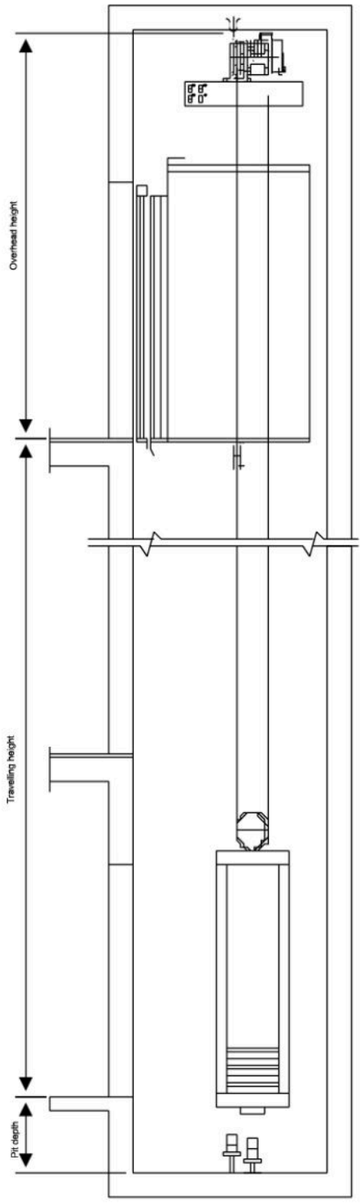
Hoistway plan



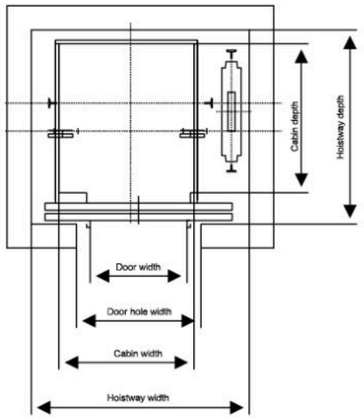
Loading Passenger	Loading capacity (kg)	Speed (m/s)	Cabin size WxDxH (mm)	Door size WxD (mm)	Hoistway WxD (mm)	Pit depth (mm)	Overhead height (mm)	Opening mode
21	1600	1.0	1400x2400x2500	1100x2100	2350x2900	1600	4400	2 panels telescopic opening
		1.5/1.75				1700	4600/4700	
		2.0				2000	4800	
		2.5				2000	5000	
26	2000	1.5	1700x2400x2500	1300x2100	2650x2900	1600	4400	2 panels telescopic opening
		1.5/1.75				1700	4600/4700	
		2.0				2000	4800	
		2.5				2000	5000	

HOME ELEVATOR
CONSTRUCTION PARAMETER

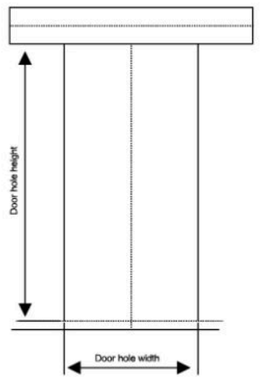
Hoistway elevator



Hoistway and cabin plan



Door hole plan



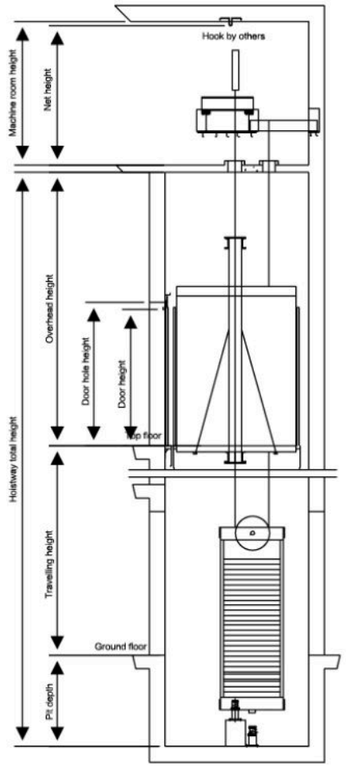
Works that should be finished by owner and construction contractor

1. All the buildings in the well must reach fire protection requirements and should not be decorated with holes unrelated to equipment and power supply.
2. The well must be vertical and the horizontal dimension of the well is minimum clearance dimension and the vertical variation is above 0~+25mm/0~30m,0~+30mm/30m~60m and 0~+50mm/60m.
3. When there exists space available to people on the bottom of the pit , the counterpoise buffer should be installed in solid pile pier or counterpoise emergency hammer should be installed after inquire to elevator manufacturer.
4. Before installing the elevator, all the openings of all the floors must be enclosed with safety protection more than 1.2 meters and be sure to have enough strength.
5. The closed well should be ventilated as per requirements (generally in top and bottom of the well) and its area is not less than 1% of horizontal area of well. The ventilation hole must be set protective net.
6. Life landing door, reserved hole for calling landing and other reserved holes must be backfilled and decorated after finishing installing the elevator.
7. The elevator well is the concrete structure for the best. If well is frame structure, it should set 300 mm height concrete girth in the place of installing rail brackets. If the well is the structure of solid load - bearing brick well, it should set 300 mm height concrete girder as wide as the well on the upper and lower bank of each reserved ole of hall door in each floor.
8. When space of adjacent landing sills is more than 11 meters, there should be set emergency exist closed to the well and the dimension of the well is less than 350 mm width and 1800 mm height.
9. The bottom hold should water proof. In case of sump, it should set at the corner.
10. As per requirements in technical parameters, the power supply to machine room should have switch with protection belt and locked . Fluctuation range of power supply should not be mor than ± 7%. The null line and ground wire of power supply should be divided and the ground resistance value should not be more than 4Ω.
11. All the loads specified in the picture contain shock correction, unless stated otherwise. The strength of well wall and bottom hole should bear all the forces stated.
12. Items of Handled by ours (ladder stand and pre-buried steel plate, etc.)stated in the picture should be set in advance.
13. The temperature in machine room should be kept in 5 ~ 40 ℃. The machine room must be flat and bear more than 7.0 KN of standard uniform load per square meter. When the ground level of machine room is different and differs more than 500 mm, stair or steps and guardrail should be set.
14. User should set rescue duty room and lay one line of 6 core cables to machine room (it is recommended to use shielded/twisted pair) and the diameter of each core id not less than 0.75 square millimeters.

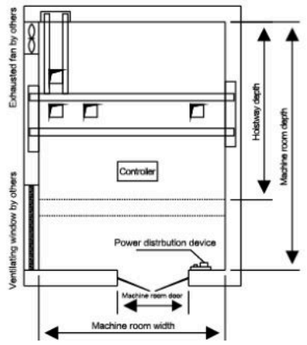
Loading Passenger	Loading capacity (kg)	Speed (m/s)	Cabin size WxDxH (mm)	Door size WxD (mm)	Hoistway WxD (mm)	Pit depth (mm)	Overhead height (mm)	Power supply	Opening mode
4	320	0.4	1400x750x2100	800x2000	1700x1500	500	3200	Single-phase 220V or three -phase 380V	Center opening
			850x1200x2100	800x2000	1550x1600				2 panels telescopic opening
5	400	0.4	1400x850x2100	800x2000	1700x1600	500	3200		Center opening
			900x1200x2100	800x2000	1600x1600				2 panels telescopic opening

FREIGHT ELEVATOR CONSTRUCTION PARAMETER

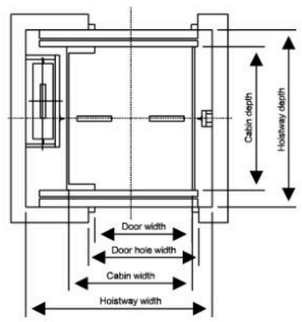
Hoistway elevator



Machine room plan



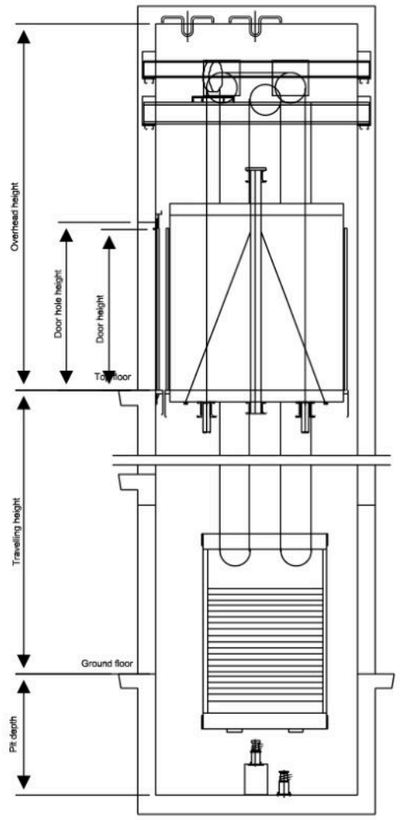
Hoistway plan



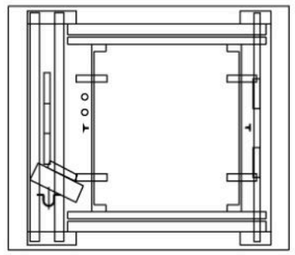
Loading capacity (kg)	Speed (m/s)	Cabin size WxDxH (mm)	Door size WxD (mm)	Hoistway WxD (mm)	Pit depth (mm)	Overhead height (mm)	Net size of machine room WxDxH (mm)	Opening mode
630	0.5	1100x1500x2200	900x2100	2000x2100	1400	4200	3000x3000x2200	2 panels center opening
1000	0.5	1300x1800x2200	1000x2100	2200x2300	1400	4200	3000x3500x2200	
1600	0.5	1600x2200x2200	1300x2100	2500x2700	1400	4500	3500x4000x2300	
2000	0.5	1600x2600x2200	1300x2100	2500x3200	1400	4500	3500x4200x2300	
		1900x2200x2200	1500x2100	2800x2700				
3000	0.5	2200x2700x2200	1800x2100	3300x3200	1700	4500	3800x4200x2400	4 panels center opening
5000	0.25/0.5	2400x3600x2200	2000x2100	3800x4200	1700	5000	3800x4200x2600	
		2800x3200x2200	2400x2200	4200x3700		5500	4200x3800x2600	
6000	0.25/0.5	2600x4000x2500	2200x2400	4000x4600	1800	5800	4000x4600x3000	
8000	0.25/0.5	3000x4500x2500	2600x2400	4500x5000	1800	6200	4500x5100x3000	
10000	0.25/0.5	3400x4500x2500	2600x2400	5000x5600	1800	6200	6200x5600x3000	

MACHINE ROOMLESS FREIGHT ELEVATOR CONSTRUCTION PARAMETER

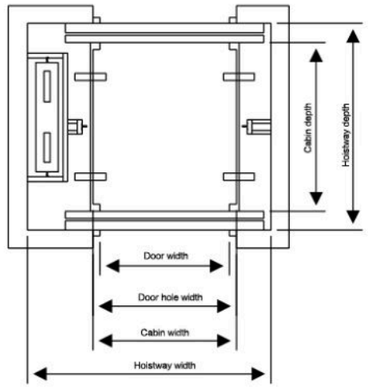
Hoistway elevator



Machine room plan



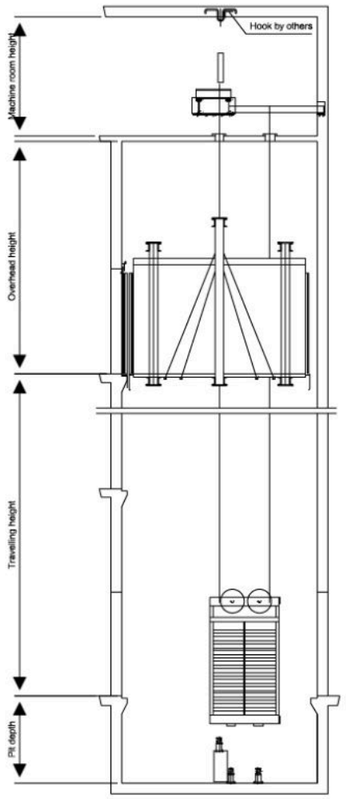
Hoistway plan



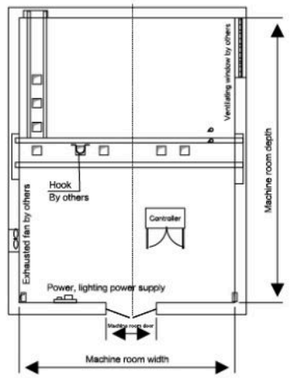
Loading capacity (kg)	Speed (m/s)	Cabin size WxDxH (mm)	Door size WxD (mm)	Hoistway WxD (mm)	Pit depth (mm)	Overhead height (mm)	Opening mode
1000	0.5	1600x1500x2200	1300x2100	2600x2100	1700	4200	2 panels telescopic opening
1600	0.5	1600x2200x2200	1300x2100	3000x2800	1700	4500	
2000	0.5	1900x2200x2200	1500x2100	3300x2800	1700	4500	
3000	0.5	2200x2700x2200	1800x2100	3700x3200	1700	4800	4 panels center opening
5000	0.5	2400x3600x2200	2000x2100	4100x4100	1800	5500	

CAR ELEVATOR
CONSTRUCTION PARAMETER

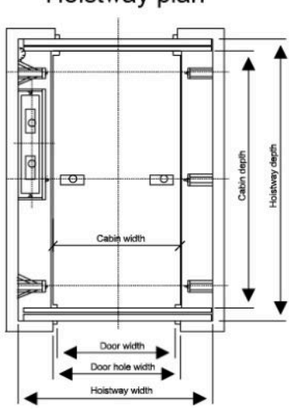
Hoistway elevator



Machine room plan



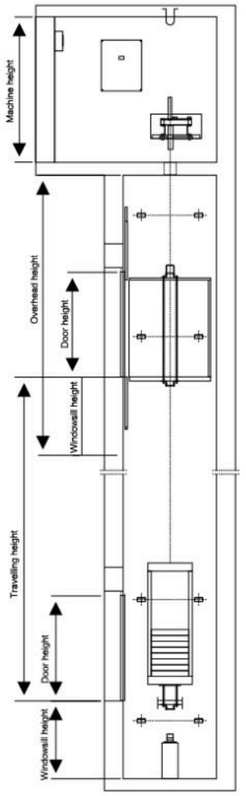
Hoistway plan



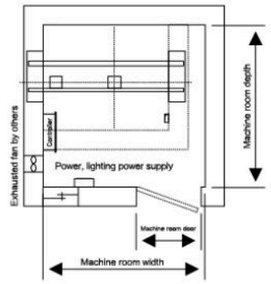
Loading capacity (kg)	Speed (m/s)	Door size WxD (mm)	Cabin size WxDxH (mm)	Hoistway WxD (mm)	Net size of machine room WxDxH (mm)	Overhead height (mm)	Pit depth (mm)	Top leveling station
3000	0.5	2700x2200	2700x5500x2200	4300x6150	4300x6150x3000	5100	1700	12
5000	0.5	2700x2200	2700x6000x2200	4300x6650	4300x6650x3000	5100	1700	5

DUMBWAITER ELEVATOR
CONSTRUCTION PARAMETER

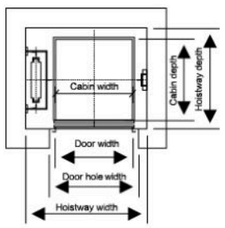
Hoistway elevator



Machine room plan

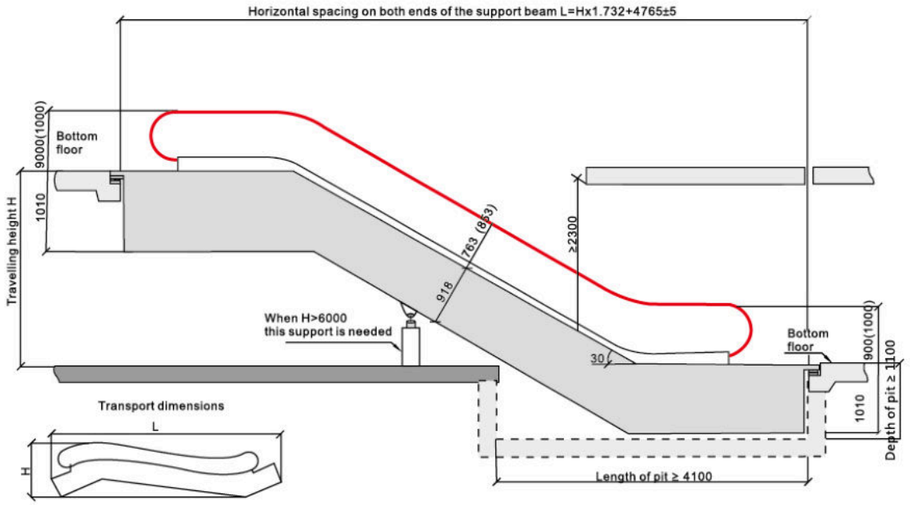


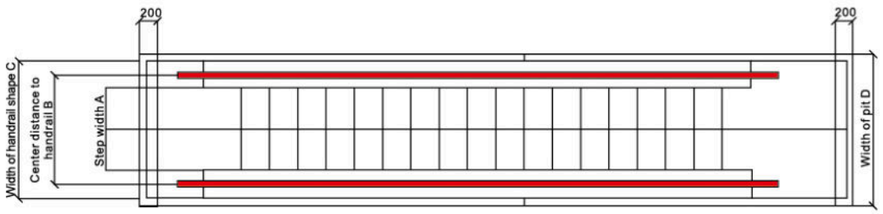
Hoistway plan



Loading capacity (kg)	Speed (m/s)	Cabin size WxD (mm)	Cabin size WxD (mm)	Door size WxD (mm)	Hoistway WxD (mm)	Pit depth (mm)	Overhead height (mm)	Net size of machine room WxDxH (mm)	Opening mode
100	0.4	700x1000	700x1000	650x1200	1260x1200	1000	2800	1500x1800x1800	Bi-parting opening
200	0.4	1050x1000	1000x950	950x1200	1560x1200	1000	2800	1800x1800x1800	
250	0.4	1100x1050	1050x1000	950x1200	1560x1200	1000	2800	1800x1800x1800	
300	0.4	1200x1100	1100x1000	950x1200	1100x1300	1000	2800	1800x1800x1800	

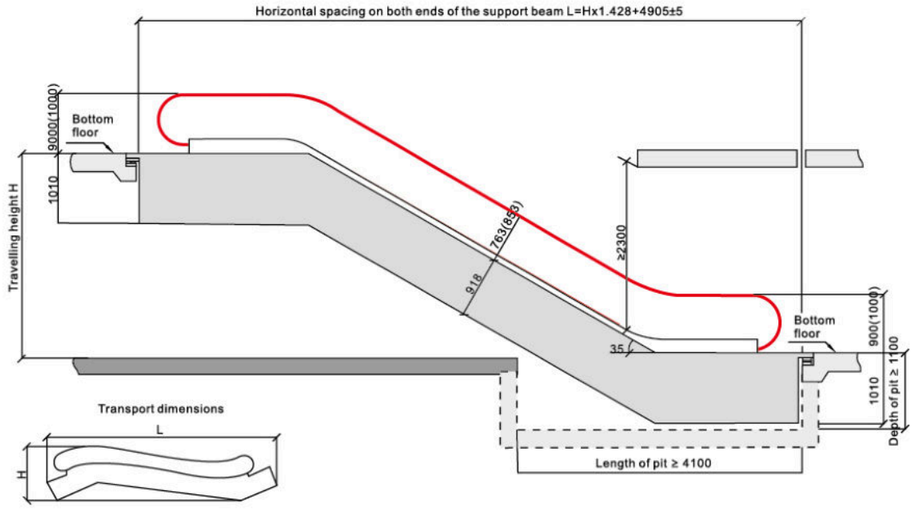
30° ESCALATOR
CONSTRUCTION PARAMETER

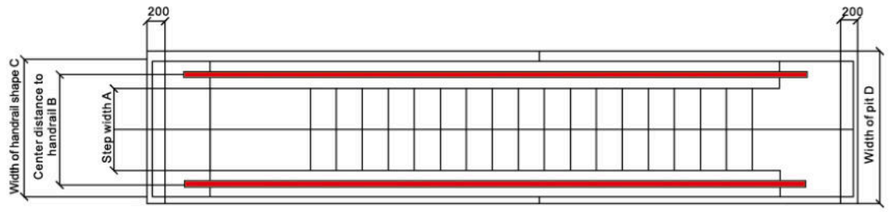




Travelling height H (mm)	Speed V (m/s)	Step width A (mm)	Angle of inclination (°)	Level step	Power of driving motor (kw)	Center distance of handrail B (mm)	Width of handrail shape C (mm)	Width of pit D (mm)	Transport dimensions H	Transport dimensions L
3000 ≤ H ≤ 6000	0.5	600	30	2(3)	5.5/8	838	1200	≥1200	≤2870	≤16860
6000 ≤ H ≤ 10000				3	11				Transported by two stages	
3000 ≤ H ≤ 5600	0.5	800	30	2(3)	8	1038	1400	≥1400	≤2870	≤16860
5600 ≤ H ≤ 7500				2(3)	11				Transported by two stages	
7500 ≤ H ≤ 10000				3	15					
3000 ≤ H ≤ 4600	0.5	1000	30	2(3)	8	1238	1660	≥1660	≤2870	≤16860
4600 ≤ H ≤ 5600				2(3)	11					
5600 ≤ H ≤ 7500				3	15				Transported by two stages	
7500 ≤ H ≤ 10000				3	2x11					

35° ESCALATOR
CONSTRUCTION PARAMETER



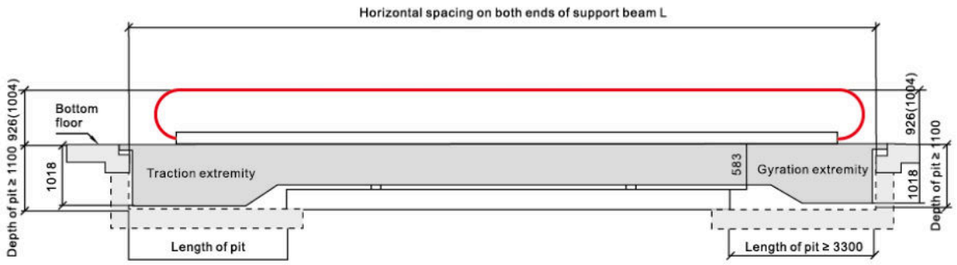


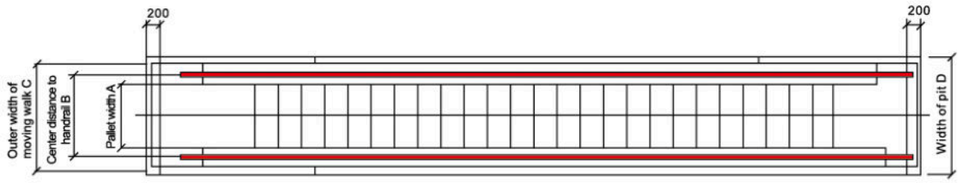
Instruction

1. When ladder is installed above the second floor, the pit is cancelled and bottom structure of the construction should be symmetric to the upper structure.
2. There are sufficient smooth area in entrance and exit of escalator and its width is not less than 1238 mm and the depth from turning end of handrail to front barriers should not be less than 2500 mm.
3. The distance from escalator to any barrier is not less than 500 mm.
4. Users provide grounding device less than 4 ohm of resistance and power supply is provided by users to switch of escalator should be three phases and five wires.

Travelling height H (mm)	Speed V (m/s)	Step width A (mm)	Angle of inclination (°)	Level step (mm)	Power of driving motor (kw)	Center distance of handrail B (mm)	Width of handrail shape C (mm)	Width of pit D (mm)	Transport dimensions H	Transport dimensions L
3000 ≤ H ≤ 6000	0.5	600	35	2	8	838	1200	≥1260	≤3000	≤15330
3000 ≤ H ≤ 5200	0.5	800	35	2	8	1038	1400	≥1460	≤3000	≤15330
5200 ≤ H ≤ 6000					11					
3000 ≤ H ≤ 5200	0.5	1000	35	2	8	1238	1600	≥1660	≤3000	≤15330
5200 ≤ H ≤ 6000					11					

0° MOVING WALK
CONSTRUCTION PARAMETER



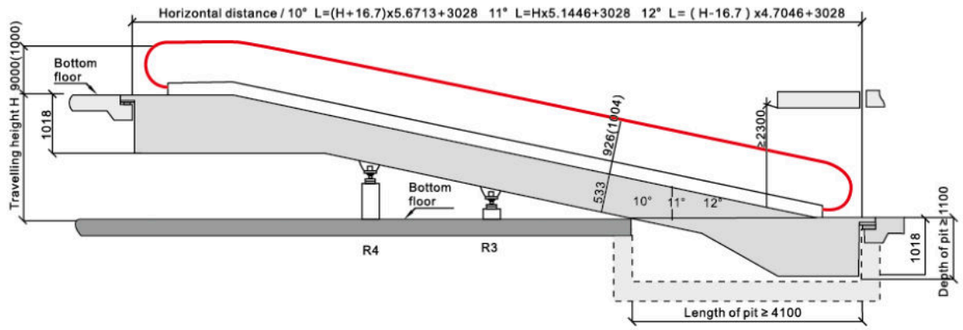


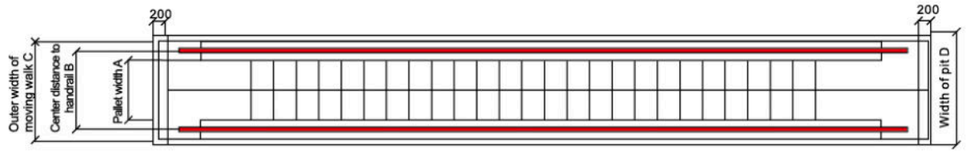
Instruction

1. When using temperature is less than 0℃ (outdoor or semi outdoor), heater should be increased. And consult manufacturer for the total power of the heater.
2. There are sufficient smooth area in entrance and exit of moving walk and its width is at least distance of center line of handrail and the depth from turning end of handrail is at least 25 m. If the width is twice longer than center distance of handrail, and its depth is allowed to be reduced by 2 m.
3. In case of pit, water-proof treatments should be done and handled by users.
4. The distance from automatic side ways to any barrier is ≥500, otherwise protection plate should be added to triangle place of handrail and floor and it should be handled by users.
5. Users provide power and grounding device less than 4 ohm of resistance, upper bearing beam and reserve 2 m of inlet wire allowance.
6. If middle support bearing beam adopts steel structure, consult manufacturer.
7. The decoration of moving walk and field should be made by users.

Travelling height H (mm)	Speed V	Pallet width A (mm)	Angle of inclination (°)	Power of driving motor (kw)	Center distance of handrail B (mm)	Width of handrail shape C (mm)	Width of pit D (mm)
10000 ≤ L ≤ 80000	0.5	800	0-6	8	1038	1400	≥1460
80000 ≤ L ≤110000				11			
10000 ≤ L ≤ 80000	0.5	1000	0-6	8	1238	1600	≥1660
80000 ≤ L ≤110000				11			

10°-12° MOVING WALK
CONSTRUCTION PARAMETER





Travelling height H (mm)	Speed V (m/s)	Pallet width A (mm)	Angle of inclination (°)	Power of driving motor (kw)	Center distance of handrail B (mm)	Width of handrail shape C (mm)	Width of pit D (mm)
2000 ≤ H ≤ 4200	0.5	800	10	8	1038	1400	1460
4200 ≤ H ≤ 5900				11			
5900 ≤ H ≤ 7500				15			
7500 ≤ H ≤ 8500				2x11			
2000 ≤ H ≤ 4200	0.5	1000	10	8/11	1238	1600	1660
4200 ≤ H ≤ 5900				15			
5900 ≤ H ≤ 6400				2x11			
6500 ≤ H ≤ 8500				2x15			
2000 ≤ H ≤ 4200	0.5	800	11	8	1038	1400	1460
4200 ≤ H ≤ 5900				11			
5900 ≤ H ≤ 6400				15			
6500 ≤ H ≤ 8500				2x11			
2000 ≤ H ≤ 4200	0.5	1000	11	8/11	1238	1600	1660
4200 ≤ H ≤ 5900				15			
5900 ≤ H ≤ 6400				2x11			
6500 ≤ H ≤ 8500				2x15			
2000 ≤ H ≤ 4200	0.5	800	12	8	1038	1400	1460
4200 ≤ H ≤ 5900				11			
5900 ≤ H ≤ 6400				15			
6500 ≤ H ≤ 8500				2x11			
2000 ≤ H ≤ 4200	0.5	1000	12	8/11	1238	1600	1660
4200 ≤ H ≤ 5900				15			
5900 ≤ H ≤ 6400				2x11			
6500 ≤ H ≤ 8500				2x15			

SHARP Elevators

HK CHINA

CHINA

KOREA



SEBO

WE ALL HERE

Sole Director: Michael Jonson