



LIFT YOUR LIFE UP










Encoder Technology

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INTEGATED PRODUCT

-  Passenger lift
-  Observation lift
-  Home lift
-  Hospital lift
-  Freight lift
-  Car lift
-  Sundries lift
-  Escalator
-  Moving walk



CATALOG

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- 45-46 Escalator / Moving walk
Functions



COMPANY PROFILE

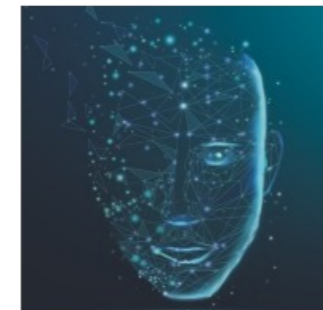
ENCODER TECHNOLOGY

INNOVATION TECHNOLOGY



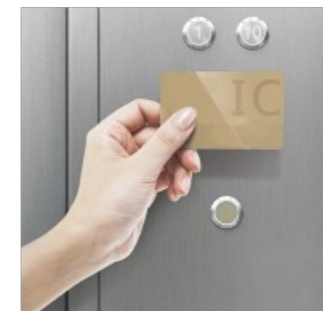
Mobile app elevator system

Passengers can perform remote call operations through the mobile terminal app software to implement the network cloud call function and prevent passengers from touching the buttons.



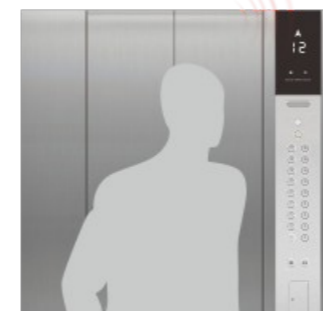
Face recognition ride system

An elevator riding system based on a facial feature recognition method includes face collection registration and terminal recognition to restrict authorized users from riding.



Ic card system

The intelligent IC card control elevator system integrates computer technology, network technology, automatic control technology and IC card induction technology, which greatly improves the safety of the elevator.



Voice call elevator system

The voice call system receives the passenger call voice through the voice integration box, analyzes the converted data, and outputs the data to the car serial communication board to automatically select the destination layer and other operations.

EFFICIENT ENERGY SAVING

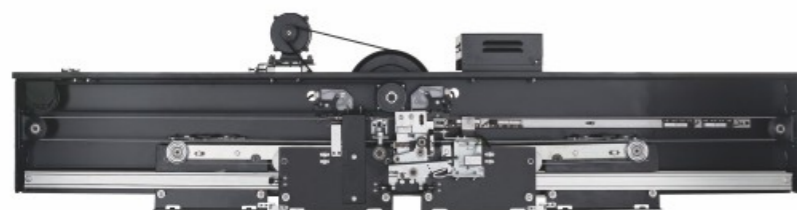
Permanent magnet synchronization Gearless traction machine

Adopts permanent magnet synchronous gearless traction machine to develop a new generation of energy-saving elevator. Its core technology successfully developed based on environmental protection concepts represents the future development direction of elevators. Energy-saving, space-saving, reducing building construction costs and elevator operating costs are the biggest features of this core technology leading the industry.



Group control management system

That is, the centralized control of multiple elevators, the system uses the best algorithm to calculate and allocate which elevator responds to the call signal most quickly, economically and reasonably at every moment, thereby greatly improving the transportation efficiency of elevators, reducing the waiting time of passengers.



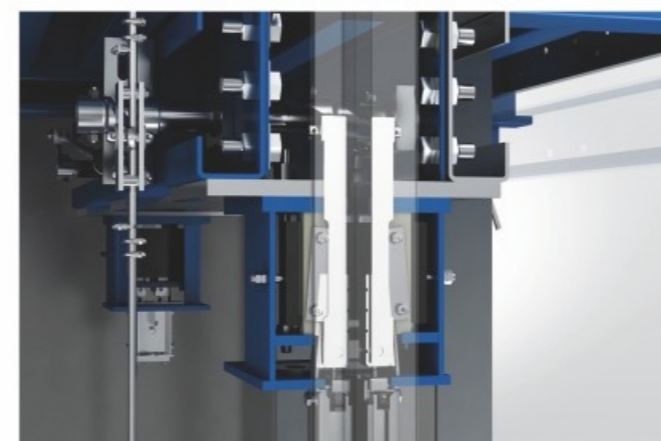
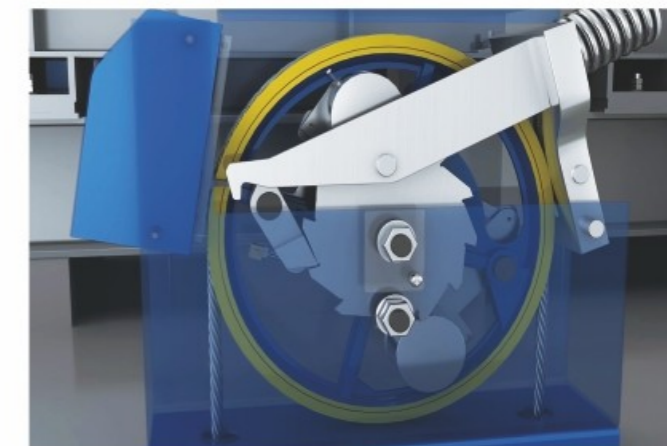
VVVF variable frequency asynchronous door machine system

Applies the advanced VVVF variable voltage and variable frequency control technology to the elevator door operator system so as to ensure the smooth elevator door and quiet switch. What is more, the self-learning door load detector increases the sensitivity of the elevator door switching on/off. It monitors the variation of elevator door load on every floor. Automatically rectifying the most appropriate open/shut speed in every floor so as to guarantee the security and reliability.

SECURITY GUARANTEES

Speed limiter

Real-time monitoring and control of the car's running speed is precise, accurate and stable. When the elevator car is going down and overspeeding, the overspeed governor pulls the safety gear on the lower side of the car through the wire rope to stop the car to the guide rail to protect the down speed effect.



Progressive safety gear

Responsive and accurate braking, and can smoothly brake the car at a lower speed, which improves braking comfort, safeguard the safety of elevator operation.

Hydraulic buffer

It has high-strength resistance and buffering effect. When the car or counterweight hits the bottom of the top pier, the buffer will absorb the kinetic energy of the car or counterweight, and make it reasonably slow down and stop safely within the set distance, improve protection for elevator operation



SMALL MACHINE ROOM PASSENGER ELEVATOR

ENCODER
TECHNOLOGY

Small machine room passenger elevator

In order to save the building space, extend the larger space utilization rate of the construction, bring about the more sensitive and reliable running, the more graceful and attractive building, Small machine room passenger elevator applies the compact and concentrative permanent magnet synchronous and gearless traction machine and specially-designed control cabinet. There machine room has same area as that of the well.

Intelligent Control System

Ensuring the intelligent elevator operation in the guarantee of security, comfortable experience.

High Performance Gearless Traction Machine

Using non mechanical transmission design of high efficiency permanent magnet synchronous, low noise, vibration small, compact, energy-saving up to 40%.

Door Protection

Waterproof grade IP 65 light curtain protection system, more than 154 light beams ensure the safety of passengers.

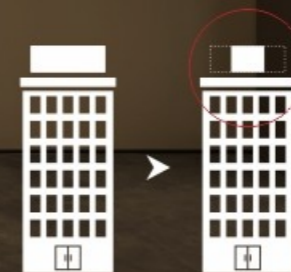
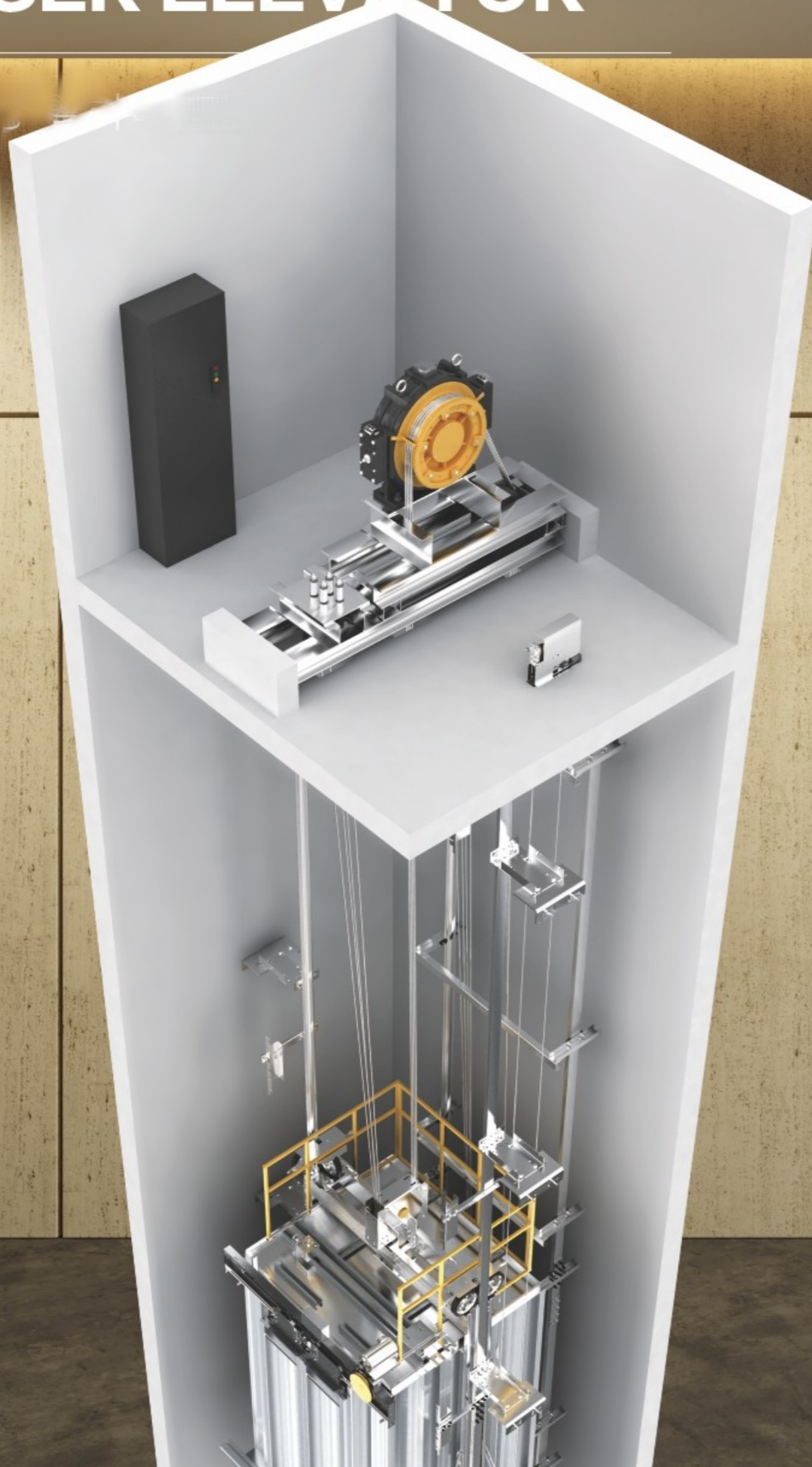
Comfortable Riding

Frame type car enclosure protection, secures leveling stability, adding more safety. Using inner car height 2.5m, with LED natural lighting, more optional decoration suits for VIP.

LARGE
SPACE

LOW
CONSUMPTION

FINE
DESIGN



Use valuable building space efficiently

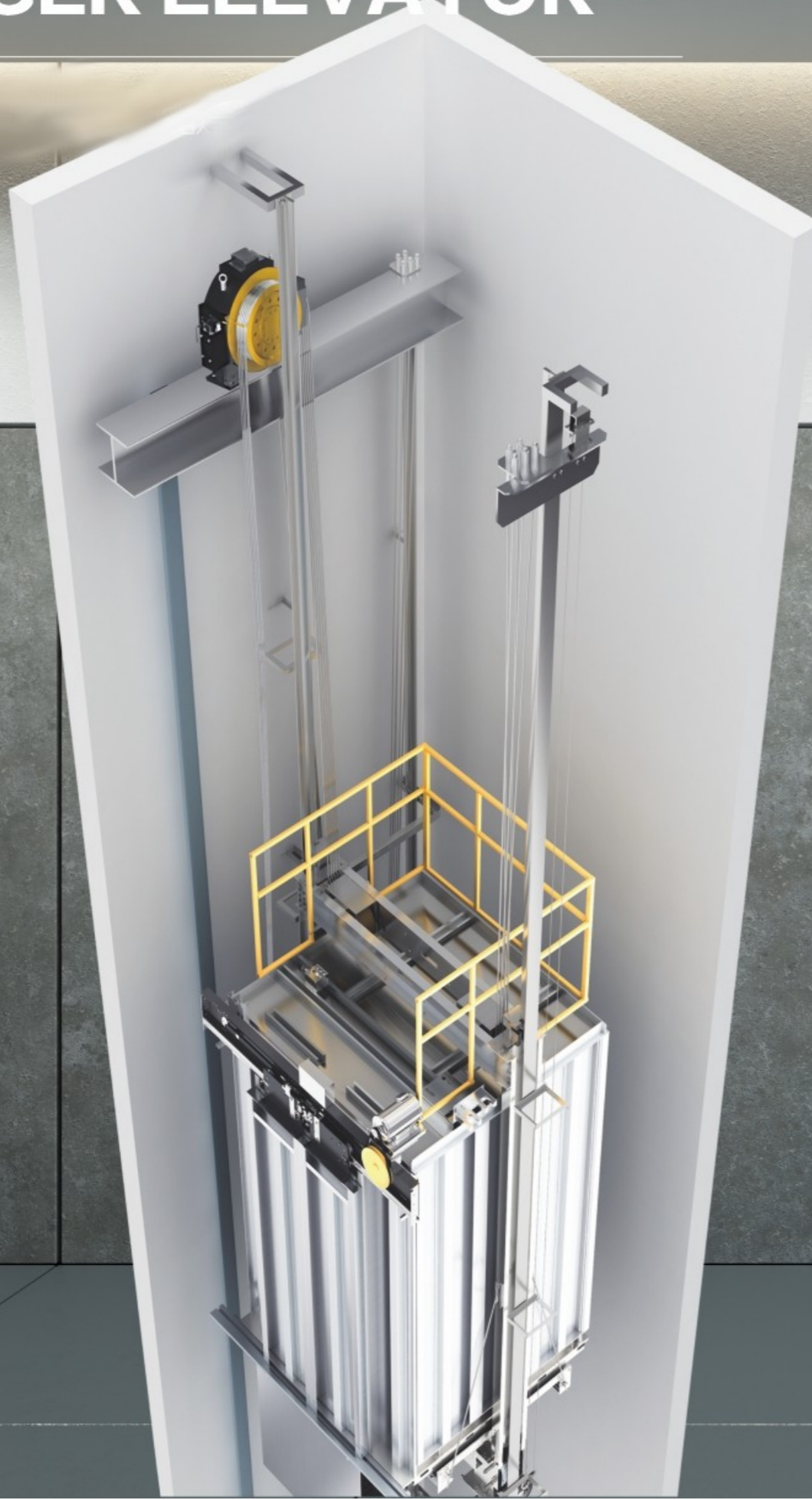
MACHINE ROOMLESS PASSENGER ELEVATOR

ENCODER TECHNOLOGY

SPACE
SAVING

ENERGY
SAVING

MUTE
RUNNING



Machine roomless passenger elevator

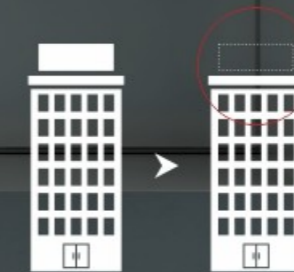
Machine roomless elevator incorporates the idea of environmental protection and energy saving, saving, saves building areas and raises design freedom, embodying fully green humanistic ideas. Compared with toothed gear elevators of the same weight, it saves 25% electricity and 10% building area. Elevator breaks the requirements for traditional elevators to be equipped with a machine room and provides infinite possibility to create in a limited space in modern buildings.

Advanced Traction Machine

Its ultra small and ultra light appearance design is applicable for machine room-less elevator shaft, and the new brake device and noise reduction processing can further minimize noise of the elevator.

Control System

Machine room-less control system can carry on the data processing more efficiently and easily meet the strict requirements for precision control and group control management.



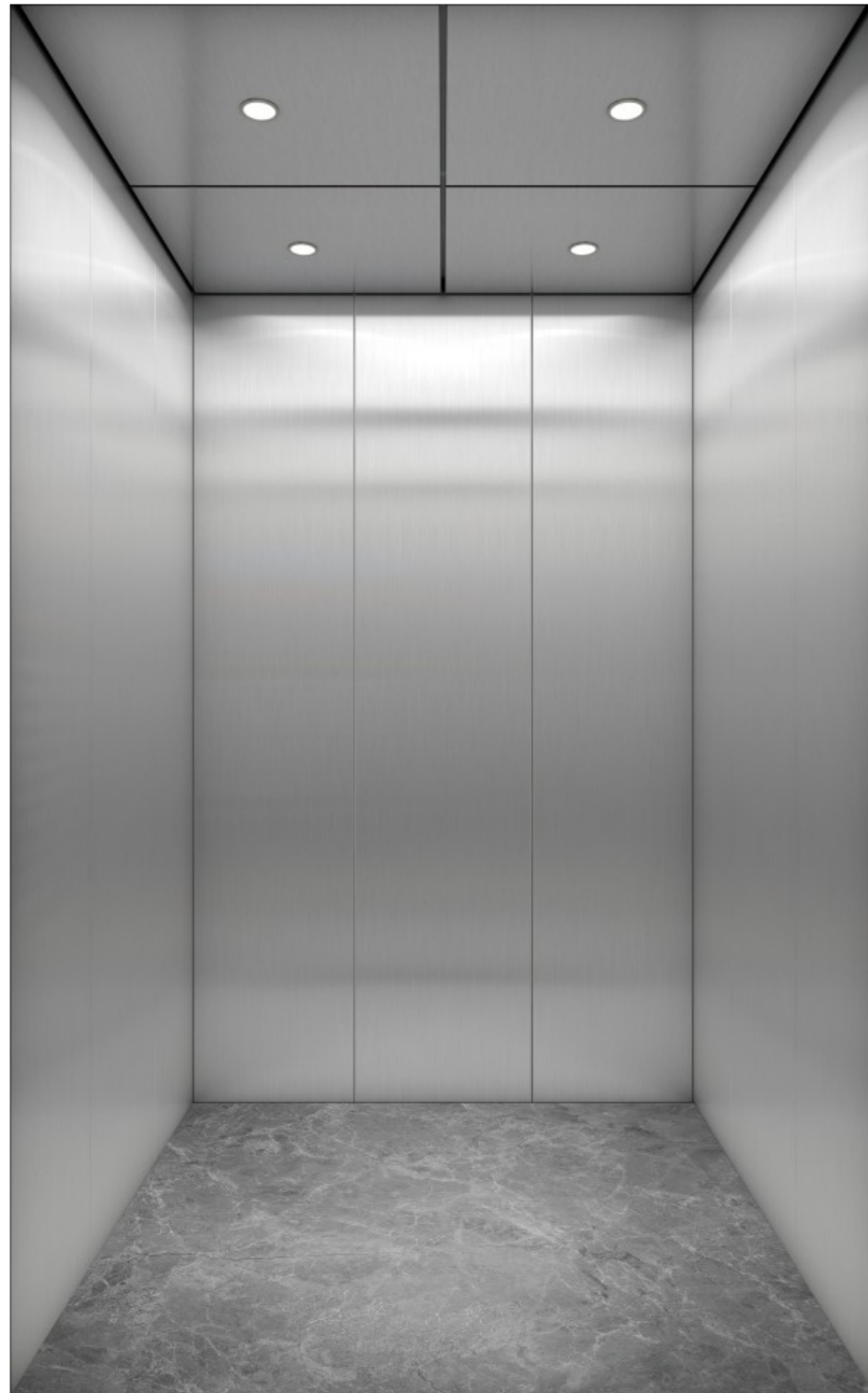
Machine room cancelled, free space

CAR DECORATION SERIES

Passenger elevator

ENCODER

TECHNOLOGY



K001

Standard

Ceiling: hairline stainless steel frame, acrylic transparent plate, LED light

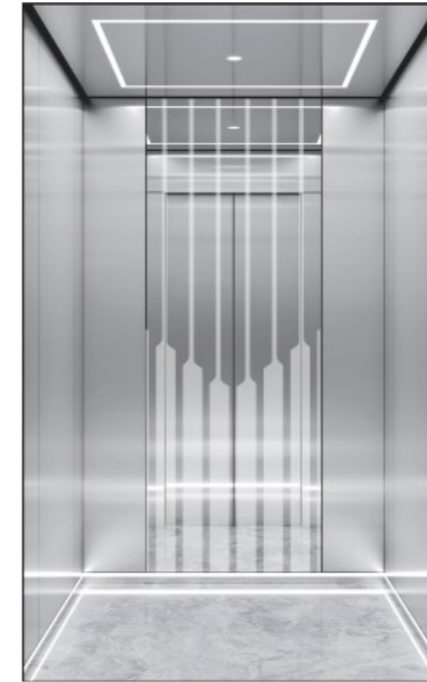
Back wall: hairline stainless steel, mirror stainless steel

Side wall: hairline stainless steel

Front wall: hairline stainless steel

Ground: PVC

Passenger elevator car decoration series



K002 Optional

Ceiling: hairline stainless steel, LED light
Car wall: hairline stainless steel, mirror stainless steel etching
Floor: PVC (optional marble)



K003 Optional

Ceiling: mirror stainless steel, LED light
Car wall: hairline stainless steel, black mirror stainless steel
Floor: PVC (optional marble)



K004 Optional

Ceiling: mirror stainless steel frame, acrylic transparent plate
Car wall: steel plate spraying, mirror stainless steel
Floor: PVC (optional marble)



K005 Optional

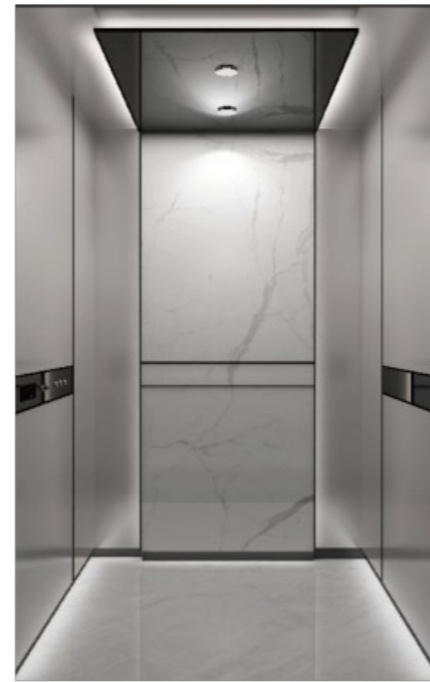
Ceiling: mirrored stainless steel frame, linear light
Car wall: mirrored stainless steel, hidden light strip, art glass, woven leather grain steel plate
Floor: PVC (optional marble)

Passenger elevator car decoration series



K006 Optional

Ceiling: champagne gold stainless steel frame, acrylic transparent plate
Car wall: champagne gold stainless steel, marble finish, gradient color 3D plate
Floor: PVC (optional marble)



K007 Optional

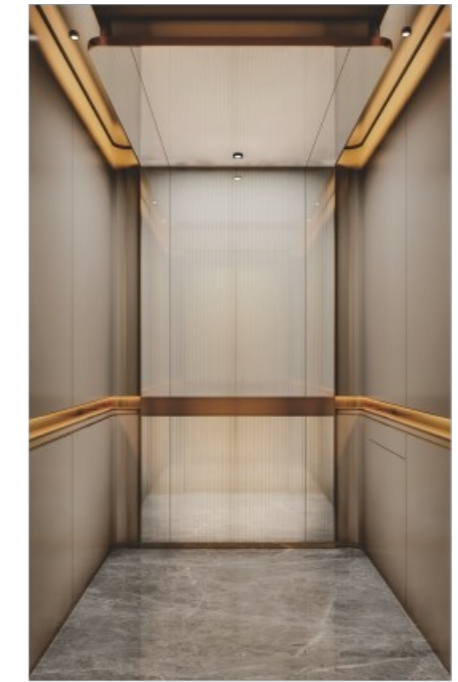
Ceiling: steel plate spraying, black titanium mirror stainless steel, hidden light strip, LED
Car wall: steel plate spraying, hidden light strip, black titanium mirror stainless steel trim, marble finish
Floor: PVC (optional marble)

Passenger elevator car decoration series



K010 Optional

Ceiling: steel plate spray frame, hidden light strip, LED
Car wall: titanium mirror stainless steel, steel plate spraying
Floor: PVC (optional marble)



K011 Optional

Ceiling: wood finish surrounded by stainless steel, hidden light strip, LED
Car wall: wood finish, stainless steel inserts, grooved part hidden light
Floor: PVC (optional marble)



K008 Optional

Ceiling: steel plate spray frame, hidden light strip, LED
Car wall: hairline stainless steel, titanium mirror stainless steel trim, marble finish
Floor: PVC (optional marble)



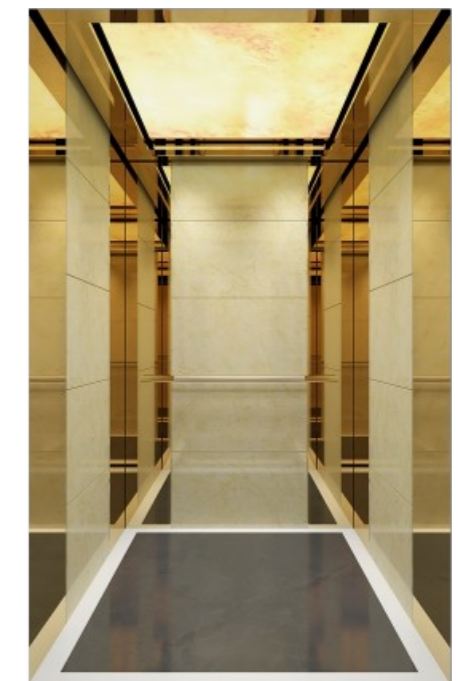
K009 Optional

Ceiling: steel plate spray frame, titanium mirror stainless steel trim, hidden light strip, LED
Car wall: titanium mirror stainless steel, steel plate spraying
Floor: PVC (optional marble)



K012 Optional

Ceiling: titanium mirror stainless steel frame, art lighting, LED lights
Car wall: titanium mirror stainless steel, titanium etching
Floor: PVC (optional marble)



K013 Optional

Ceiling: titanium mirror stainless steel frame, LED lights
Car wall: marble finish, titanium mirror stainless steel, etched
Floor: PVC (optional marble)

Passenger elevator car decoration series



K014 Optional

Ceiling: steel plate spray frame, hidden light strip, water ripple
 Car wall: rose blonde hairstrip stainless steel, hidden light strip, wood finish, black titanium hairline stainless steel
 Floor: PVC (optional marble)



K015 Optional

Ceiling: rose gold mirror stainless steel frame, acrylic transparent plate, LED light
 Wall: rose gold hairstrip stainless steel, rose gold mirror etching
 Floor: PVC (optional marble)

Passenger elevator car decoration series



K018 Optional

Ceiling: steel plate spray frame, hidden light strip, mirror stainless steel frame, LED light
 Car wall: marble finish, champagne gold mirror stainless steel inserts, hidden light strip, film steel plate
 Floor: PVC (optional marble)



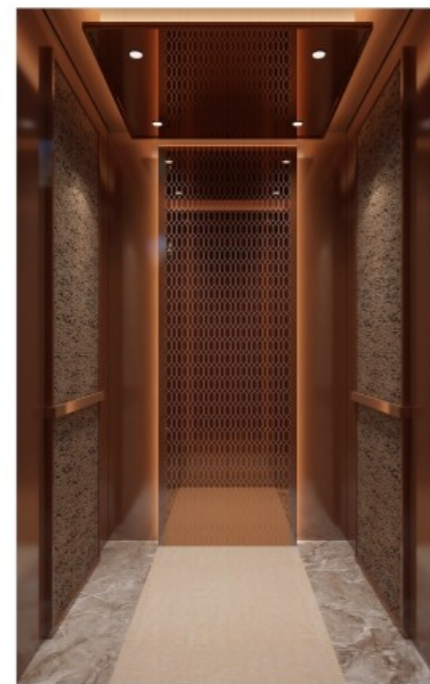
K019 Optional

Ceiling: steel plate spray frame, champagne gold mirror stainless steel trim, acrylic transparent plate
 Car wall: champagne blonde stainless steel, champagne gold mirror etching
 Floor: PVC (optional marble)



K016 Optional

Ceiling: rose gold mirror stainless steel frame, acrylic transparent plate, LED light
 Car wall: rose gold mirror stainless steel, rose gold etching
 Floor: PVC (optional marble)



K017 Optional

Ceiling: rose gold mirrored stainless steel frame, hidden light strip, LED light
 Car wall: rose gold hairstrip stainless steel, hidden light strip, rose gold mirror etching, marble finish
 Floor: PVC (optional marble)



K020 Optional

Ceiling: steel plate spray frame, acrylic transparent plate, LED light
 Car wall: bronzed hairline stainless steel, mirror stainless steel etching
 Floor: PVC (optional marble)



K021 Optional

Ceiling: bronzed mirrored stainless steel frame, hidden light strip, water ripples
 Car wall: bronzed hairline stainless steel, hidden light strip, marble finish, mirror stainless steel
 Floor: PVC (optional marble)

Passenger elevator car decoration series



K022 Optional

Ceiling: steel plate spray frame, black titanium mirror stainless steel trim, hidden light strip
 Car wall: black titanium hairline stainless steel, hidden light strip, art glass, titanium mirror stainless steel, wood finish
 Floor: PVC (optional marble)



K023 Optional

Ceiling: steel plate spraying, hidden light strip, titanium mirror stainless steel frame, LED
 Car wall: black titanium hairline stainless steel, black titanium mirror stainless steel trim, marble finish
 Floor: PVC (optional marble)

Passenger elevator car decoration series



K026 Optional

Ceiling: steel plate spray frame, hidden light strip, water ripple
 Car wall: steel plate spraying, hidden light strip, black titanium mirror stainless steel trim
 Floor: PVC (optional marble)



K027 Optional

Ceiling: mirrored stainless steel frame, linear light
 Car wall: mirror stainless steel, woven leather steel plate, linear light
 Floor: PVC (optional marble)



K024 Optional

Ceiling: steel plate spray frame, champagne gold mirror stainless steel frame, hidden light strip, LED light
 Car wall: champagne gold mirror stainless steel, champagne blonde stainless steel
 Floor: PVC (optional marble)



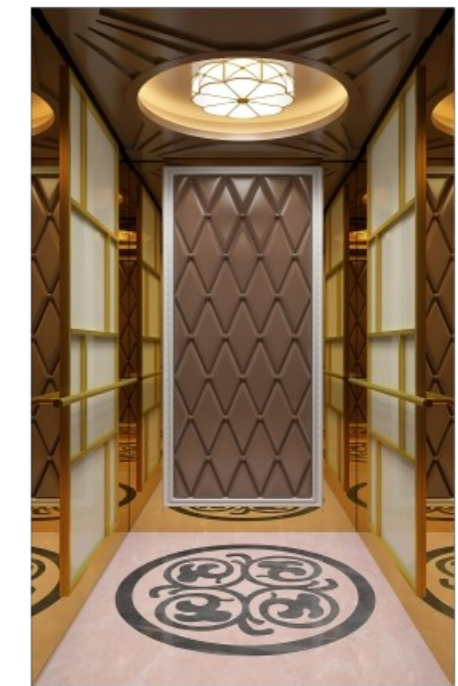
K025 Optional

Ceiling: steel plate spraying, hidden light strip, water ripple
 Car wall: champagne blonde stainless steel, hidden light strip, art glass finish, mirror stainless steel
 Floor: PVC (optional marble)



K028 Optional

Ceiling: wood veneer frame, mirrored stainless steel, LED
 Car wall: wood grain art board, mirror stainless steel trim, art painting, mirror stainless steel etching
 Floor: PVC (optional marble)



K029 Optional

Ceiling: wood veneer frame, hidden light strip, artistic lighting
 Car wall: titanium mirror stainless steel, wood veneer frame, leather upholstery, titanium frame wood finish
 Floor: PVC (optional marble)

OBSERVATION ELEVATOR

CAR DECORATION SERIES

Observation elevator

ENCODER
TECHNOLOGY

Transparent car wall

It adopts highly secure safety laminated glass with good transparent. The passengers might appreciate the busy and prosperous city sight through the transparent car wall. Lamination layer in laminated glass resists radiation, it buffers sound-wave vibration and isolates the sound. Large area glass design of car wall shows smooth and beautiful lines. It beautifies the elevator car outline. Furthermore, the buildings are more attractive.

Frame hoistway

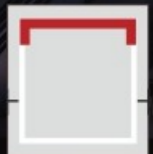
Not only is it compatible with compact space and overall beauty at the same time, but it can be designed in different civil constructions, which is convenient and fast. There are many models such as diamond, semicircle and square.



Semi circular shape



Cutting angle type



Square shape



Four observation shape

Graphic blue line part shows panorama face transparent glass

The glass cover allows the elevator to integrate with the building and the surrounding environment, making the sightseeing elevator not only part of the building, but also a moving beautiful scenery.



G001

Standard

- Upper and lower cover: painted steel plate
- Sightseeing wall: safety laminated glass
- Ceiling: hairline stainless steel frame, acrylic vault plate, LED lights
- Car wall: hairline stainless steel
- Handrail: stainless steel single tube
- Floor: PVC (optional marble)

Observation elevator car decoration series

Observation elevator car decoration series



G002

Optional

Upper and lower cover: painted steel plate

Sightseeing wall: safety laminated glass

Suspended ceiling: hairline stainless steel frame, acrylic transparent plate, LED light

Car wall: hairline stainless steel

Armrest: stainless steel double pipe

Floor: PVC (optional marble)



G003

Optional

Upper and lower cover: lacquered steel plate, acrylic lighting

Sightseeing wall: safety laminated glass

Ceiling: hairline stainless steel frame, acrylic transparent plate

Car wall: hairline stainless steel

Handrail: stainless steel single tube

Floor: PVC (optional marble)



G004

Optional

Upper and lower cover: titanium blonde hairline stainless steel

Sightseeing wall: safety laminated glass

Ceiling: titanium mirror stainless steel frame, acrylic transparent plate, LED light

Car wall: wood finish, titanium mirror stainless steel etching

Armrest: titanium stainless steel single tube

Floor: PVC (optional marble)



G005

Optional

Upper and lower cover: black titanium mirror stainless steel, LED light

Sightseeing wall: safety laminated glass

Decorative top: black titanium mirror stainless steel frame, starry sky roof

Car wall: black titanium hairline stainless steel

Armrest: black titanium mirror stainless steel

Floor: PVC floor (optional marble)



G006

Optional

Upper and lower cover: black titanium mirror stainless steel, LED light

Sightseeing wall: safety laminated glass

Decorative top: black titanium mirror stainless steel frame, starry sky roof

Car wall: black titanium hairline stainless steel

Armrest: black titanium mirror stainless steel

Floor: PVC floor (optional marble)

VILLA ELEVATOR

Safe and convenient, care is often accompanied

Specially developed and developed for mid-to-high-end villas and duplex residences, with exquisite layout, diverse styles and outstanding performance, it is suitable for villas and duplex residences without elevators to meet your needs for high-quality life.

Multiple ways to open the door

Multiple door opening options are available and can be specifically designed for needs and use cases.



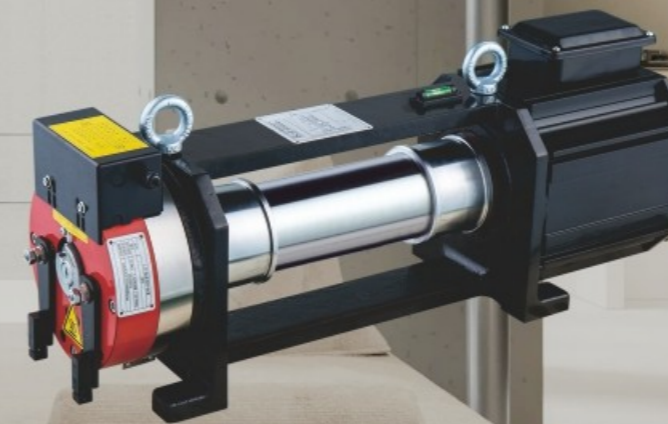
Center-opening



Side-opening



Manually
operated door



Steel belt traction machine

With conventional voltage, ultra-low power and ultra-low power, its actual power consumption is equivalent to household refrigerator, its operating power is less than a microwave. Being smart, portable, and oil-free and noise-free, it will become your new energy-saving household electrical appliance.

PLATFORM ELEVATOR

Platform elevator car decoration series



PT01

Optional

Light-emitting plate:
nanocomposite material,
shadowless light strip, aluminum
frame edging.

Floor: Rock floor



PT02

Optional

Light-emitting plate:
nanocomposite material,
shadowless light strip, aluminum
frame edging.

Floor: Woven carpet



PT03

Optional

Light-emitting plate:
nanocomposite material,
shadowless light strip, aluminum
frame edging.

Floor: Rock floor

Security function

- Backup power emergency system
- Door opening and closing anti-pinch system
- Emergency braking system
- Emergency communication equipment
- Overload protection system

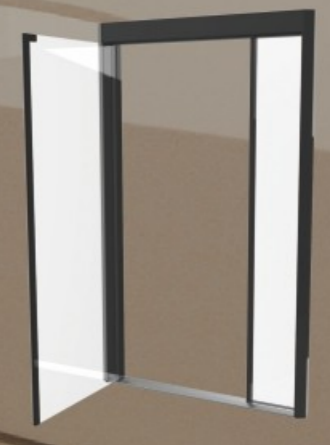
Optional frame color



Single-leaf swing door



Center opening door



Unequal double door

CAR DECORATION SERIES

Home elevator



V001

Standard

Ceiling: steel plate spraying, linear light strip

Back wall: steel plate spraying, linear light strip, mirror stainless steel

Side wall: steel plate spraying

Front wall: steel plate spraying

Floor: PVC, optional slate

Home elevator car decoration series



V002 Optional

Ceiling: steel plate sprayed frame, LED lights
Car wall: steel plate spraying, mirror stainless steel
Floor: PVC (marble optional)



V003 Optional

Ceiling: steel plate sprayed frame, LED lights
Car wall: wood veneer, mirror stainless steel, hairline stainless steel
Floor: PVC (marble optional)



V004 Optional

Ceiling: frosted steel plate, black titanium mirror stainless steel, linear light, LED light
Car wall: frosted steel plate, mirror stainless steel etching, black titanium mirror stainless steel trim
Floor: PVC (optional marble)



V005 Optional

Ceiling: black titanium hairline stainless steel, mirror stainless steel, linear light, LED light
Car wall: black titanium hairline stainless steel, mirror stainless steel, marble finish
Floor: PVC (optional marble)

Home elevator car decoration series

Home elevator car decoration series



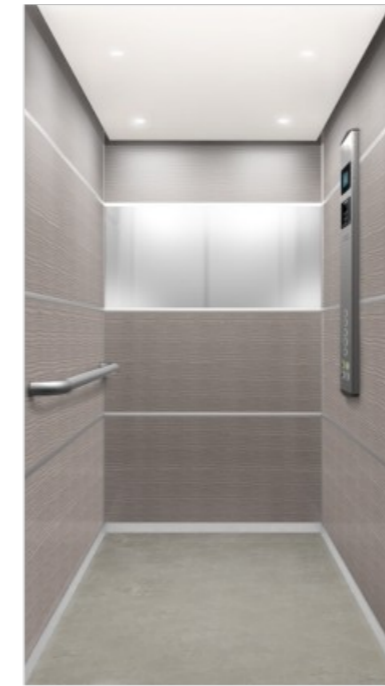
V006 Optional

Ceiling: titanium mirror stainless steel frame, hidden light strip, LED light
Car wall: titanium hairline stainless steel, titanium mirror stainless steel etching
Floor: PVC (optional marble)



V007 Optional

Ceiling: champagne gold mirrored stainless steel frame, acrylic transparent plate
Car wall: champagne blonde stainless steel, champagne gold mirror stainless steel etching
Floor: PVC (optional marble)



V010 Optional

Ceiling: steel plate sprayed frame, LED lights
Car wall: wood veneer, mirror stainless steel, stainless steel trim
Floor: PVC (marble optional)



V011 Optional

Ceiling: steel plate sprayed frame, LED lights
Car wall: wood veneer, mirror stainless steel, stainless steel trim
Floor: PVC (marble optional)



V008 Optional

Ceiling: steel plate spray frame, black titanium mirror stainless steel frame, acrylic transparent plate, LED light
Car wall: rose gold hair pattern stainless steel, rose gold mirror stainless steel etching
Floor: PVC (optional marble)



V009 Optional

Ceiling: steel plate spray frame, hidden light strip, LED light
Car wall: bronzed hair, stainless steel, wood finish, black decorative strip, hidden light strip
Floor: PVC (optional marble)



V012 Optional

Ceiling: steel plate paint, LED lights
Car wall: steel plate paint, safety laminated glass
Floor: PVC (optional marble)



V013 Optional

Ceiling: steel plate painted frame, acrylic transparent plate
Car wall: titanium blonde hairline stainless steel, safety laminated glass
Floor: PVC (optional marble)

HOSPITAL ELEVATOR



Y001

Standard

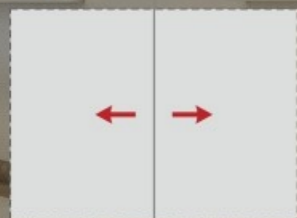
- Ceiling: steel plate spray frame, acrylic transparent plate
- Back wall: hairline stainless steel
- Side wall: hairline stainless steel
- Front wall: hairline stainless steel
- Handrail: hairline stainless steel flat armrest
- Floor: PVC (optional marble)

User-friendly design, rich in functions

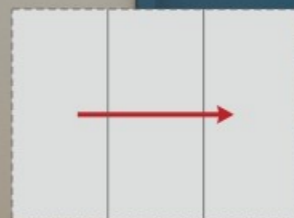
To meet the needs of emergency transportation of patients, it adopts humanized design and is equipped with a complete set of cutting-edge equipment, which runs smoothly and comfortably. The car is spacious and bright, not only has the function of carrying ordinary passengers, but also accommodates stretchers, and also provides convenience for people to carry larger furniture.

Negative ion car technology

Considering that the use of hospital elevators is more complicated, install ultraviolet sterilization devices in the car. When the elevator is not loaded, the ultraviolet device can be set up regularly to automatically start and stop the ultraviolet antiole virus. It has many functions such as disinfection and sterilization, dust removal and decontamination, smoke and odor removal, etc., and meets the basic requirements of medical institutions.



Center opening type



Side opening type

HUMAN INTERFACE

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

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



Optional control box



Disable COP



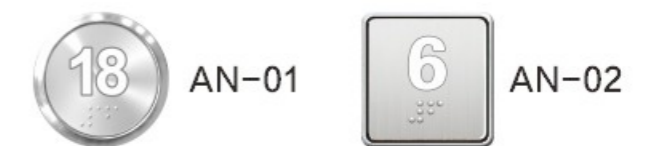
Optional to station light



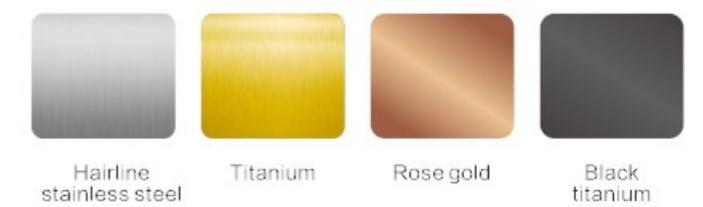
Control box display



Button (optional)



Optional material



DECORATION PARTS SERIES

ENCODER TECHNOLOGY



FS01



FS02



FS03



FS04



FS05



FS06



FS07



FS08



M05

Automatic doors
Champagne gold stainless steel
etching



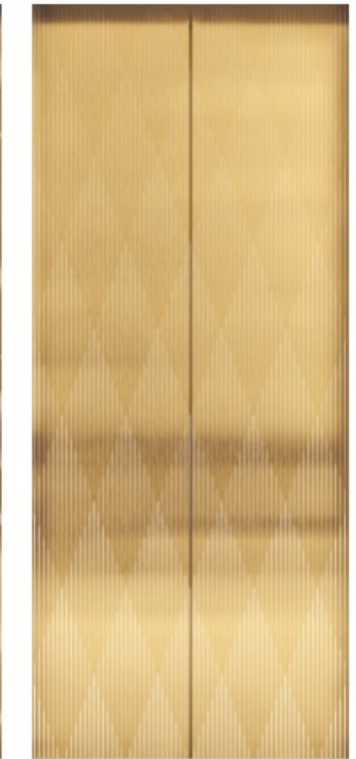
M06

Automatic doors
Champagne gold stainless steel
etching



M07

Automatic doors
Titanium stainless steel
etching



M08

Automatic doors
Titanium stainless steel
etching



M01

Automatic doors
Natural stainless steel



M02

Automatic doors
Natural stainless steel etching



M03

Automatic doors
Natural stainless steel etching



M04

Automatic doors
Natural stainless steel etching



M09

Automatic doors
Black titanium stainless steel
etching



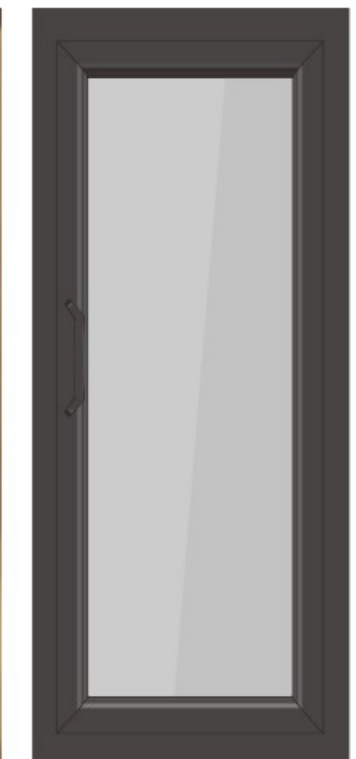
M10

Automatic doors
Black titanium stainless steel
etching



M11

Automatic doors
Titanium stainless steel,
sightseeing glass



M12

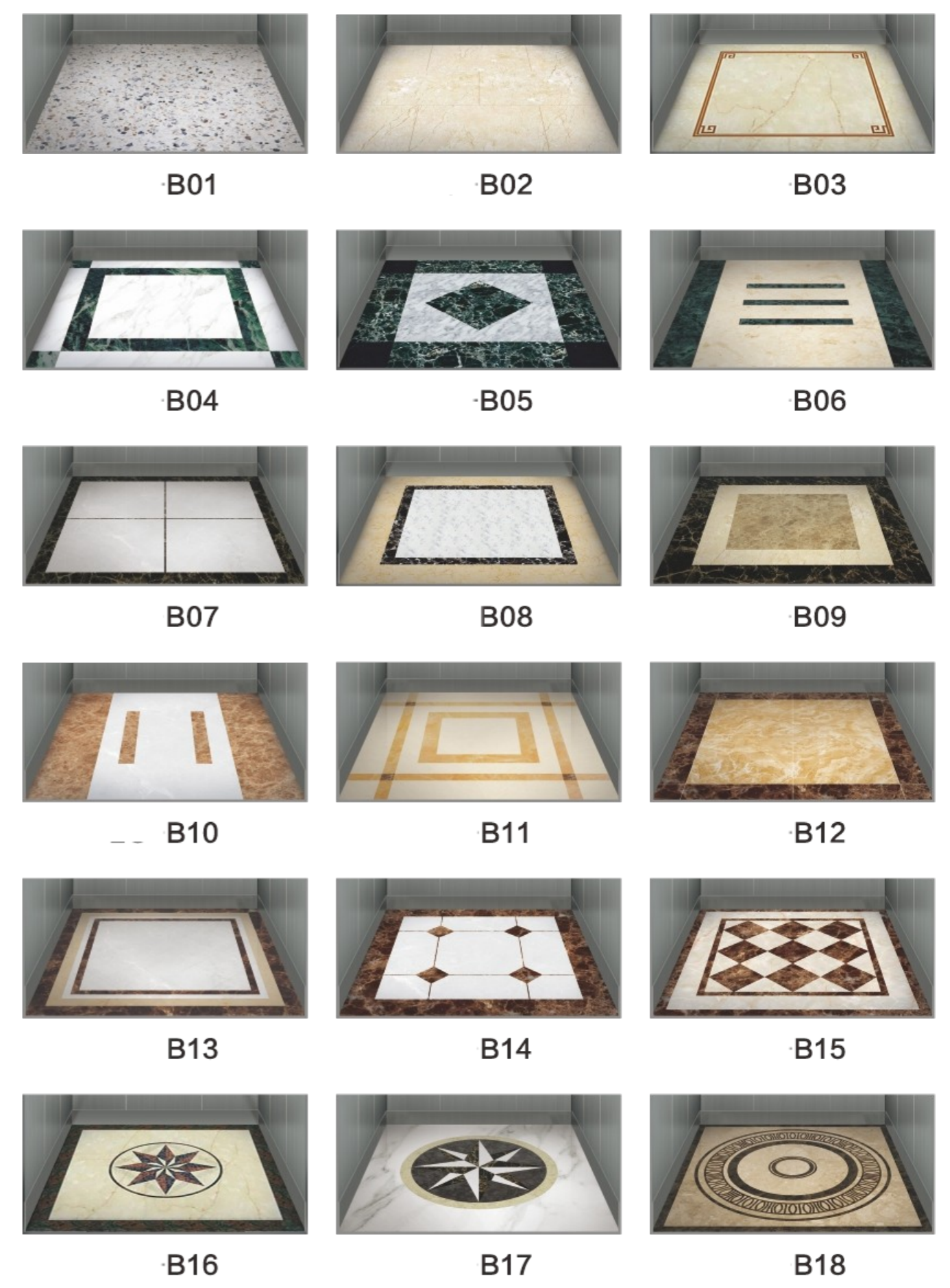
Hand sliding doors
Black titanium stainless steel,
sightseeing glass

Note: Optional titanium, rose gold, champagne gold, black titanium and other stainless steel.

Ceiling series



Flooring series



FREIGHT ELEVATOR

Super load Multiple considerations

The application of full-computer modular elevator special control system, efficient and reliable driving mode, gentle and sensitive VVVF frequency conversion door machine, so that it can easily carry and respond freely under various working conditions.

The high-strength car structure, crash strips and light curtain doors can meet various cargo purposes and use different building structures, so that more heavy lifting is more than competent. Creating completely new cargo transport concepts.



Safety



Steady



Energy Saving



CAR DECORATION SERIES

FREIGHT ELEVATOR

ENCODER

TECHNOLOGY



H001

Standard

Car roof: Sprayed steel plate wrinkle gray

Car wall, car door: Sprayed steel plate wrinkle gray

Control box panel: Hairline stainless steel

Floor: Checkered steel plate

Ridge: Hard aluminum
Iron ridge ($\geq 3T$)

Floor



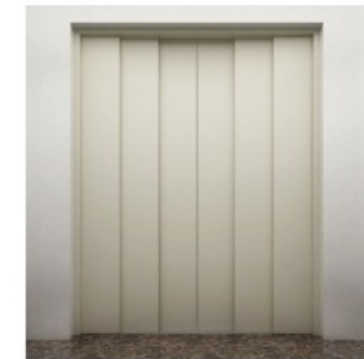
Landing Door



Side opening



Mid-divided bifold opening



3-folded center opening type

Color



CAR ELEVATOR



Steady and able to deal with it

Car elevator makes full use of mature car lifting technology, and develops and produces according to the particularity of car products. With strong technical strength, the technical obstacle of noise and car shaking caused by the increased load of the traction machine system caused by the uneven force of the car has been completely solved, and the characteristics of this series of products have been optimized to the greatest extent.

Dual operation buttons box

There are two operation box buttons in the car. Therefore the driver can operate the elevator in the car without stepping out of it.

Front / rear door opening are available

The elevator car sets front / rear door opening which is more convenient for the safety sector and for the cars to enter into / exit from the elevator cars.

DUMBWAITER ELEVATOR

Smooth operation Lightweight delivery

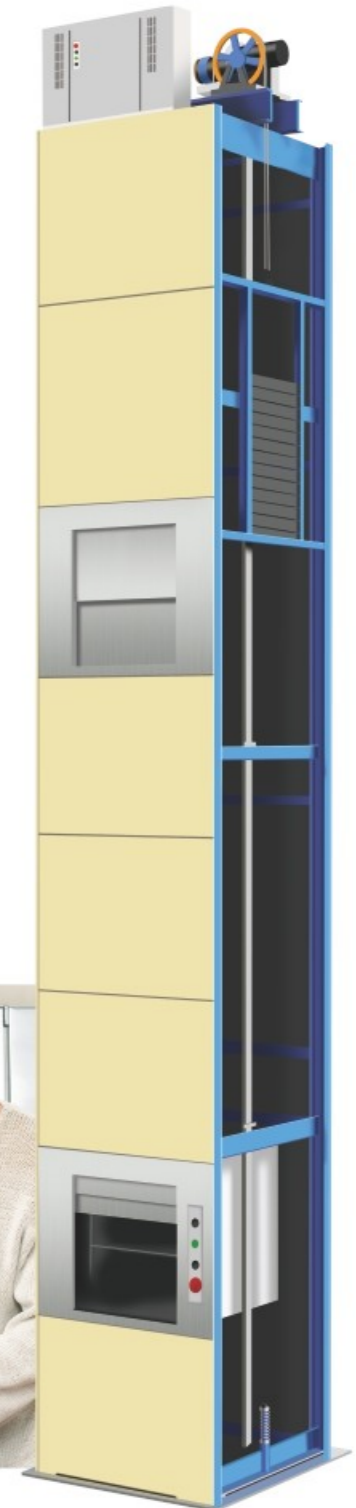
Using advanced computer version control and novel structural design, it has the characteristics of stable operation, safety and reliability, convenient operation, etc., and is widely used in hotels, restaurants, schools, libraries, warehouses, ship cabins to transport light goods, meals, books, sundries and other items.



Z01
Windowed type



Z02
Ground type



ESCALATOR

Escalator series products, full application of new materials and advanced technology design, manufacturing.

Smooth operation, low noise, durable, easy maintenance. With exquisite structure, exquisite ladder road, exquisite lead road, exquisite appearance shape, soft and modern style of design, combined with modern aesthetic concepts, diversified handrail and wainscoting color options, dynamic streamlined shape gives the city a flexible rhythm.



Humane design: It gives first priority to the safety ideas. It has the standard configurations of multiple safety protection devices such as the step lighting, warning line, skirting brush, emergency stop button etc.

Visualized consideration: It merges modern aesthetics into the product design. It is active in various city corners by the elegant and graceful streamline models. It adds more glamour for modern cities.

Comfortable promotion: It keeps innovating upon and perfecting various performances to ensure the smooth and comfortable travel.

Application of practical properties: It strengthens the loading capacity by rigid materials. It is easily competent to the requirements of large passenger flow.

Popularization of general purpose : The diverse conveying plans are available for your choices. They can remarkably combine with various styles of the buildings.

MOVING WALK

Adhering to the elevator's understanding of the pursuit of human enjoyment, the international leading technology and unique design perfect integration, with stable operation, low noise, durable, convenient maintenance and other characteristics, its exquisite structure, sophisticated ladder, exquisite lead road and luxurious shape, all give passengers a bright, comfortable new feeling.



Safety guarantees, making travel more reliable

It applies special host with complete safety functions. It ensures the smooth travel and the effectively drive.

Antis-kid groove design at the elevator surface and inclination angle design with extremely small comb-teeth ensure the secure travel of both the passengers and the goods.



Efficient carrying



Security

ESCALATOR / MOVING WALK
Function table

Standard function

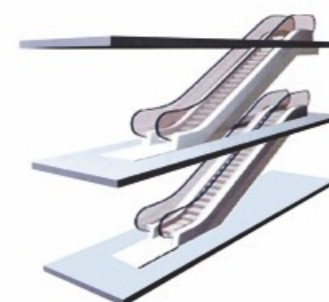
1. Bidirectional operation	11. Overspeed protection device	21. Non-operational reverse protection
2. Emergency stop button	12. Step loss protection	22. Start the alarm device
3. Maintenance operation	13. Step sag protection	23. Automatic refueling device
4. Boarding stairs lighting	14. Step defensive equipment	24. Open cover of the machine room
5. Fault display	15. Anti-static protection	25. Normal reverse up and down operation
6. Fault and phase failure protection	16. Drive chain break protection device	26. Handrail speed monitoring
7. Working brake	17. Step chain break protection device	27. Step speed monitoring
8. Motor overload protection	18. Armrest with access protection device	28. Skirt panel brush
9. Safety circuit ground protection	19. Comb safety protection device	
10. Step gap lighting	20. Apron protection	

Optional function

1. Frequency conversion function	4. Apron board lighting	7. Entrance lighting
2. Frequency conversion self-starting function	5. Handrail lighting	8. Voice broadcast
3. Frequency conversion fast and slow stop function	6. Direction indicator	9. Additional brake

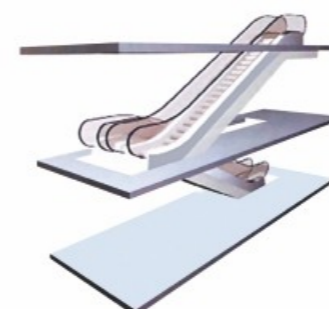
LAYOUT PLAN

Colorful decoration, dotted fashion space



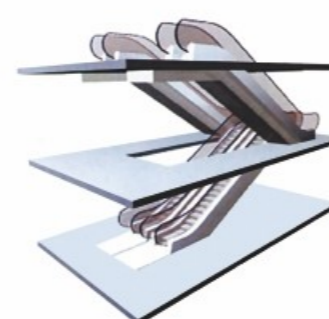
Single

Such layout has the advantages of small covering area, flexible escalator arrangement. It can only fulfill one-way intermittent flow of the passengers. It is mostly suitable for small-size shopping places.



Scissored

Such layout is a bit larger than that from the irregular layout. It can fulfill one-way continuous flow of the passengers. It is mostly suitable for small and medium department stores.



Parallel

Such layout is mainly fit for large passenger flow shopping centers and public traffic areas. It can fulfill two-way continuous flow of large passenger flows. When one-way peak hour occurs in the passenger flow, we can adjust the travel direction of partial escalators in order to satisfy rush-hour flow according to the passenger flow requirements. Without an internal baffle, such mode is quite economical.



Criss-cross

Such layout is mainly suitable for large-size department stores and public constructions. The conveying times between these floors shall be minimized as far as possible.