



# EXPRESS ELEVATOR CONSTRUCTION BUILDING MOBILITY SOLUTIONS



[www.surapidelevator.com](http://www.surapidelevator.com)



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# FULL RANGE OF PRODUCT SOLUTIONS BOOSTING NEW MOMENTUM OF URBAN LIFE

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208m

Over-200-Meter-High Exemplary  
Test Tower  
A Total Height of 208 Meters  
190m Above the Ground and  
18m Under the Ground

## BRAND STRENGTH

SURAPID Elevator Co., Ltd. is a subsidiary of NEW XI'AO ELEVATOR GROUP. With a factory of over 158 thousand square meters and a total investment of over 1 billion yuan, SURAPID is a professional modern elevator manufacturer with integration of design, manufacturing, sales, installation, and maintenance. As a member of NEW XI'AO ELEVATOR GROUP, SURAPID has absorbed the Group's more than 40 years of experience in elevator manufacturing and development. We have a 208-meter-high ultra-high-speed elevator test tower, a technical research and development team of more than 300 people, and lots of modern production equipment, such as flexible thick and thin sheet metal production lines, YASKAWA painted robots, cold rolled sheet metal landing door machines, ABB robot welding lines, and escalator and truss production lines. We spare no effort to build a lean manufacturing system, providing customers with high-grade, precision, advanced products, and services. After many years of development, SURAPID offers more than 10 thousand products a year and is already in the front rank of domestic elevator brands in terms of industrial scale and comprehensive strength.

"Helping customers succeed" is SURAPID's service goal. To meet customer demands, SURAPID constantly improves the aftersales service system, applies the AI system and the SURAPID cloud remote monitoring system for comprehensive interaction, supports real-time uploading of operation and fault data, and focuses on setting an example in the industry in terms of service.

We have a professional management platform, a strong technical team, an experienced after-sales service team and a nationwide sales and maintenance network. We provide all-weather hotline services and strictly conduct 100% full product inspection. We offer safe, intelligent, green elevators and escalators to customers.



# INTELLIGENT MANUFACTURING FACTORY

Jiaxing Intelligent Industrial Park—A Model Factory in the Intelligent Era



The industrial park covers an area of 237 mu (15.8 hectares), combining smart technology with aesthetic design.

# MASTER CORE TECHNOLOGIES OF THE WHOLE INDUSTRIAL CHAIN

**3** Core Parts  
Safety Parts

## SURAPID'S THREE CORE PARTS

SURAPID independently produces traction machines, door operators and Operation Panels. SURAPID meets the strictest industrial quality standards and ensures that all products meet the highest industrial quality standards.

## SURAPID'S THREE SAFETY PARTS

SURAPID independently produces overspeed governors, safety gears and buffers. We have senior experts in research and development of safety parts of elevators. Meanwhile, SURAPID is equipped with advanced testing equipments to strengthen safety inspection.



# OFFER GOOD SERVICES AT ANY TIME

No one knows your equipment better than SURAPID.

## Locally trained and globally networked professional engineers

We have a skilled first-rate maintenance team and a globally networked expert team to provide whole-process services.



## Officially certified sufficient supply of original parts

SURAPID has built a long-term strategic partnership respectively With OPTIMAX, Forvorda, Fuxin and OPTIMAX Heavy Industry, which are all subsidiaries of NEW XI'AO, to ensure the stable supply of parts.

## Custom-made, Personalized, and IT-based

The information center, the technical team and the spare part center form a "three-in-one" complete service system, which provides customers with personalized maintenance solutions and responds to customer demands around the clock.



## Globally consistent maintenance procedure standard

We provide a globally consistent, standard, and professional maintenance procedure standard to ensure that all customers can enjoy the same high-quality services.



## Higher Maintenance Standard

Preventive maintenance, semimonthly, quarterly, semiannually, and yearly adjustment and maintenance, and maintenance as required.

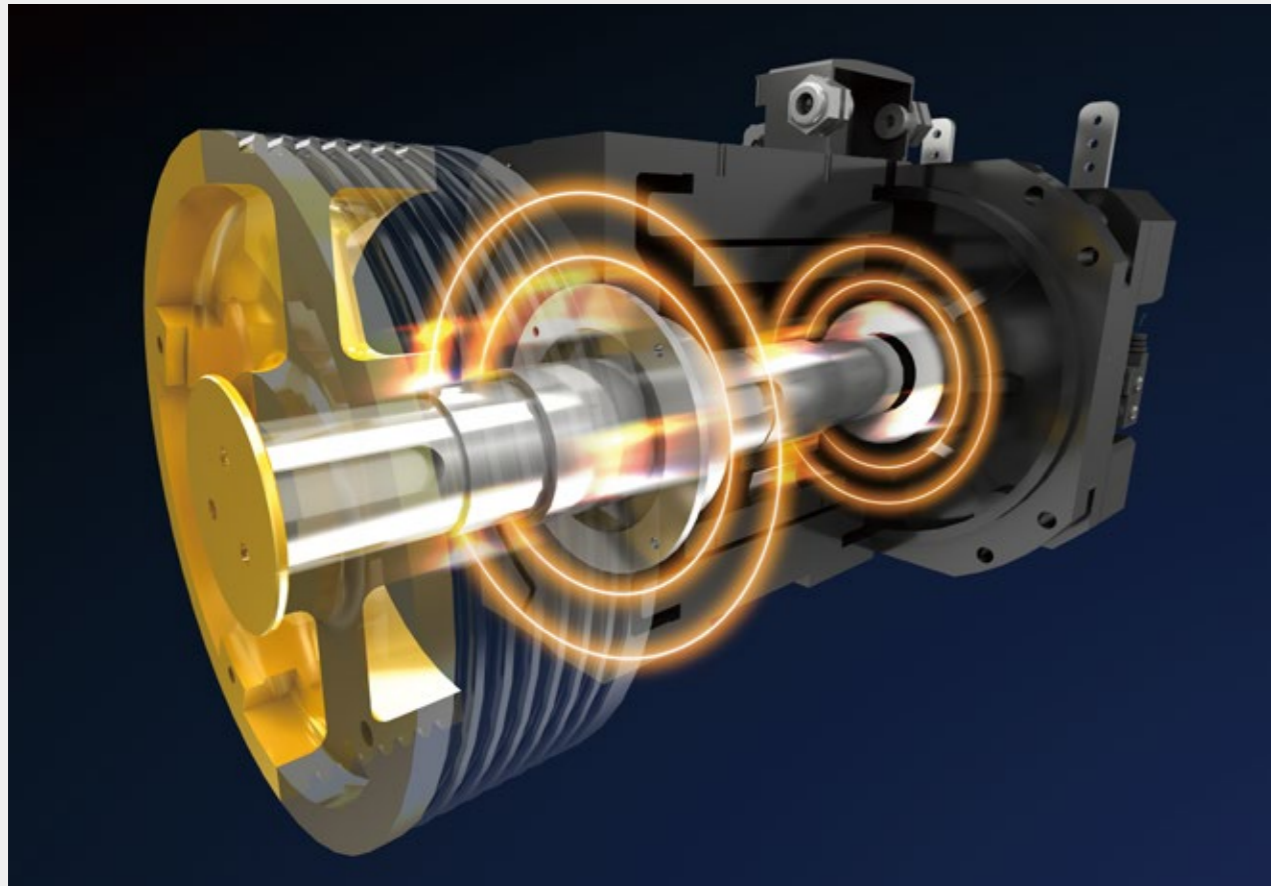
# ENERGY CONSERVATION AND EMISSION REDUCTION

Effectively reduce carbon emission of buildings.

A safe, intelligent, comfortable, green, high-performance elevator

An extremely user-friendly modern elevator

A mature, reliable, classic elevator



Host No Load  $\leq 52$  dB

Noise in the Machine Room  $\leq 75$  dB

## Energy-saving Traction Machine

SURAPID elevators use permanent magnet synchronous gearless traction machines, do not need excitation, and boast a low starting current, high drive efficiency and a more reasonable structure.

## Independent Manufacturing of Core Parts of Traction Machines

- SURAPID is the only one which can independently produce magnetic steel, driving sheaves, brakes, bases, and rotors in the industry.
- The hardness difference of driving sheaves is less than 15HBW, which greatly extends the service life of steel ropes.

## The traction machine features low heat generation and no demagnetization.

- After the traction machine runs at full load for one hour, its temperature rise is not more than 90k, which is 15k lower than the national standard.
- The ambient temperature of machine rooms is optimized, which increases the service life of the traction machine.

## High Drive Efficiency and Accurate Encoder Feedback

- The drive efficiency reaches 87%.
- Use German Heidenhain encoders featuring accurate feedback. Eliminate the vibration of elevators caused by interference.

## Low Operation Noise

- The ultra-quiet brake effectively reduces noise by 5-10dB and is better than imported brakes of the same kind in braking force.
- The noise of non-load traction machines is 52dB and the noise of machine rooms can be controlled to be less than 75 dB. Industry-leading in noise control.

# INTELLIGENT TECHNOLOGY

Efficiently transport passengers for you.

A meaningful life resides in not only achievements but also spiritual improvement. Elevators are not just used for hoisting but should be more intelligent. The Suda passenger elevator is a classic intelligent elevator.



## Intelligent Control System

The control system adopts a dedicated VVVF system and a modular structure fully designed by computer to ensure efficient, comfortable, safe operation of elevators.

## Advanced Technologies

- Independently developed all control panels, converters, and monitors. Hold 106 patents.
- Adopt integrated double-32-bit-microcomputer control. It is easy to debug and can be debugged remotely.
- After power failure or failure recovery, automatically learn the angle of the encoder.
- Upgrading of handheld equipment of the OMU
- Debugging of the mobile phone app

## Smart Factory

The function of 6-minute intelligent automatic inspection of Operation Panels ensures traceability of products. The grade of dust resistance can reach level 100,000 for lean production of PCBs. Through automatic input and testing, the influence of human factors on production is removed.

## Reliable Quality

The elevators pass more than 100 strict tests before leaving the factory. The fault rate is lower than 0.3%. Achieve the group control of 8 elevators. All pass strict environment, electronics, machinery, and EMC tests.



# REMOTE MONITORING MANAGEMENT SYSTEM

Efficiently transport passengers for you.



## Emergency Evacuation Device for Power Failure

When the normally running elevator stops suddenly because of a sudden power failure, the device acts immediately and drives the elevator to move to the leveling position at a low speed. After leveling, it gives a voice prompt while opening the door to evacuate passengers.

## Remote Monitoring Management System

The monitoring center achieves the monitoring, control and report of elevators and manages their key operation functions via remote networking to ensure safety use of elevators through remote monitoring and management.



## Access System

The access system controls the use of elevators. The elevator can be used only after user recognition, which greatly enhances the safety of building management and makes users feel safer.

- ① Face Recognition
- ② Voice Recognition
- ③ QR Code Recognition
- ④ Fingerprint Recognition
- ⑤ IC Card Recognition



# SAFETY PROTECTION

Always ensure your safety.

The light curtain protects you every time when you take a SURAPID elevator. Protect your safety and ensure timely evacuation after every sudden power failure. Every solution puts the safety of users first.

## Safe Door Operator

Its motor is a permanent magnet synchronous variable frequency motor, which increases the output torque of the motor, features low noise and high efficiency, and greatly reduces energy consumption.

## Safe and Energy-saving

- In case of sudden power failure, the opening door will always close slowly under protection.
- The permanent magnet synchronous motor is used, which increases the output torque of the motor and greatly reduces power consumption.

## Reliable Operation and a Low Power Failure Rate

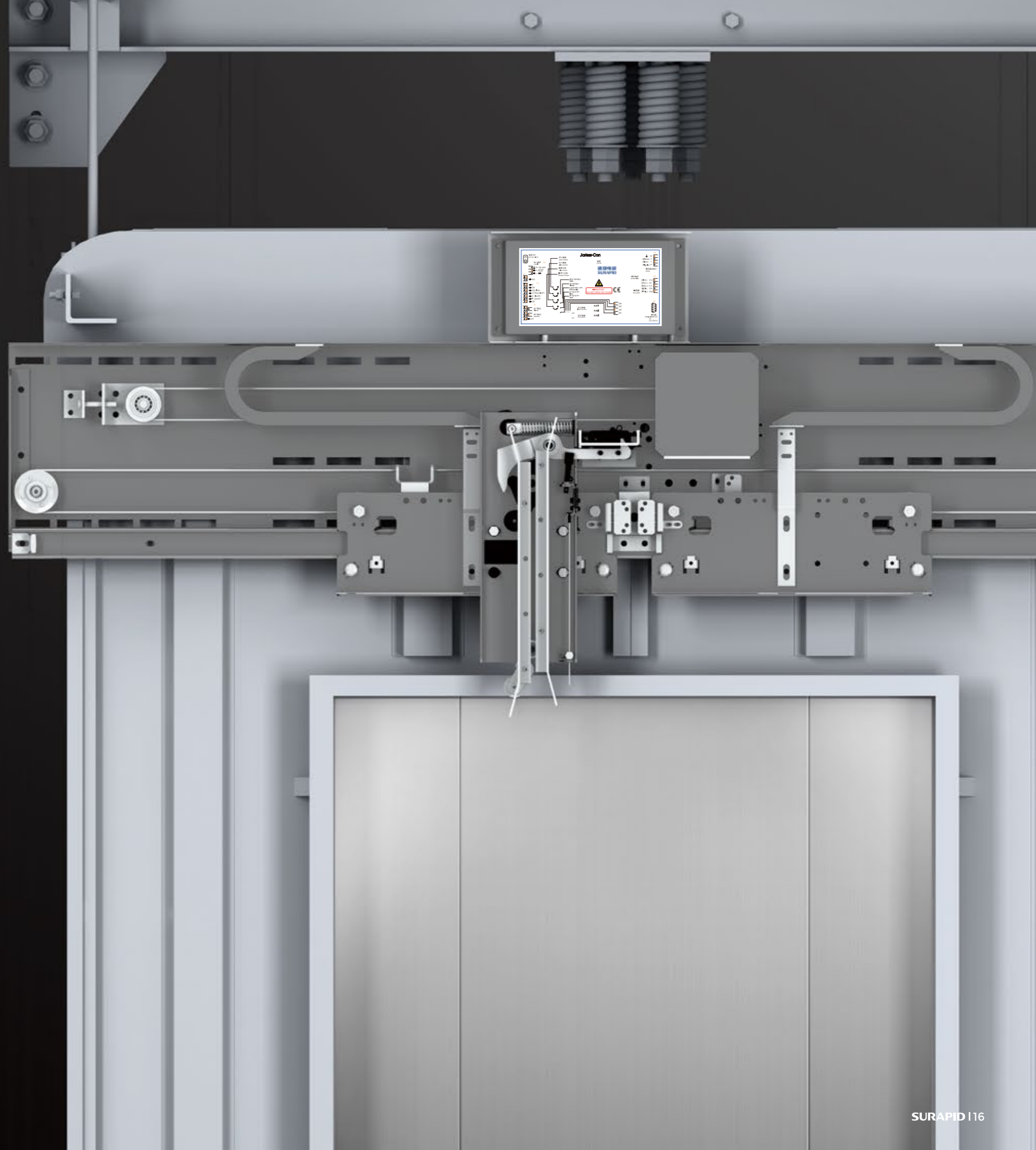
- 3 million reliability verification tests (the national standard is 2 million tests)
- Have a national-level laboratory
- 400 thousand sets are being used in construction sites. Boast an extremely low power failure rate.

## Suitable for the Complicated Environment of Construction Sites

- With a wide voltage range, it can adapt to a voltage fluctuation of 20% to withstand the unstable voltage of construction sites.
- The ingress protection grade of motors reaches IP 54. The relative humidity is 98%. It can adapt to the environment of construction sites with splashed water, lots of dust, and mortar.

## High Efficiency, Low Noise and No Need for Debugging

- The shortest time for opening door is 2 seconds. The noise is only 50dB. Have high operation efficiency and low noise.
- After on-site installation, there is no need for debugging.



## PERSONALIZED DESIGN

Show the infinite appeal of buildings

It is SURAPID's responsibility to make your building space more user-friendly. We put ourselves in your shoes in all aspects, such as appearance and user experiences.

### Customizable Car Decoration

We offer over 100 choices for car decoration. We can also develop custom-made products according to customer demands to offer exclusive car designs for customers.



### Anti-nuisance ※

To avoid mischiefs or error car instructions, the computer cancels abnormal instructions by logical judgement on load to ensure normal elevator operation and comfortable user experiences.



### Passed the Stress Test for Cars

Independently developed the car system. The stress analysis of elevators needs to be conducted by ANSYS for cars. Moreover, the cars also must pass the test of elevators conducted by the elevator test tower.



### Accessible Function ※

Fully meet the requirements of the Code for Accessibility Design GB50763 and the European EN81-70 Standard and provide better, safer services for disabled users.



Remarks: ※Optional function



German IF  
Industrial  
Design Award



## PASSENGER ELEVATOR SERIES

CHUANCHENG SERIES | MACHINE-ROOM  
PASSENGER ELEVATORS  
JIERUI SERIES | MACHINE-ROOM-LESS PAS-  
SENGER ELEVATORS  
JIEYUN SERIES | PANORAMIC ELEVATORS  
JIERUN SERIES | HOSPITAL ELEVATORS





# CHUANCHENG SERIES | MACHINE-ROOM PASSENGER ELEVATORS

Speed(m/s)								
2.5								
2.0								
1.75								
1.5								
1.0								
Load(kg)	630	680	800	1000	1050	1150	1350	1600

## Products

Load: 630-1600kg  
Speed:1.0-2.5m/s

## Product Configuration

Traction Machine: permanent magnet synchronous gearless traction machine

Operation Panel: integrated double-32-bit-microcomputer control

Door Operator: permanent magnet variable frequency door operator

Door Protection: light curtain

### ① Full Digital Control

The elevators adopt 32-bit full digital control to integrate elevator control and driving, featuring rich functions, intelligent control, low noise, etc.

### ③ Efficient Permanent Magnet Variable Frequency Door Operator

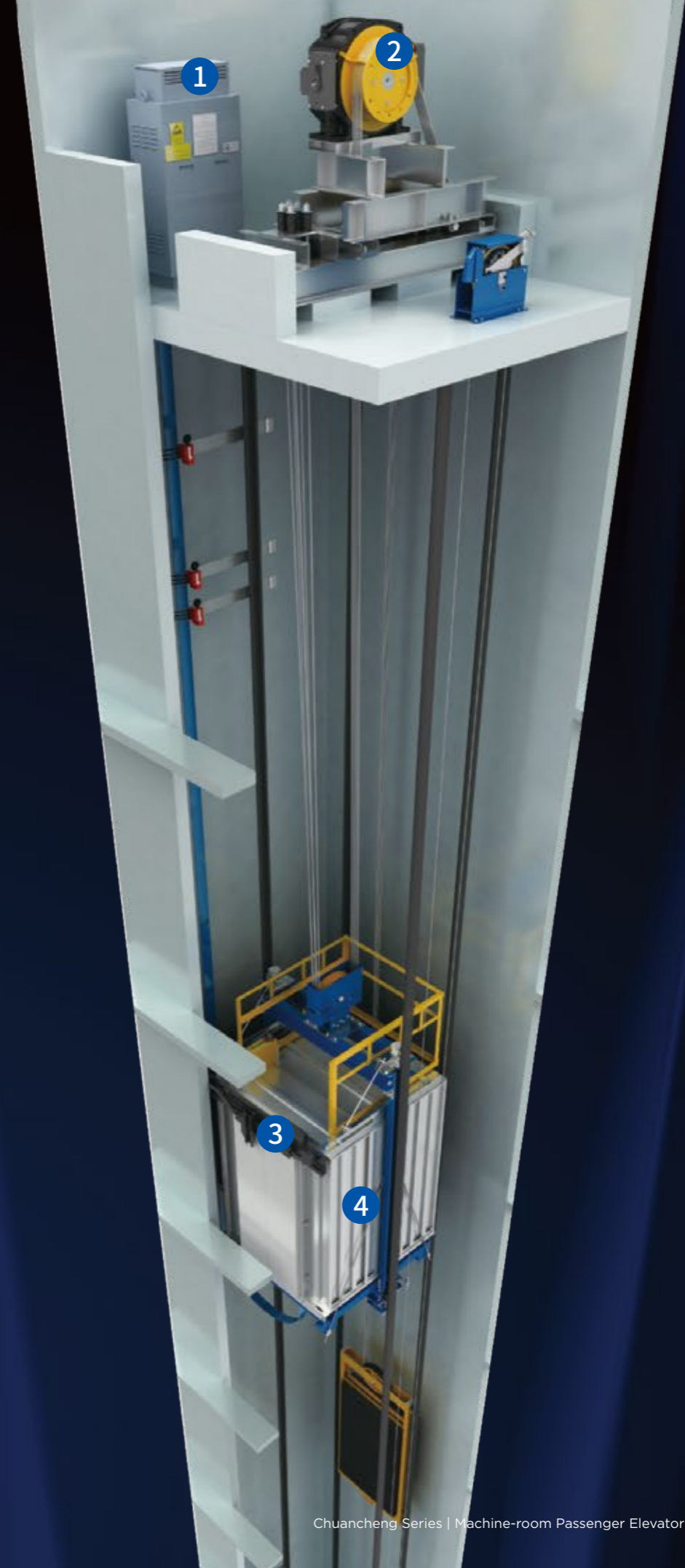
The elevators have authoritative certifications for their main technical indexes and safety performance, featuring a compact structure, energy conservation, environmental protection, reliable operation, easy installation, low noise, etc.

### ② Energy-saving Traction Machine

The elevators use permanent magnet synchronous gearless traction machines, change traditional design, do not need excitation, and boast a low starting current, high drive efficiency and a more reasonable structure.

### ④ Personalized Decoration

Based on customers' architectural styles and installation environment, SURAPID gives full play to their characteristics to offer exclusive elevator decoration to them.



# CAR DECORATION

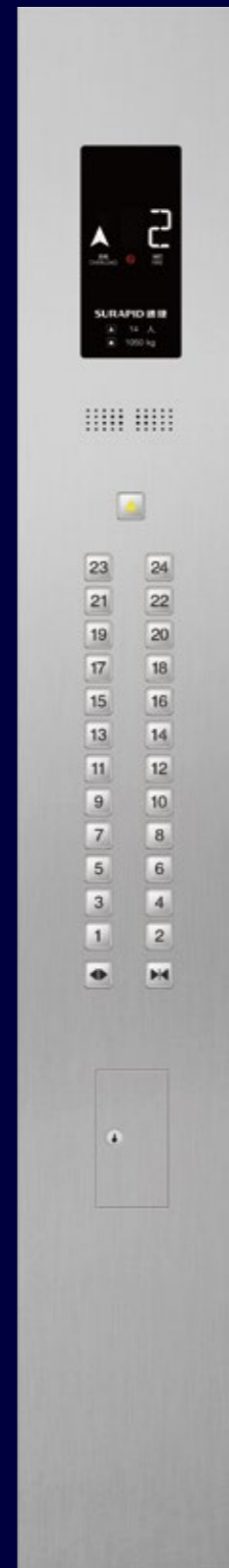
## Standard Configuration



Car Model: XTQ01-2101  
 Integrated Suspended Ceiling:XTQ04-268D  
 Hairline stainless steel veneering  
 Back Wall: Short-hairline stainless steel  
 Side Wall: Short-hairline stainless steel  
 Front Wall: Short-hairline stainless steel  
 Light Source: LED  
 Floor: XTQ07-31 B1-7705(PVC)

# HUMAN-MACHINE INTERFACE

## Standard Configuration



### Standard Configuration Of Operation Panels XCP2-F

Monitor: 6.4' LED+ acrylic  
 Operation Panel: hairline stainless steel

#### Monitor



6.4' LED+ acrylic

#### Button



BS34R  
 Black character

### STANDARD CONFIGURATION OF CALLING BOARDS

#### Monitor

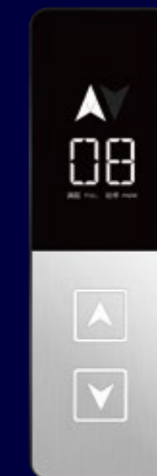


4.3' LED+ acrylic

#### Button



XBS34H



XHB12-C

Black Plastic Frame  
 Hairline stainless steel panel

# CAR DECORATION/HUMAN-MACHINE Interface—optional Configuration



Operation Panel: XCP12-L  
 Integrated Suspended Ceiling:XTQ04-268D  
 painted steel plate (ivory)  
 Back Wall: painted steel plate (ivory)  
 Side Wall: painted steel plate (ivory)  
 Front Wall: painted steel plate (ivory)  
 Light Source: LED  
 Floor: XTQ07-31 B1-7705(PVC)

## Optional Configuration of Calling boards



XHB23-B

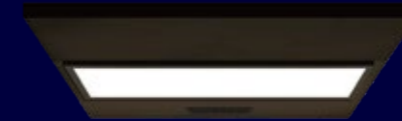
LCD Screen: PC large window  
 LED segment code display  
 Button:BR34K Button  
 Calling board: black plastic frame  
 hairline stainless steel panel

# OTHER DECORATION Optional Configuration

## Ceiling—Optional Configuration

XTQ04-204D

Painted steel plate (light camel) + acrylic



XTQ04-219D

Painted steel plate (pearly silver) + acrylic light guide panel



XTQ04-1101D

Painted steel plate (pearly silver) + integrated light box



XTQ04-254D

Hairline stainless steel, acrylic decoration+ downlight



## Handrail—Optional Configuration

XTQ06-01



XTQ06-01A



XTQ06-01B



XTQ06-16

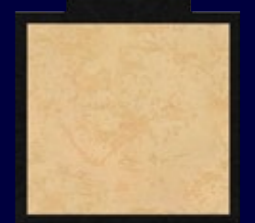


## Floor—Optional Configuration

XTQ07-68  
PVC Series



XTQ07-71  
PVC Series



XTQ07-210  
PVC Series



XTQ07-24  
Marble Series



XTQ07-1306  
Marble Series



XTQ07-23  
Marble Series



# CAR DECORATION

## Titanium Gold Series—optional Configuration

### XTQ01-1710-3-T

Ceiling: titanium gold hairline stainless steel veneering+ acrylic+ downlight 【XTQ04-254D(T)】  
 Back Wall: titanium gold hairline stainless steel+ titanium gold mirror etched stainless steel (XIZI-1013)  
 Side Wall: titanium gold hairline stainless steel+ titanium gold mirror etched stainless steel (Fixed width of 500)  
 Floor: parquet, Yihua TM111-D01+TM-746A (Dark Emperador) 【XTQ07-211】  
 Front Wall: titanium gold hairline stainless steel  
 Operation Panel: integrated, titanium gold hairline stainless steel



### XTQ01-226-2-T

Ceiling: painted steel plate (crown gold) + acrylic+ LED downlight 【XTQ04-226D (XCY11)】  
 Back Wall: titanium gold hairline stainless steel+ titanium gold mirror etched stainless steel (HM—0138)  
 Side Wall: titanium gold hairline stainless steel+ titanium gold mirror etched stainless steel (Fixed width of 500)  
 Floor: 903C+TM-746A (Pvc) 【XTQ07-226】  
 Front Wall: titanium gold hairline stainless steel  
 Operation Panel: integrated, titanium gold hairline stainless steel



### XTQ01-1803-1-T

Ceiling: titanium gold hairline stainless steel veneering+ acrylic+ downlight 【XTQ04-24(T)】  
 Back Wall: titanium gold hairline stainless steel+ titanium gold mirror etched stainless steel (HM—2002—6(A))  
 Side Wall: titanium gold hairline stainless steel+ titanium gold mirror etched stainless steel (Fixed width of 500)  
 Floor: PVC parquet, TM-746A Emperador+TM-111-D01 【XTQ07-511】  
 Front Wall: titanium gold hairline stainless steel  
 Operation Panel: integrated, titanium gold hairline stainless steel



### XTQ01-1805-1-T

Ceiling: titanium gold hairline stainless steel veneering+ acrylic+ downlight 【XTQ04-24(T)】  
 Back Wall: titanium gold hairline stainless steel+ titanium gold mirror etched stainless steel (SY-982)  
 Side Wall: titanium gold hairline stainless steel+ titanium gold mirror etched stainless steel (Fixed width of 500)  
 Floor: PVC parquet, TM-746A Emperador+TM-111-D01 【XTQ07-511】  
 Front Wall: titanium gold hairline stainless steel  
 Operation Panel: integrated, titanium gold hairline stainless steel



# CAR DECORATION

## Platinum Series—Optional

### XTQ01-1710-2

Ceiling: hairline stainless steel veneering+ acrylic+ downlight 【XTQ04-254D】  
 Back Wall: hairline stainless steel+ mirror etched stainless steel (XIZI-1013)  
 Side Wall: hairline stainless steel+ mirror etched stainless steel (Fixed width of 500)  
 Floor: PVC parquet, Yihua TM111-D01+TM-746A(Dark Emperor) 【XTQ07-211】  
 Front Wall: hairline stainless steel  
 Operation Panel: integrated, hairline stainless steel



### XTQ01-226-2

Ceiling: painted steel plate (light coffee) + acrylic+ LED downlight 【XTQ04-226D】  
 Back Wall: hairline stainless steel+ mirror etched stainless steel (HM-0138)  
 Side Wall: hairline stainless steel+ mirror etched stainless steel (fixed width of 500)  
 Floor:903C+TM-746A (PVC) 【XTQ07-226】  
 Front Wall: hairline stainless steel  
 Operation Panel: integrated, hairline stainless steel



### XTQ01-1803-1

Ceiling: mirror stainless steel+ acrylic+ downlight 【XTQ04--24】  
 Back Wall: hairline stainless steel+ mirror etched stainless steel (HM-2002-6(A))  
 Side Wall: hairline stainless steel+ mirror etched stainless steel (fixed width of 500)  
 Floor: PVC parquet, Yihua 903C+Yihua 903D 【XTQ07-212】  
 Front Wall: hairline stainless steel  
 Operation Panel: integrated, hairline stainless steel



### XTQ01-1805-1

Ceiling: mirror stainless steel+ acrylic+ downlight 【XTQ04--24】  
 Back Wall: hairline stainless steel+ mirror etched stainless steel (SY-982)  
 Side Wall: hairline stainless steel+ mirror etched stainless steel (fixed width of 500)  
 Floor: PVC parquet, Yihua 903C+Yihua 903D 【XTQ07-212】  
 Front Wall: hairline stainless steel  
 Operation Panel: integrated, hairline stainless steel





# JIERUI SERIES| MACHINE-ROOM-LESS PASSENGER ELEVATOR

Series: Suitable For Shaft With A Short Headroom Height  
 Series: Suitable For Shaft With A Narrow Construction Width

Speed(m/s)								
2.5								
2.0								
1.75								
1.5								
1.0								
Load(kg)	630	680	800	1000	1050	1150	1350	1600

## Products

Load: 630-2000kg  
 Speed:1.0-2.5m/s

## Product Configuration

Traction Machine: permanent magnet synchronous gearless traction machine

Operation Panel: integrated double-32-bit-microcomputer control

Door Operator: permanent magnet variable frequency door operator

Door Protection: light curtain

### ① Energy-saving Traction Machine

The elevators use permanent magnet synchronous gearless traction machines, change traditional design, do not need excitation, and boast a low starting current, high drive efficiency and a more reasonable structure.

### ③ Save Space

The machine-room-less passenger elevator doesn't need a machine room on the top of buildings. All equipment are installed in the shaft. So, it saves building space and costs.

### ② Closed-loop Vector Microcomputer Control System

It uses double 32-bit CPUs, and adopts a multi-module coordinated control mode to ensure smoother, accurate, comfortable operation of elevators.

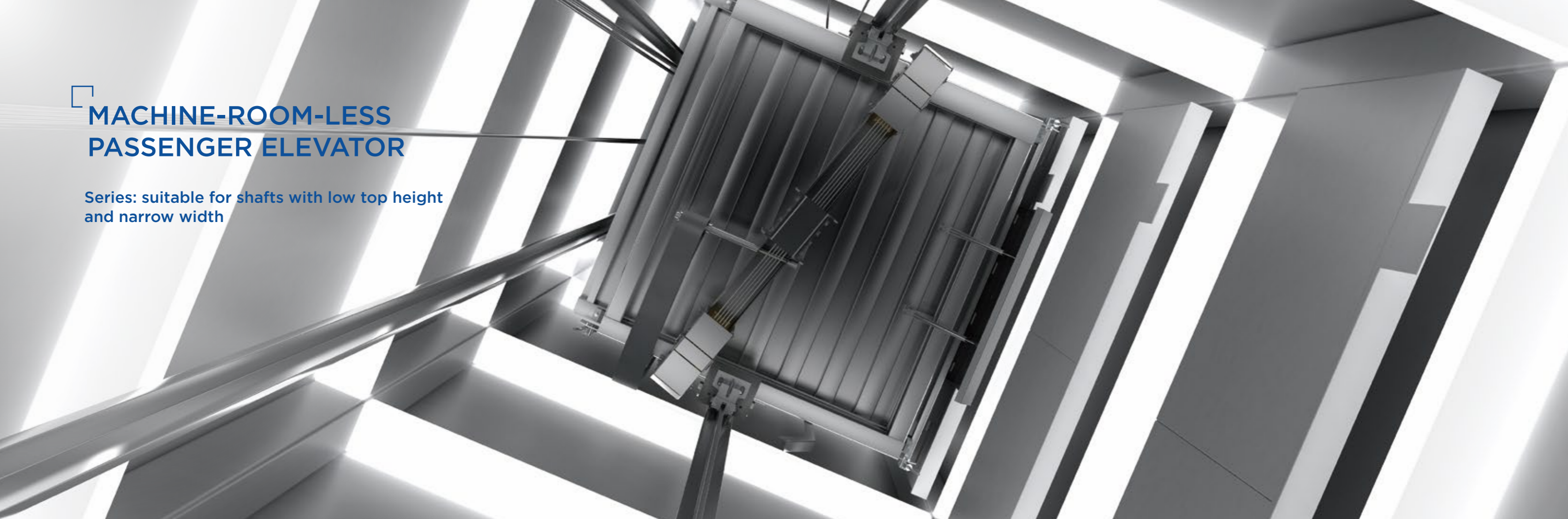
### ④ Diverse Monitors

Both car and Landing door monitors use LCD screens, which feature clear undistorted images, a large visual area and diverse novel styles.



# MACHINE-ROOM-LESS PASSENGER ELEVATOR

Series: suitable for shafts with low top height and narrow width



## Products

Load : 800kg、1000kg、1050kg  
Speed : 1.0-1.75 m/s

Speed(m/s)			
1.75			
1.5			
1.0			
Load(kg)	800	1000	1050

## Product Configuration

Traction Machine: ultrathin traction machine  
Operation Panel: integrated double-32-bit-microcomputer control  
Door Operator: permanent magnet variable frequency door operator  
Door Protection: light curtain



## Simplify Architectural Design

As it doesn't need a machine room and there is no load on the top of the shaft, architects enjoy more flexibility and convenience in design.

## Easy and Efficient Installation

Preinstallation and efficient installation ensure quick construction. Only smaller hoisting equipment is needed.

## Use Space Effectively

As it doesn't need a machine room, it can increase the usable space of buildings to the greatest extent possible.

## Easy to Maintain

It is easy to maintain the traction machine at the top of the car.

## Save Construction Costs

The machine-room-less elevator can save the time, materials, and costs of construction.

# MACHINE-ROOM-LESS PASSENGER ELEVATOR

Series: suitable for shafts with low Overhead height and narrow width

## Ultrathin Traction Machines

SURAPID elevators use ultrathin traction machines, do not need excitation, and boast a low starting current, high drive efficiency and a more reasonable structure.

### Front Encoder

A common encoder is used, which is more applicable.

### Motion of Rotatory Shafts

The motion of rotatory shafts meets the service conditions of bearings better than the motion of fixed shafts. Have a longer service life.

### Split-type Installation of Driving Sheaves

It is easier to maintain driving sheaves and rotors installed in a split-type way than those installed in an integrated way.

### Choose Quiet, Quick-fit Brakes

It is easy to adjust and maintain at construction sites.

### Process Verification of Ultrathin Traction Machines

Tensile Test of Steel Ropes (Deformation)



Deformation of Rear Bases 0.31mm  
Deformation of Rotors 0.32mm



Installation of SURAPID Ultra-thin Traction Machines

About 195mm (1000kg, 420mm)

# CAR DECORATION/ HUMAN-MACHINE INTERFACE

## Standard Configuration

Ceiling: XTQ04-254D+acrylic decoration  
 Back Wall: hairline stainless steel  
 Side Wall: hairline stainless steel  
 Floor:XTQ07-31 B1-7705(PVC)  
 Recommended Front Wall: hairline stainless steel



### Standard Configuration of Operation Panels

#### XCP2-A

Hop: rectangular Window:  
 6.4' LED+ acrylic  
 Button: emitting white light  
 Operation Panel: hairline stainless steel

#### Hop



Hop: amplified window  
 6.4' LED+ acrylic  
 Button: emitting white light

#### Button



BS34D  
 Emitting white light



### Standard Configuration of Calling boards

LCD Screen: 4.3' LED  
 Button: BS34F, emitting white light  
 Hall button: hairline stainless steel

#### Hop



4.3' LED

#### Button



BS34F



XHB12-L  
 Single Elevators/  
 Parallel and Split-type



XHB12-A  
 Parallel and Integrated

# OTHER DECORATION

## Optional Configuration

### Ceiling—Optional Configuration

XTQ04-262D



Hairline stainless steel veneering on right and left sides + painted steel plate (Baihecai) veneering at the front and the back+ painted steel plate (lusterless black) + translucent acrylic+ downlight

XTQ04-266D



Hairline stainless steel+ acrylic+ LED

XTQ04-23



Mirror stainless steel frame  
 Translucent acrylic panel

### Floor—Optional Configuration

XTQ07-68  
 PVC Series



XTQ07-71  
 PVC Series



XTQ07-210  
 PVC Series



XTQ07-24  
 Marble Series



XTQ07-1306  
 Marble Series



XTQ07-23  
 Marble Series



### Handrail—Optional Configuration

XTQ06-01



XTQ06-01A



XTQ06-01B



XTQ06-16





# HUMAN-MACHINE INTERFACE—OPTIONAL CONFIGURATION

## Optional Hops of Operation Panels



6.4' LED  
Segment Code Display



7' TFT



4.3' TFT-LCT  
Red World



4.3' TFT-LCD  
Dance of Wind

## Operation Panel XCP12-C



### Hop



6.4' LED  
Display+Acrylic

### Button



BS34R  
Black Character

## Operation Panel XCP12-F



### Hop



6.4' LED  
Display+Acrylic

### Button



BS34R  
Black Character

# CAR DECORATION

## Hotel Series—Optional Configuration

### XTQ01-1351

Ceiling: XTQ04-1351 stoving finish steel plate+ gold foil+ downlight+ crystal ceiling light  
 Back Wall: Sapele wood veneering+ leather+ rose gold mirror stainless steel trim strip  
 Side Wall: rose gold mirror stainless steel+ leather+ rose gold mirror stainless steel trim strip  
 Floor: XTQ07-1351 stone parquet  
 Handrail: XTQ06-1351 wood handrail  
 Recommended Front Wall: rose gold mirror stainless steel  
 Remark: the style of crystal lamps varies according to crystal lamps available in the market.



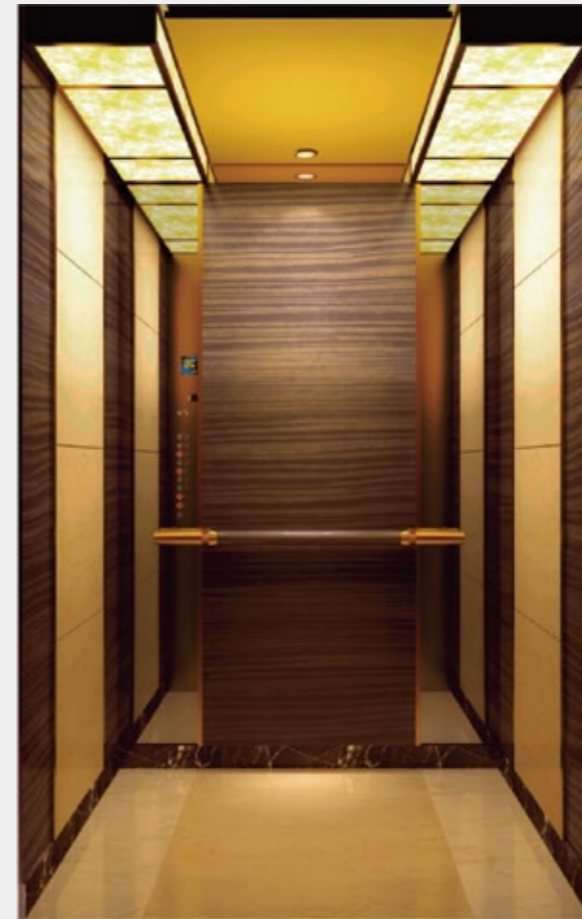
### XTQ01-1360

Ceiling: XTQ04-1360 Sapele+ frosted stainless steel+ gold foil+ downlight  
 Back Wall: Sapele wood veneering+ ebony+ rose gold mirror stainless steel trim strip+ rose gold mirror stainless steel+ artistic glass  
 Side Wall: Sapele wood veneering+ ebony+ rose gold mirror stainless steel trim strip+ rose gold mirror stainless steel+ artistic glass  
 Floor: XTQ07-1360 stone parquet  
 Recommended Front Wall: rose gold mirror stainless steel



### XTQ01-1362

Ceiling: XTQ04-1362 titanium gold hairline stainless steel+ translucent marble panel+ painted steel plate+ downlight  
 Back Wall: ebony veneering+ titanium gold hairline stainless steel trim strip+ titanium black mirror stainless steel  
 Side Wall: ebony veneering+ titanium gold hairline stainless steel trim strip+ honeycomb marble panel  
 Floor: XTQ07-1360 stone parquet



### XTQ01-113-2

Suspended Ceiling: XTQ04-128 translucent marble+ stoving varnish steel plate  
 Side Wall: titanium gold mirror stainless steel+ titanium black mirror stainless steel  
 Back Wall: titanium gold mirror etched stainless steel+ titanium black mirror stainless steel+ titanium gold mirror stainless steel  
 Floor: XTQ07-66 stone parquet  
 Recommended Front Wall: titanium gold mirror stainless steel



# CAR DECORATION

## Residence Series—Optional Configuration

### XTQ01-1709

Ceiling: XTQ04-230D hairline stainless steel veneering+ acrylic+ downlight  
 Back Wall: hairline stainless steel+ mirror stainless steel  
 Side Wall: hairline stainless steel+ mirror stainless steel  
 Handrail: XTQ06-01B circularly-brushed 304 stainless steel  
 Floor: XTQ07-31 single color PVC  
 Recommended Front Wall: hairline stainless steel



### XTQ01-79

Ceiling: XTQ04-89 hairline stainless steel frame+ mirror stainless steel ceiling+ acrylic+ downlight  
 Back Wall: mirror etched (XIZI-1013) + hairline stainless steel  
 Side Wall: mirror stainless steel+ hairline stainless steel  
 Handrail: XTQ06-01B round circularly-brushed stainless steel tube  
 Floor: XTQ07-30 parquet PVC  
 Recommended Front Wall: hairline stainless steel



### XTQ01-1710

Ceiling: XTQ04-254D hairline stainless steel veneering+ acrylic+ downlight  
 Back Wall: hairline stainless steel+ mirror etched stainless steel  
 Side Wall: hairline stainless steel+ mirror stainless steel  
 Handrail: XTQ06-01B circularly-brushed 304 stainless steel  
 Floor: XTQ07-31 single color PVC  
 Recommended Front Wall: hairline stainless steel



### XTQ01-1711

Ceiling: XTQ04-231D hairline stainless steel veneering+ acrylic+ downlight  
 Back Wall: hairline stainless steel+ mirror etched stainless steel  
 Side Wall: hairline stainless steel  
 Handrail: XTQ06-01B circularly-brushed stainless steel  
 Floor: XTQ07-31 single color PVC  
 Recommended Front Wall: hairline stainless steel





# JIEYUN SERIES | PANORAMIC ELEVATORS

Have Lots of Fun while Riding Elevators

## Provide Great Panoramic Views

With varied designs and high quality, the Jieyun Series can meet design requirements of different buildings, naturally integrate into buildings, and endow buildings with specific characters and vitality.

## Intelligent Control System

The control system adopts the VVVF system and a modular structure fully designed by computer to ensure efficient, comfortable, safe operation of elevators.

## Advanced Technologies

- Independently developed all control panels, converters, and Hops. Hold 106 patents.
- Adopt integrated double-32-bit-microcomputer control
- It is easy to debug and can be debugged remotely.
- After power failure or failure recovery, automatically learn the angle of the encoder.
- Upgrading of handheld equipment of the OMU
- Debugging of the mobile phone app

## Smart Factory

- The function of 6-minute intelligent automatic inspection of Operation Panels ensures traceability of products.
- The grade of dust resistance can reach level 100,000 for lean production of PCBs.
- Through automatic input and testing, the influence of human factors on production is removed.

## Reliable Quality

- The elevators pass more than 100 strict tests before leaving the factory. The fault rate is lower than 0.3%.
- Achieve the group control of 8 elevators.
- All pass strict environment, electronics, machinery, and EMC tests.



# GREAT PANORAMIC VIEWS

Enable You to Have Lots of Fun While Riding Elevators



## Remote Hoping Management System ✕

The Hoping center achieves the Hoping, control and report of elevators and manages their key operation functions via remote networking to ensure safety use of elevators through remote Hoping and management.

## Focus on Details Personalized Design

The Jieyun panoramic elevators adopt multiple design styles, focus on details, perfectly integrate into buildings through rich personalized styles, create harmonious flexible spaces, and complement buildings.



## A Wide Field of Vision Offering Great Panoramic Views

With 270° views, the large safety glass enables you to enjoy outside beautiful views and urban prosperity from different angles.

## Early Door Opening Device

When the elevator approaches the door opening area, it will open the door in advance and slowly move to the leveling position under the safe condition.

Remark: ✕ Optional function



# CAR DECORATION

## Square (Standard Configuration)



Model: XTQ08-681  
(Economical Optional Configuration)  
Suspended Ceiling: XTQ04-254D

### XTQ08-68-1

Overhead and Bottom Covers: hairline stainless steel  
Suspended Ceiling: XTQ04-71 (hairline stainless steel+ acrylic)  
Side and Back Walls: hairline stainless steel+ laminated tempered glass  
Front Wall: hairline stainless steel  
Handrail: XTQ06-01B  
Floor: XTQ07-31 (PVC)

### Optional Ceilings



### Optional Handrails



### Optional Floors



# CAR DECORATION

## Round (Standard Configuration)

### XTQ08-71

Overhead and Bottom Covers: simple Over-head and bottom covers  
Suspended Ceiling: XTQ04-701 (hairline stainless steel+ downlight)  
Side and Back Walls: hairline stainless steel+ laminated glass  
Handrail: XTQ06-22A  
Floor: XTQ07-31 (PVC)



### XTQ08-72

Remark: optional round standard configuration for all panoramic elevators



### Optional Ceilings



### Optional Floors



# CAR DECORATION

## Rhombic (Standard Configuration)



### XTQ08-303

Overhead and Bottom Covers: simple Overhead and bottom covers  
 Ceiling: XTQ04-129A (long-hairline stainless steel+ acrylic)  
 Side and Back Walls: long-hairline stainless steel+ laminated tempered glass (6+6)  
 Handrail: XTQ06-25D  
 Floor: XTQ07-31 (PVC)

### Optional Ceilings

XTQ04-700



XTQ04-17



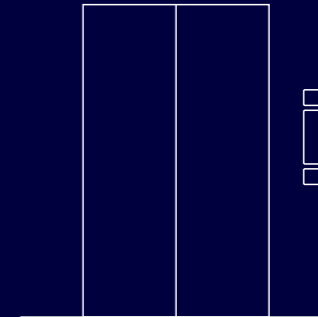
### Optional Floors

XTQ07-301A  
 ( PVC )



# HUMAN-MACHINE INTERFACE

## Standard Configuration



### Standard Configuration of Calling boards XHB12-A

LCD Screen: 4.3' LED  
 Button: XBS34H  
 Calling board: hairline stainless steel

#### Main Landing Lock



#### Hop



4.3' LED

#### Button



XBS34H

#### Hop



6.4' LED

#### Button



BS34D



### Standard Configuration of Operation Panels XCP12-A

Hop: 6.4' LED  
 Button: emitting white light  
 Operation Panel: hairline stainless steel

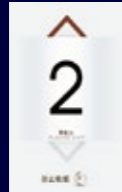


# HUMAN-MACHINE INTERFACE

## Optional Configuration

### Optional Operation Panels

#### Hop



7" TFT

#### Button

Touch Button  
Optional Emitting Color: white



BS34E

### Optional Calling Boards Hop

#### Hop

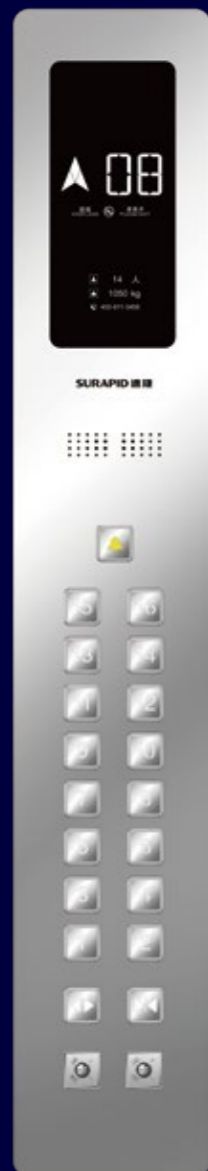


4.3" TFT



4.3" TFT-LCT Red World

### Operation Panel XCP12-A



### Calling Board XHB12-A

Panel: mirror stainless steel



### Operation Panel XCP12-A



### Calling Board XHB12-A

Panel: titanium gold mirror stainless steel



### Optional Panel Materials of Operational Panels

- 1.Hairline stainless steel
- 2.Mirror stainless steel
- 3.Titanium gold mirror

### Optional Panel Materials of Calling boards

- 1.Hairline stainless steel
- 2.Mirror stainless steel
- 3.Titanium gold mirror

### Button: Emitting white color

Optional Emitting Color: red

### Button Panel Materials

- 1.Hairline stainless steel
- 2.Mirror stainless steel
- 3.Titanium gold mirror

### Optional Calling Style XHB11-C

Hop: XHB11-C (LED Display)  
Button: BR34E/BR34E(B) button  
Panel: hairline/mirror 304 stainless steel



### Optional Integrated Operation Panel XCP2-A2

#### Hop



6.4" LED Display

#### Button



BS34D

### Optional Hops of Operation Panels



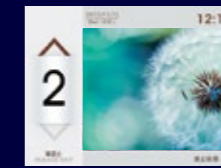
6.4" LED



7" TFT



6.4" STN



10.4" TFT

### Optional Buttons of Operation Panels



BR32A  
(Only Frosted Effect)



BR32A(B)  
(Only Frosted Effect)



XBR27D(K)



XBR27D



XBR27D(B)



**BRAND-NEW EXPERIENCES  
ENJOY THE  
BEAUTY OF LIFE**



## CAR DECORATION Optional Configuration Square Panoramic Car Series

※ The pictures are for illustrative purposes only and may differ from actual products.



**XTQ08-691-3**

Overhead and Bottom Covers: simple Overhead and bottom covers  
Suspended Ceiling: hairline stainless steel+ acrylic+ laminated glass  
Back Wall: laminated glass  
Side Wall: hairline stainless steel+ laminated glass  
Handrail: round mirror stainless steel tube handrail fixed on the floor  
Floor: PVC (XTQ07-31)  
Recommended Front Wall: hairline stainless steel+ laminated glass



**XTQ08-691**

Overhead and Bottom Covers: simple Overhead and bottom covers  
Suspended Ceiling: hairline stainless steel+ acrylic (XTQ04-88)  
Back Wall: laminated glass  
Side Wall: hairline stainless steel+ laminated glass  
Handrail: round mirror stainless steel tube handrail fixed on the floor (XTQ06-692D)  
Floor: PVC (XTQ07-31)  
Recommended Front Wall: hairline stainless steel



**XTQ08-1502**

Overhead and Bottom Covers: stoving varnish steel plate (bluish silver) + hairline stainless steel+ mirror stainless steel  
Suspended Ceiling: hairline stainless steel+ acrylic+ LED downlight (XTQ04-82)  
Back Wall: hairline stainless steel+ laminated glass  
Side Wall: hairline stainless steel+ laminated glass  
Handrail: round mirror stainless steel tube handrail fixed on the floor (XTQ06-221)  
Floor: PVC (XTQ07-1307)  
Recommended Front Wall: hairline stainless steel



**XTQ08-611**

Overhead and Bottom Covers: mirror etched stainless steel (HM-95)  
Suspended Ceiling: mirror stainless steel frame+ acrylic+ downlight (XTQ04-08)  
Back Wall: mirror stainless steel+ laminated glass  
Side Wall: mirror stainless steel+ laminated glass  
Handrail: round mirror stainless steel tube handrail fixed on the floor (XTQ06-21B)  
Floor: PVC (XTQ07-60)  
Recommended Front Wall: mirror stainless steel

# CAR DECORATION

## Optional Configuration

### Round Panoramic Car Series

# CAR DECORATION

## Standard Configuration

### Rhombic Panoramic Car Series

#### XTQ08-712

Overhead and Bottom Covers: hairline stainless steel+ acrylic (non-luminous)  
 Suspended Ceiling: stoving varnish steel plate (aurora silver) + acrylic+ LED downlight (XTQ04-705A)  
 Back Wall: hairline stainless steel+ laminated glass  
 Side Wall: hairline stainless steel  
 Handrail: round mirror stainless steel tube handrail fixed on the floor (XTQ06-22D)  
 Floor: PVC(XTQ07-31)  
 Recommended Front Wall: hairline stainless steel



#### XTQ08-721

Overhead and Bottom Covers: stoving varnish steel plate (aurora silver+ pearly gold)  
 Suspended Ceiling: aurora silver stoving varnish steel plate+ ivory acrylic+ LED downlight (XTQ04-721)  
 Side and Back Walls: short-hairline stainless steel+ laminated glass  
 Handrail: XTQ06-22D  
 Floor: PVC (XTQ07-721)  
 Recommended Front Wall: hairline stainless steel



#### XTQ08-1505

Overhead and Bottom Covers: gilded frosted stainless steel+ frosted acrylic  
 Suspended Ceiling: stoving varnish steel plate (shiny silver and titanium gold) + silk-screen acrylic+ LED downlight (XTQ04-G1505)  
 Back Wall: titanium gold frosted stainless steel+ laminated glass  
 Side Wall: titanium gold frosted stainless steel+ titanium gold mirror etched stainless steel  
 Handrail: flat titanium gold hairline stainless steel handrail+ titanium gold mirror stainless steel support grounded on the floor (XTQ06G1505)  
 Floor: stone parquet (XTQ07-G1505)  
 Recommended Front Wall: titanium gold frosted stainless steel



#### XTQ08-1301

Overhead and Bottom Covers: sandblasting long-hairline stainless steel  
 Suspended Ceiling: hairline stainless steel + acrylic + LED downlight (XTQ04-G1301)  
 Side and Back Walls: hairline stainless steel+ laminated glass  
 Handrail: XTQ06-26C  
 Floor: PVC (XTQ07-G1301)  
 Recommended Front Wall: hairline stainless steel



#### XTQ08-301

Overhead and Bottom Covers: stoving varnish steel plate (pearly gold) + decorative LED light  
 Suspended Ceiling: aurora silver stoving varnish steel plate+ acrylic (XTQ04-301)  
 Back Wall: hairline stainless steel+ laminated glass  
 Side Wall: hairline stainless steel+ laminated glass  
 Handrail: XTQ06-25C  
 Floor: PVC (XTQ07-301A)  
 Recommended Front Wall: hairline stainless steel



#### XTQ08-302

Overhead and Bottom Covers: stoving varnish steel plate (aurora silver)  
 Suspended Ceiling: aurora silver stoving varnish steel plate+ acrylic (XTQ4-301)  
 Back Wall: hairline 304 stainless steel+ laminated glass  
 Side Wall: hairline 304 stainless steel+ laminated glass  
 Handrail: XTQ06-25C  
 Floor: PVC (XTQ07-31)  
 Recommended Front Wall: hairline stainless steel

※ The pictures are for illustrative purposes only and may differ from actual products.



## JIERUN SERIES | HOSPITAL ELEVATORS

Efficiently transport passengers for you



### Anti-interference Design Eliminating Hidden Dangers

This series fully meets relevant electromagnetic compatibility standards and can effectively avoid the electromagnetic interference between all kinds of precision equipment and elevators signals in medical institutions. It eliminates electromagnetic pollution and meets the demand of modern medical systems.

### Emergency Evacuation Device for Power Failure ✕

When the normally running elevator stops suddenly because of a sudden power failure, the device acts immediately and drives the elevator to move to the leveling position at a low speed. After leveling, it gives a voice prompt while opening the door to evacuate passengers.



### Anti-nuisance ✕

To avoid mischiefs or error car instructions, the computer cancels abnormal instructions by logical judgement on load to ensure normal elevator operation and comfortable user experiences.

### Accessible Function ✕

Provide better, safer services for disabled users.

Remark: ✕ Optional function





## PERSONALIZED DESIGN

### Show The Infinite Appeal Of Buildings

It is SURAPID's responsibility to make your building space more user-friendly.

SURAPID puts itself in your shoes in all aspects, such as appearance and user experiences.

#### Super-large Space More Accessible

It fully considers the needs of special crowds. The wide car door and the long car depth enable sickbeds and medical equipment to get in and out of the elevator smoothly and conveniently.



#### Emergency Call VIP Treatment

In case of emergency, passengers in the car can press this button and then the elevator will respond to your call immediately. The button at a low position is user-friendly for the disabled and children.



#### Comfortable Personalized Design

The car walls and flooring are easy to clean and durable. With soft lamplight and a few colors, it creates a warm comfortable space for patients and doctors to the greatest extent possible.



German IF Industrial Design Award  
XHB6-A&XHB7-A

# GREAT CARE

Always Take Good Care of You



The Jierun hospital elevators start, stop, and run smoothly, creating very comfortable user experiences for patients. The design strengthening safety performance effectively, and lowers the rate of accidental breakdowns.

The Jierun hospital elevators are specially customized for hospitals, medical institutions, rehabilitation centers, nursing homes, etc. Considering the characteristics of medical venues, we give priority to safety and health. While being efficiently transported to their destinations, patients can also have a smooth and comfortable experience.

Speed(m/s)					
4.0					
3.0					
2.5					
2.0					
1.75					
1.5					
1.0					
Load(kg)	1000	1150	1350	1600	2000

## Products

Load Range: 1,000-2,000kg      Speed Range: 1.0-4.0m/s

## Product Configuration

Traction Machine: permanent magnet synchronous gearless traction machine  
 Operation Panel: integrated double-32-bit-microcomputer control  
 Door Operator: permanent magnet variable frequency door operator  
 Door Protection: light curtain

# CAR DECORATION/ HUMAN-MACHINE INTERFACE

## Standard Configuration

Suspended Ceiling: XTQ04-H17 painted steel plate (light grey) + acrylic+ injection molding parts  
 Back Wall: hairline stainless steel  
 Side Wall: hairline stainless steel  
 Handrail: XTQ06-16 flat hairline stainless steel handrail  
 Floor: XTQ07-31 Yihua B1-7705(PVC)  
 Recommended Front Wall: hairline stainless steel



### Standard Configuration of Operation Panels XCP12-A

Monitor: 6.4' LED  
 Button: emitting white light  
 Operation Panel: hairline stainless steel



#### Monitor



6.4' LED

#### Button



BS34D

### Standard Configuration of Calling boards XHB12-A

LCD Screen: 4.3' LED  
 Button: XBS34H, emitting white light  
 Calling board: hairline stainless steel

#### Monitor

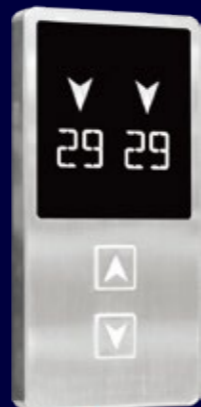


4.3' LED

#### Button



XBS34H



# OTHER OPTIONAL DECORATION

## Suspended Ceiling-Optional

XTQ04-H1392



XTQ04-H21



XTQ04-H129



## Handrail—Optional Configuration

XTQ06-01A



XTQ06-01B



XTQ06-03



XTQ06-04

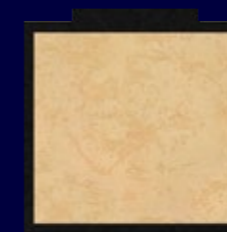


## Floor—Optional Configuration

XTQ07-68  
 PVC Series



XTQ07-71  
 PVC Series

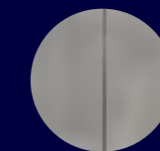


## Landing Door Decoration-Optional

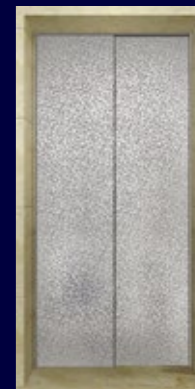
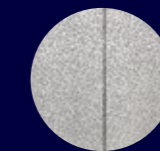
XTQ09-08P  
 Short-hairline Stainless Steel



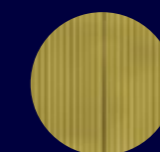
XTQ09-11P  
 Mirror Stainless Steel



XTQ09-1377P  
 Mirror Etched (HM-4)



XTQ09-114P  
 Titanium Gold Mirror Etched  
 Stainless Steel



# HUMAN-MACHINE INTERFACE—OPTIONAL

## Optional Monitors of Operation Panels



6.4' LED  
Segment Code Display



7' TFT

## Monitor



4.3' LED  
Segment Code Display



4.3' TFT-LCD  
Dance of Wind

## Operation Panel XCP12-L

### Monitor



6.4' LED  
Segment Code Display

### Button



BS34D

## Calling Board XHB12-L

Panel: Mirror stainless steel



BS34F



## Operation Panel XCP12-L

### Monitor



6.4' LED  
Segment Code Display

### Button



BS34D

## Calling Board XHB12-L

Panel: Titanium mirror stainless steel



BS34F



## Optional Panel Materials of Operational Panels

1. Hairline stainless steel
2. Mirror stainless steel
3. Titanium mirror

## Optional Panel Materials of Calling boards

1. Hairline stainless steel
2. Mirror stainless steel
3. Titanium mirror

## Button: Emitting white color

Optional Emitting Color: red

## Button Panel Materials

1. Hairline stainless steel
2. Mirror stainless steel
3. Titanium mirror

## Optional Calling Style XHB11-C

Monitor: XHB11-C (LED Display)  
Button: BR36E\BR36E(B) button  
Panel: hairline/mirror 304 stainless steel



BR36E

## Optional Integrated Operation Panel XCP2-A

### Monitor



6.4' LED Display

### Button



BS34D



## Optional Monitors of Operation Panels



6.4' LED



7' TFT



6.4' STN



10.4' TFT

## Optional Buttons of Operation Panels



BR32A  
(Only Frosted Effect)



BR32A(B)  
(Only Frosted Effect)



XBR27D(K)



XBR27D



XBR27D(B)

# CAR DECORATION

## Optional Configuration

### XTQ01-H1391

Suspended Ceiling: XTQ04-H21 painted steel plate (pearly silver) + arc-shaped acrylic  
 Back Wall: mirror stainless steel+ hairline stainless steel  
 Side Wall: mirror stainless steel+ hairline stainless steel  
 Handrail: XTO06-16 flat hairline stainless steel handrail  
 Floor: XTO07-31 Single Color PVC  
 Recommended Front Wall: hairline stainless steel



### XTQ01-H1390-1

Suspended Ceiling: XTQ04-H1392 hairline stainless steel + LED downlight  
 Back Wall: hairline stainless steel  
 Side Wall: hairline stainless steel  
 Handrail: XTO06-16 flat hairline stainless steel handrail  
 Floor: XTO07-31 Single Color PVC  
 Recommended Front Wall: hairline stainless steel



### XTQ01-H1392

Suspended Ceiling: XTQ04-H1392 hairline stainless steel+ acrylic+ LED downlight  
 Back Wall: mirror etched stainless steel (HM-983)  
 Side Wall: mirror etched stainless steel (HM-983)  
 Handrail: XTQ06-04 three-tube mirror stainless steel handrail  
 Floor: XTQ07-1392 parquet PVC  
 Recommended Front Wall: hairline stainless steel



### XTQ01-H1352

Suspended Ceiling: XTQ04-H1352 painted steel plate (crown gold)+ acrylic  
 Back Wall: titanium gold mirror etched stainless steel (HM-0138) + hairline stainless steel  
 Side Wall: titanium gold mirror etched stainless steel (HM-038) + hairline stainless steel  
 Handrail: XTQ06-01B round circularly-brushed stainless steel tube  
 Floor: XTQ07-1352 parquet PVC  
 Recommended Front Wall: hairline stainless steel



# FUNCTION LIST OF PASSENGER ELEVATORS

## Operation Function

<b>Full Collective Selective Operation</b>	After comprehensively analyzing and judging upward and downward hall call signals, floor-selecting instructions in the car and other various signals, the elevator will automatically prioritize signals consistent with the operation direction of the motor and respond to them in sequence.	●
<b>Full-load Non-stop</b>	When the car reaches the preset full-load value, the elevator will enter the full-load non-stop state, not respond to the hall call any more, turn on the full-load light in the hall, and directly respond to the instructions in the car to move to the designated floors.	●
<b>Reinitialized Operation</b>	When position signals are not retained or the car position is uncertain after the recovery of power supply, the elevator will move to the terminal landing for repositioning. After the repositioning, the position monitor shows the position of the elevator. And then, the elevator resumes normal operation.	●
<b>Correcting Operation</b>	During elevator operation, the system automatically corrects small landing and car position errors, and minimizes the landing error.	●
<b>Shaft Position Self-learning</b>	It has the shaft position self-learning function and stores shaft position signals. When running normally, the elevator achieves landing and stops directly.	●
<b>One-push Shaft Self-learning</b>	The elevator can achieve one-push shaft self-learning by pushing the LRN DIP switch, which facilitates installation and debugging on construction sites.	●
<b>Automatic Cancellation of Opposite Direction Instructions</b>	When moving upwards or downwards, the elevator can automatically cancel the instructions which are opposite to the current moving direction.	●
<b>Cancellation of False Instructions</b>	When an instruction has been registered, users can cancel the registered instruction by repeatedly pressing the button before the elevator starts. However, after the elevator starts, the system forbids the cancellation of registered signals to ensure the safety of passengers.	●
<b>Cancellation of Waiting Time for Door Closing</b>	When the door maintains a full-open state in the delayed door opening stage under the automatic condition, users can press the door close button to immediately close the door in advance.	●
<b>Door Open Button</b>	The operation panel in the car is equipped with a touch button for passengers to flexibly open the door according to their needs.	●
<b>Door Close Button</b>	The operation panel in the car is equipped with a touch button for passengers to flexibly close the door according to their needs.	●
<b>Door Open Button Light</b>	When the door open button is pressed, the button light will be turned on, which indicates a successful response.	●
<b>Door Close Button Light</b>	When the door close button is pressed, the button light will be turned on, which indicates a successful response.	●
<b>Separate Control of Landing and Car Doors</b>	The waiting time for door opening caused by hall calls is longer than that caused by instructions made in the car according to statistics. This function improves the overall operation efficiency by independently adjust the time for keeping the doors open when the elevator responds to the calls and instructions.	●
<b>Door Opening by Hall Call</b>	When the door is closing normally, the elevator will open the door again if the direction of the pressed hall button is the same as the moving direction of the elevator.	●
<b>Automatically Return to Main Landing</b>	When there is only a single elevator, the main landing can be set according to the actual needs of the building. If there isn't call or instruction registration within a preset time, the car will automatically return to the main landing, close the door and be on standby. Usually, the main landing is set on the floor having heavy traffic or on the first floor.	●
<b>Car Roof Inspection Operation</b>	The car roof is equipped with an inspection cabinet, which makes inspection and maintenance safer and more convenient.	●

<b>Starting Torque Compensation</b>	To ensure a better experience when the elevator starts, the system calculates the load of the car and achieves optimization through starting torque compensation.	●
<b>Function of Not Registering Opposite Direction Instructions</b>	When the elevator is moving upwards or downwards, the instructions, which are opposite to the current moving direction, can be set to be unable to register.	●
<b>Positioning-free</b>	In case of power failure, parameter changes and faults, the drive automatically captures magnetic poles without the need of manual intervention for positioning before working again.	●
<b>Removal of Currents by Ramp</b>	During the use of the permanent magnet synchronous motor, after the elevator slows down and stops, the holding current of the motor is removed by ramp to avoid abnormal noise of the motor during the process.	●
<b>Recognition of Sticky Hall Buttons</b>	The system can recognize a sticky hall button and automatically remove its sticky call to prevent the elevator from being unable to close the door because of the sticky hall button.	●
<b>Reduce Carrier Frequency for Maintenance</b>	Under the condition of ensuring basic functions of running elevators, to protect the drive base to the greatest extent possible, an operation mode is added, which automatically adjusts the carrier frequency to 6KHz during inspection operation.	●
<b>Zero-speed Stop During Inspection</b>	This function greatly reduces the damage to the band-type brake of the traction machine caused by the non-zero-speed stop during inspection.	●
<b>Car Arrival Bell</b>	It is equipped on the top of the car. When the elevator arrives at the landing floor, it will make clear and melodious sounds to remind passengers that they have arrived.	●
<b>Open the Door in Advance</b>	When approaching the door area, the elevator will open the door in advance and slowly move to the leveling position under the safe condition.	●
<b>Automatic Releveling</b>	When deviation between the car sill and the landing sill caused by passengers getting in and out of the elevator and other reasons which lead to load changes exceeds a certain value, the elevator will automatically relevel to move the car to the accurate leveling position.	○
<b>Parallel/ Group Control Function</b>	This function is used for the group control of two or more than two elevators of the same model. It enables the elevator group to automatically choose the most suitable response to avoid the repeated stop of elevators, to shorten passengers' waiting time, and to improve the operation efficiency.	○
<b>Door Open Button</b>	When more passengers enter the car and need to extend the door opening time, they can press the door open button on the operation panel. When an elevator of the group control system keeps door open, the system will automatically transfer the hall call signal allocated to this elevator to other elevators.	○

## Safety Functions

<b>Overload Protection</b>	When the load of the car exceeds the allowable rated load, the overload buzzer will produce a buzzing sound as a signal of overload. At the time, it shows overload, the door of the car doesn't close and the elevator can't start.	●
<b>Overheat Protection of Drive Equipment</b>	When the temperature of the motor exceeds the preset value as the temperature of the machine room is too high or the motor generates heat during operation, the elevator will automatically enter the protection state and stop at the closest landing.	●
<b>Terminal Landing Protection</b>	When the elevator arrives at the terminal landing but its speed doesn't reduce to the preset value, the system will slow it down forcibly to protect its safe operation.	●

● Standard ○ Optional

# FUNCTION LIST OF PASSENGER ELEVATORS

<b>Car Door Opening Protection</b>	When the elevator can't open the door within the preset time because of reasons like mechanical blocks, it will cancel the hall and in-car call signals and move to the closest landing to release passengers.	●
<b>Car Door Closing Protection</b>	When the elevator can't close the door within the preset time because of reasons like mechanical blocks and can't detect door closing signals after closing the door three times, the elevator will automatically enter the protection state. When the elevator detects normal closing of the door, it will resume normal operation.	●
<b>Delayed Car Door Closing Protection</b>	When the door opening time exceeds the preset time as the hall button is pressed or there are other reasons, the elevator will close the door forcibly to respond to other signals. When the door doesn't close properly after the elevator closes the door forcibly several times, the elevator will stop operation and opens the door, and the hall and in-car call signals will be automatically cancelled. When the elevator detects the normal closing of the door, the elevator resumes normal operation.	●
<b>Door Closing Torque Protection</b>	If the reverse resistance exceeds the preset torque value when the door is closed, the elevator will open the door again.	●
<b>Light Curtain Door Protection</b>	The infrared lights emitted from the light curtain device scan all objects entering the detection area to form a sensitive and safe infrared screen. Once the infrared lights are interfered, the elevator door will reopen quickly and won't hurt passengers, thus ensuring that passengers get in and out of the elevator safely and conveniently.	●
<b>Fault Self-diagnosis</b>	When the control system automatically detects the abnormal phenomena of the control loop, it stops the elevator automatically to ensure passenger safety.	●
<b>Function of Monitoring Power Grid Wave Filtering</b>	If the voltage of the power grid fluctuates continuously within a period, the system will automatically give an alarm.	●
<b>Function of Detecting Speed Feedback</b>	Once the system detects the difference between the actual speed and the given speed, it will automatically disconnect the safety circuit and give an alarm.	●
<b>Function of Detecting Band-type Brake Feedback</b>	It monitors the signals of the band-type brake relay during the whole process. When it detects the difference between the actual condition of the band-type relay and the preset instruction, the elevator stops operation.	●
<b>Function of Detecting Contactor Feedback</b>	Whether the elevator is on standby or is running, the system will detect the condition of the output relay. Once the contactor is in an abnormal state, the system will give an alarm.	●
<b>Short Circuit Detection of Door Locks</b>	Whether the elevator is on standby or is running, the system will detect the condition of the output relay. Once the contactor is in an abnormal state, the system will give an alarm.	●
<b>Door Bypass Device</b>	For elevator inspection, a unique bypass device can be connected to the landing and car door locks by a short circuit. After the short circuit, the elevator can only be operated for inspection or emergency electric operation, with the prompt of the audible and visual alarm system during operation. (Standard Configuration for Machine-room-less Gearless Traction Machines)	○
<b>UCMP Function</b>	It prevents the car which keeps the door open in the unlocking area from unintended movements without instructions.	●
<b>Terminal Floor Protection</b>	When the elevator arrives at the terminal floor but the speed doesn't reduce to the preset value, the system will slow it down forcibly to ensure its safety operation.	●
<b>Band-type Brake Torque Inspection</b>	The elevator system can inspect the brake torque automatically or manually.	●

## ▼▲ Human-Machine Interface

<b>Hall and In-car Direction Light Prompt</b>	There are arrow-shaped indicator lights on the operation panel and the calling board for passengers to learn the moving direction of the elevator conveniently.	●
<b>Digital Hall/In-car Display</b>	The operation panel and the calling board of each floor show the landing of the elevator by 16-segment digital display at any time for passengers to know the current position of the elevator.	●
<b>Hall and In-car Digital LCD</b>	The operation panel and the calling board of each floor show the landing of the elevator by digital LCD for passengers to know the current position of the elevator.	○
<b>Hall and In-car Color LCD</b>	The operation panel and the calling board of each floor adopt high-end color LCD.	○

<b>In-car Multimedia Color Display</b>	The in-car operation panel adopts high-end color LCD and can play multimedia information according to user needs.	○
<b>Hall Arrival Light/Bell</b>	Installed in the hall, it reminds passengers that the elevator is arriving by the upward and downward indicator lights and the built-in audio device.	○



## Emergency Functions

<b>Emergency Electric Operation of the Machine Room</b>	The control cabinet of the machine room is provided with an emergency electric operation device for emergency rescue.	●
<b>In-car Emergency Lighting</b>	The in-car emergency lighting device starts during power failure.	●
<b>In-car Alarm Button</b>	In special circumstances, passengers can press the in-car alarm button to inform the outside world.	●
<b>Intercom</b>	In special circumstances, passengers can maintain voice communication with the machine room and the monitoring center by intercom devices installed on the operation panel, the car roof, and the car platform.	●
<b>Prompt of Fire</b>	When entering the state of fire control, the elevator displays prompt information in the car.	●
<b>Emergency Fire Control</b>	After receiving the fire alarm signal when a fire starts in the building, the system will cancel all instructions and calling signals, drive the elevator to directly return to the fire exit floor and open the door to evacuate passengers. After the elevator successfully stops at the main landing, the control system provides the signal of successful emergency landing for the fire control center while displaying the fire prompt.	●
<b>Emergency Fireman Service</b>	After the successful emergency landing, the elevator returns to the fire exit floor and evacuate passengers. Then, the elevator enters an independent service state for firemen to use.	○
<b>Emergency Power Source Operation</b>	After elevators are connected to the emergency power source of customers in case of power failure, cars in the group control system move to the designated (next) landing one by one and open the doors to release passengers. According to user needs, the group control system can designate some elevators for normal service operation. After the power source returns to normal, all elevators automatically resume normal operation.	○
<b>Emergency Evacuation Device for Power Failure</b>	When the normally running elevator stops suddenly because of a sudden power failure, the device acts immediately and drives the elevator to move to the leveling position at a low speed. After leveling, it gives a voice prompt while opening the door to evacuate passengers.	○
<b>Integrated ARD Function</b>	In case of power failure, the elevator can move the car to the next landing and open the door to release passengers through an external UPS equipment. After its power source returns to normal, the elevator automatically resumes normal operation.	○
<b>Integrated HSD Function</b>	In case of power failure, the external UPS equipment acts as the working power source of the system. The elevator moves the car to slide towards unloading direction by inching release of the band-type brake of the traction machine to the next landing and then opens the door to release passengers.	○
<b>Automatic Leveling</b>	When the elevator stops in the non-leveling area because of faults and overhauls, the elevator will slowly move to the leveling area if it meets safety requirements for starting after the faults are solved and the overhauls are completed. Then the elevator opens the door automatically and resumes normal operation while pacifying passengers by voice. (The pacifying device is optional.)	●
<b>Leveling and Door Opening Function</b>	When the elevator stops in the unlocking area for any reasons, passengers can open the car and landing doors manually in the car, or use the triangle key to open the car and landing doors.	●



## Energy Conservation Function

<b>In-car Fan and Lighting Control</b>	Under the circumstance of not receiving any operation instructions, the elevator will enter the energy-saving mode and turn off in-car lights and fans in the preset time after closing the door.	●
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● Standard ○ Optional

# FUNCTION LIST OF PASSENGER ELEVATORS

<b>Stop Switch</b>	It is also known as the parking switch. After the key switch equipped on the designated floor acts, the elevator will return to the designated floor after completing all instructions and enter an energy-saving mode. It will turn off lights in the car and turn on the indicator light of the stop switch in the hall.	●
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## Special Operation

<b>Driver Operation</b>	The elevator enters the driver operation state by operating the switch in the operation panel. The driver can conduct management related to the number of passengers in the car, hall call responses and door opening and closing.	●
<b>Friendly Prompt in the Driver State</b>	When the elevator is in the driver operation state, the buzzer in the operation panel will buzz and the corresponding button in the car will flicker if there is hall call registration.	●
<b>Direct Driving in the Driver State</b>	After the elevator enters the driver state and the NSB button in the operation panel is pressed, the elevator doesn't respond to hall call signals and directly moves to the destination floor.	○
<b>Down Collective Selective Operation</b>	The elevator is provided with upward hall buttons on the first floor or the main landing. Other floors are only provided with the downward hall buttons. After comprehensively analyzing and judging the hall call signals and in-car instruction signals in the building, the elevator will automatically prioritize signals consistent with the operation direction of the elevator and respond to them in sequence.	○
<b>Automatic Parking</b>	When all elevators in one group control system in one building are on standby, they will automatically stop on different floors of the building to improve the response speed of the elevator group to calls.	●
<b>Anti-nuisance Protection</b>	To avoid non-load operation, the computer cancels abnormal instructions by logical judgement on load. This function can avoid mischiefs or error car instructions. If there is only one passenger in the car but too much requests are registered, all requests will be cancelled after the nuisance is detected. Then, the elevator will respond to correct floor signals.	○
<b>Anti-crime Protection</b>	The elevator enters the anti-crime mode through the setting of parameters or the triggering of external switches. The elevator stops on the predesignated floor and opens the door for guards or receptionists to check.	○
<b>Password Floor Service</b>	This function can use buttons in the car to set a password for authority management of designated floors in the building to manage the entry and exit of people.	○
<b>Smart IC Card System</b>	This function achieves the authority management of designated floors through the card reading system in the car and the hall. This system is only for the intelligent management of people getting in and out of the elevator but can't integrate with other IC card management systems in the building.	○
<b>Earthquake Operation</b>	When an earthquake occurs, the system will cancel all instructions and calling signals after receiving seismic signals. The elevator will open the door on the closest floor to release passengers and stop. Users need to provide seismic signals.	○
<b>Dining Hall Floor Waiting</b>	It allocates a longer time for floors with lots of passengers like dining halls to meet the higher demand for transport.	○
<b>Landing Prompt</b>	When passing a landing, the elevator reminds passengers of the landing by a buzzer, providing services for special groups like blind persons.	○
<b>Startup and Shutdown at a Fixed Time</b>	This function enables the elevator to start and shut down at a fixed time to automatically control the lock of the elevator.	○
<b>Announcement Module</b>	When the elevator slows down and levels, the elevator will announce the approaching landing to remind passengers.	○
<b>Pacifying Passengers by Voice</b>	When breaking down, the elevator pacifies passengers by voice in the car.	○

<b>Dedicated Air Conditioners</b>	It is specially designed for air conditioning in the car and is an independent circulation system. Through automatic atomization of condensate water, automatic change of working modes for ultra-high water levels, water level limit protection, air purification and other functions, it keeps air temperature, humidity, cleanness and speed comfortable for people to create a cool and refreshing car space.	○
<b>Anti-interference Function for Maintenance</b>	When the elevator is in a mode of maintenance, the hall call board doesn't display the floor number. When a person presses the hall button, it displays the floor number where he is. It doesn't display the floor number after the button is released. This function ensures that the maintenance is not interfered by unsuspecting passengers.	○
<b>Independent Service</b>	It is an independent service state designed to meet special customer demands. After entering the independent service state, the elevator won't respond to hall call signals, and can only close and open the door and operate by manual control.	●
<b>Independent VIP Function</b>	After this function is used, the elevator is exclusively used by passengers and the hall calling board doesn't display floor numbers while the operation panel in the car shows floor number normally to keep the information of their destination floors secret.	○
<b>Retain Calling Instructions in Overload Protection</b>	In the mode of overload protection, it can retain the registered calling instructions and doesn't cancel them.	○
<b>Optimization of Door Opening</b>	When reopening the door, the elevator cancels the time for keeping the door open but directly closes the door to improve efficiency.	○
<b>Resetting and Rescue Function</b>	If the system loses position signals because of faults, the elevator will move the car to stop on the closest floor to release passengers and then return to the main landing for resetting. The elevator pacifies passengers by voice during fault protection, rescue operation, release of passengers and resetting at the main landing. (The pacifying device is optional.)	●
<b>Indication of Elevator Allocation</b>	It indicates passengers to take the corresponding elevator by the hall arrival light to make it convenient for them.	○
<b>Retain Calling Instructions in Overload Protection</b>	In the mode of overload protection, it can retain the registered calling instructions and doesn't cancel them.	○
<b>Waterproof Detection Contactor</b>	When the contactor is triggered, the car won't go to the top floor and the first floor to prevent the car or the counterweight from contacting with water.	○
<b>Rush Hour Service</b>	It is specially used for alleviating the traffic peak in the building. In the morning rush hour, when the passenger load of all elevators in service exceeds the preset value (usually 50%) in the hall, the elevators enter this mode immediately. And this mode will be kept during the rush hour. (This function is only available for parallel and group control elevators. It is unavailable for a single elevator.)	○

## Monitoring Functions

<b>Building Elevator Monitoring Interface</b>	The elevator can provide users' intelligent building management system with discrete elevator operation status signals, which mainly include running directions, floor numbers and safety information.	○
<b>Series Interface of Building Monitoring</b>	The elevator can provide users' intelligent building management system with elevator operation status signals in the RS-485 communication mode. The main signals include running directions, floor numbers and safety information.	○
<b>Monitoring System for Communities</b>	The monitoring system for communities is an intelligent management system which achieves the comprehensive monitoring of elevators by microcomputer in the community and can provide data for intelligent management of buildings.	○
<b>Remote Monitoring System for Elevators</b>	The machine room is provided with a remote communication device, which transmits the real-time information of elevator operation to the remote monitoring center and achieves the remote elevator information transmission and failure warning. It reduces the time for removing elevator faults. Meanwhile, the in-car audio and video functions are available. It can provide a client interface for users' elevators in the monitoring area.	○
<b>BA Interface Panel</b>	The building elevator monitoring interface (BA interface panel) function collects elevator signals, such as position signals, upward and downward movement signals, failure signals, stop signals and safety circuit signals, at the Input end. The signals are outputted from the Output end after being processed by encoder and level shifter. The BA system can recognize and use the above signals.	○

● Standard ○ Optional



## FREIGHT ELEVATOR SERIES

JIEDA SERIES | FREIGHT ELEVATORS





## JIEDA SERIES | FREIGHT ELEVATORS MACHINE-ROOM FREIGHT ELEVATORS

### High-performance Traction Machines

The freight elevators use permanent magnetic synchronous traction machines, whose drive efficiency is 20% to 30% higher than that of traditional geared traction machines. They are small in volume, low in energy consumption, steady in operation, low-noise and maintenance-free. They can significantly improve the comprehensive performance of elevators and make elevators more comfortable.

### Control System

It adopts an integrated control system and adopts VVVF vector control. The dedicated pattern generator ensures a gentle and smooth speed curve. All significantly improve the comfort level and leveling accuracy of elevators.

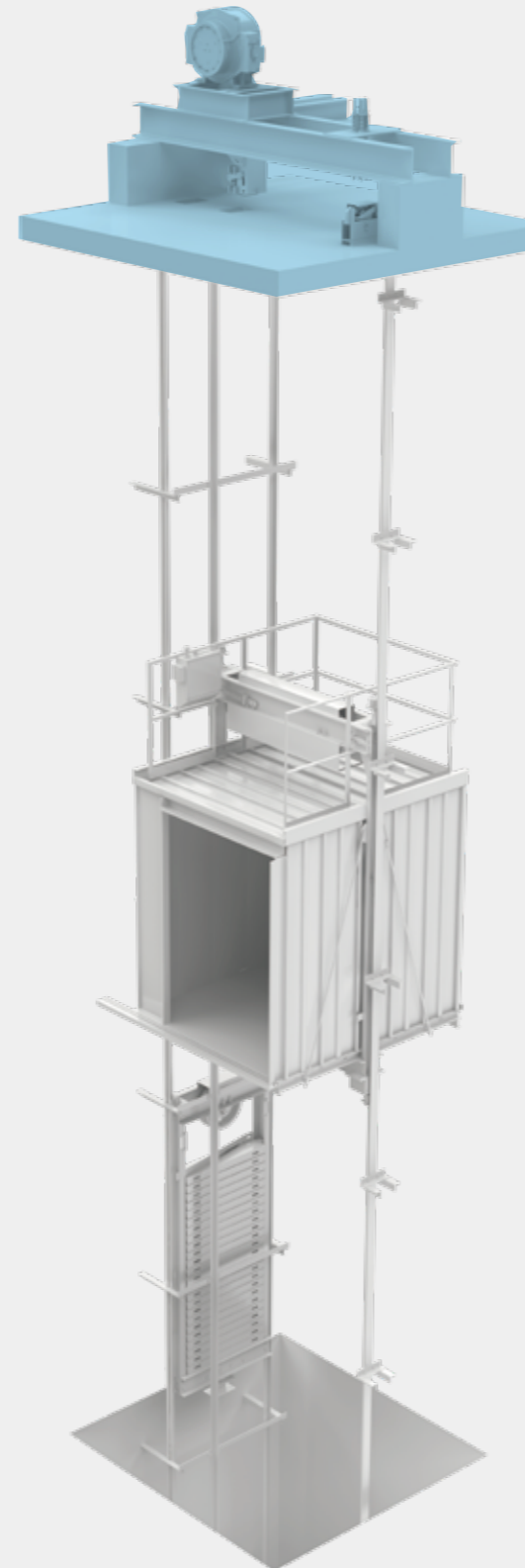
### Permanent VF Door Operator

It adopts matured VF drive technologies and control logics in the industry. The synchronous door operator ensures that the landing door and the car door opens synchronously. It is sensitive, safe, reliable, and easy to install and maintain.

### Coverage (Gearless Traction Machines)

The high-strength car structure and the optimized design of key parts improve the solidness and safety of the overall structure and effectively ensure the safety of freight and passengers.

Speed(m/s)				
1.5				
1.0				
0.5				
0.25				
load(kg)	2000	3000	4000	5000



## JIEDA SERIES | FREIGHT ELEVATORS MACHINE-ROOM-LESS FREIGHT ELEVATORS

### Perfect Spaces

Through the small design of traction machines and control cabinets, the machine-room-less freight elevator compresses the machine room into the shaft, which can effectively save space, integrates the elevator with the building and provides more free choices for architectural design. So, it is suitable for more venues.

### Efficient Installation

As it doesn't have a machine room, the installation of machine-room-less freight elevators is mainly conducted in the shaft, which can effectively reduce the installation time and speed up the progress of building work.

### Coverage (Gearless Traction Machine)

Speed(m/s)				
1.0				
0.5				
0.25				
Load(kg)	2000	3000	4000	5000



# CAR DECORATION/ HUMAN-MACHINE Interface—Standard Configuration

Suspended Ceiling: painted steel plate  
 Ventilation: fan  
 Lighting: LED  
 Sill: aluminum alloy (side opening two-speed sliding door); aluminum alloy/ cast iron (center opening two-speed sliding door)  
 Car Door/ Car Wall: painted steel plate  
 Operation Panel/ Calling Board: hairline stainless steel  
 Floor: aluminum alloy/bent steel plate/ cast iron



## Standard Configuration of Operation Panels XCP23-B

Monitor: 6.4' LED  
 Button: emitting white light  
 Operation Panel: hairline stainless steel

### Monitor



6.4' LED

### Button



BR34J



# CAR DECORATION/ HUMAN-MACHINE Human-Machine Interface—Optional

## Optional Configuration of Operation Panels XCP4-A

Monitor: 6.4 LED  
 Button: BS34D  
 Operation Panel: hairline stainless steel

### Monitor



6.4' LED

### Button



BR34D

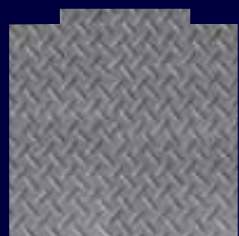


## Floor—Optional



Steel Diamond Plate (Optional)

## Floor—Optional



Steel Diamond Plate (Standard)

## Standard Configuration of Calling Boards XHB23-B

LCD Screen: 4.3'LED  
 Button: BR34K, emitting white light  
 Calling Board: Black plastic frame  
 Hairline stainless steel

### Monitor



4.3' LED+ acrylic

### Button



BR34K



## Car Door / Car Wall) — Optional

1.Stainless Steel  
 2.Painted Steel Plate (Colors Available)



Volcanic Ash Grey    Dark Dust Grey    Apple Green    Ivory Yellow

The color atlas is for illustrative purposes only and may differ from actual products.

# FUNCTION LIST OF FREIGHT ELEVATORS

## Operation Function

<b>Full-load Non-stop</b>	When the car reaches the preset full-load value, the elevator will enter the full-load non-stop state, not respond to the hall call any more, turn on the full-load light in the hall, and directly respond to the instructions in the car to move to the designated floors.	●
<b>Reinitialized Operation</b>	When position signals are not retained or the car position is uncertain after the recovery of power supply, the elevator will move to the terminal landing for repositioning. After the repositioning, the position monitor shows the position of the elevator. And then, the elevator resumes normal operation.	●
<b>Automatic Cancellation of Opposite Direction Instructions</b>	When moving upwards or downwards, the elevator can automatically cancel the instructions which are opposite to the current moving direction.	●
<b>Door Open and Close Button</b>	The operation panel in the car is equipped with a touch button for passengers to flexibly open and close the door according to their needs.	●
<b>Cancellation of False Instructions</b>	When an instruction has been registered, users can cancel the registered instruction by repeatedly pressing the button before the elevator starts. However, after the elevator starts, the system forbids the cancellation of registered signals to ensure the safety of passengers.	●
<b>Door Open and Close Button Lights</b>	When the door open and close buttons are pressed, the button lights will be turned on, which indicates a successful response.	●
<b>Door Opening by Hall Call</b>	When the door is closing normally, the elevator will open the door again if the direction of the pressed hall button is the same as the moving direction of the elevator.	●
<b>Automatically Return to Main Landing</b>	When there is only a single elevator, the main landing can be set according to the actual needs of the building. If there isn't call or instruction registration within a preset time, the car will automatically return to the main landing, close the door and be on standby. Usually, the main landing is set on the floor having heavy traffic or on the first floor.	●
<b>Separate Control of Landing and Car Doors</b>	The waiting time for door opening caused by hall calls is longer than that caused by instructions made in the car according to statistics. This function improves the overall operation efficiency by independently adjust the time for keeping the doors open when the elevator responds to the calls and instructions.	●
<b>Cancellation of Waiting Time for Door Closing</b>	When the door maintains a full-open state in the delayed door opening stage under the automatic condition, users can press the door close button to immediately close the door in advance.	●
<b>Starting Torque Compensation</b>	To ensure a better experience when the elevator starts, the system calculates the load of the car and achieves optimization through starting torque compensation.	●
<b>Automatic Relevelling</b>	When deviation between the car sill and the landing sill caused by passengers getting in and out of the elevator and other reasons which lead to load changes exceeds a certain value, the elevator will automatically relevel to move the car to the accurate leveling position.	●
<b>Parallel Operation</b>	This function is used for the group control of two elevators of the same model. It enables the elevator group to automatically choose the most suitable response to avoid the repeated stop of elevators, to shorten passengers' waiting time, and to improve the operation efficiency.	○
<b>Door Open Button</b>	When more passengers or freight enter the car and need to extend the door opening time, they can press the door open button on the operation panel. When an elevator of the group control system keeps door open, the system will automatically transfer the hall call signal allocated to this elevator to other elevators.	○
<b>Car Arrival Bell</b>	It is equipped on the top of the car. When the elevator arrives at the landing floor, it will make clear and melodious sounds to remind passengers that they have arrived.	○

## Emergency Functions

<b>In-car Emergency Lighting</b>	The in-car emergency lighting device starts during power failure.	●
<b>In-car Alarm Button</b>	In special circumstances, passengers can press the in-car alarm button to inform the outside world.	●
<b>Emergency Evacuation Device for Power Failure</b>	When the normally running elevator stops suddenly because of a sudden power failure, the device acts immediately and drives the elevator to move to the leveling position at a low speed. After leveling, it gives a voice prompt while opening the door to evacuate passengers.	○
<b>Emergency Electric Operation of the Machine Room</b>	The control cabinet of the machine room is provided with an emergency electric operation device for emergency rescue.	●
<b>Intercom</b>	In special circumstances, passengers can maintain voice communication with the machine room and the monitoring center by intercom devices installed on the operation panel, the car roof, and the car platform.	●

## Safety Functions

<b>Overload Protection</b>	When the load of the car exceeds the allowable rated load, the overload buzzer will produce a buzzing sound as a signal of overload. At the time, it shows overload, the door of the car doesn't close and the elevator can't start.	●
<b>Overheat Protection of Drive Equipment</b>	When the temperature of the motor exceeds the preset value as the temperature of the machine room is too high or the motor generates heat during operation, the elevator will automatically enter the protection state and stop on the closest landing. Then, the elevator opens the door, releases passengers safely and turns off the lights and fans in the car. After the temperature returns to normal, the elevator resumes normal operation.	●
<b>Terminal Landing Protection</b>	When the elevator arrives at the terminal floor but the speed doesn't reduce to the preset value, the system will slow it down forcibly to ensure its safety operation.	●
<b>Car Door Opening Protection</b>	When the elevator can't open the door within the preset time because of reasons like mechanical blocks, it will cancel the hall and in-car call signals and move to the closest landing to release passengers.	●
<b>Car Door Closing Protection</b>	When the elevator can't close the door within the preset time because of reasons like mechanical blocks and can't detect door closing signals after closing the door three times, the elevator will automatically enter the protection state. When the elevator detects normal closing of the door, it will resume normal operation.	●
<b>Delayed Car Door Closing Protection</b>	When the door opening time exceeds the preset time as the hall button is pressed or there are other reasons, the elevator will close the door forcibly several times, the elevator will stop operation and opens the door, and the hall and in-car call signals will be automatically cancelled. When the elevator detects the normal closing of the door, the elevator resumes normal operation.	●
<b>Car Roof Inspection</b>	The car roof is equipped with an inspection cabinet, which makes inspection and maintenance safer and more convenient.	●
<b>UCMP Function</b>	It prevents the car which keeps the door open in the unlocking area from unintended movements without instructions.	●
<b>Emergency Fire Control</b>	After receiving the fire alarm signal when a fire starts in the building, the system will cancel all instructions and calling signals, drive the elevator to directly return to the fire exit floor and open the door to evacuate passengers. After the elevator successfully stops at the main landing, the control system provides the signal of successful emergency landing for the fire control center.	○

## Special Operation

<b>Automatic Parking</b>	When all elevators in one group control system in one building are on standby, they will automatically stop on different floors of the building to improve the response speed of the elevator group to calls.	●
<b>Direct Driving in the Driver State</b>	After the elevator enters the driver state and the NSB button in the operation panel is pressed, the elevator doesn't respond to hall call signals and directly moves to the destination floor.	○
<b>Driver Operation</b>	The elevator enters the driver operation state by operating the switch in the operation panel. The driver can conduct management related to the number of passengers in the car, hall call responses and door opening and closing.	○
<b>Independent Service</b>	It is an independent service state designed to meet special customer demands. After entering the independent service state, the elevator won't respond to hall call signals, and can only close and open the door and operate by manual control.	○

## ▼▲ Human-Machine Interface

<b>Hall and In-car Direction Indication</b>	There are arrow-shaped indicator lights on the operation panel and the calling board for passengers to learn the moving direction of the elevator conveniently.	●
<b>Hall and In-car Digital Display</b>	The operation panel and the calling board of each floor show the landing of the elevator by 16-segment digital display for passengers to know the current position of the elevator.	●

## Human-Machine Interface

<b>In-car Fan and Lighting Control</b>	Under the circumstance of not receiving any operation instructions, the elevator will enter the energy-saving mode and turn off in-car lights and fans in the preset time after closing the door.	●
<b>Stop Switch</b>	It is also known as the parking switch. After the key switch equipped on the designated floor acts, the elevator will return to the designated floor after completing all instructions and enter an energy-saving mode. It will turn off lights in the car and turn on the indicator light of the stop switch in the hall.	●

● Standard ○ Optional



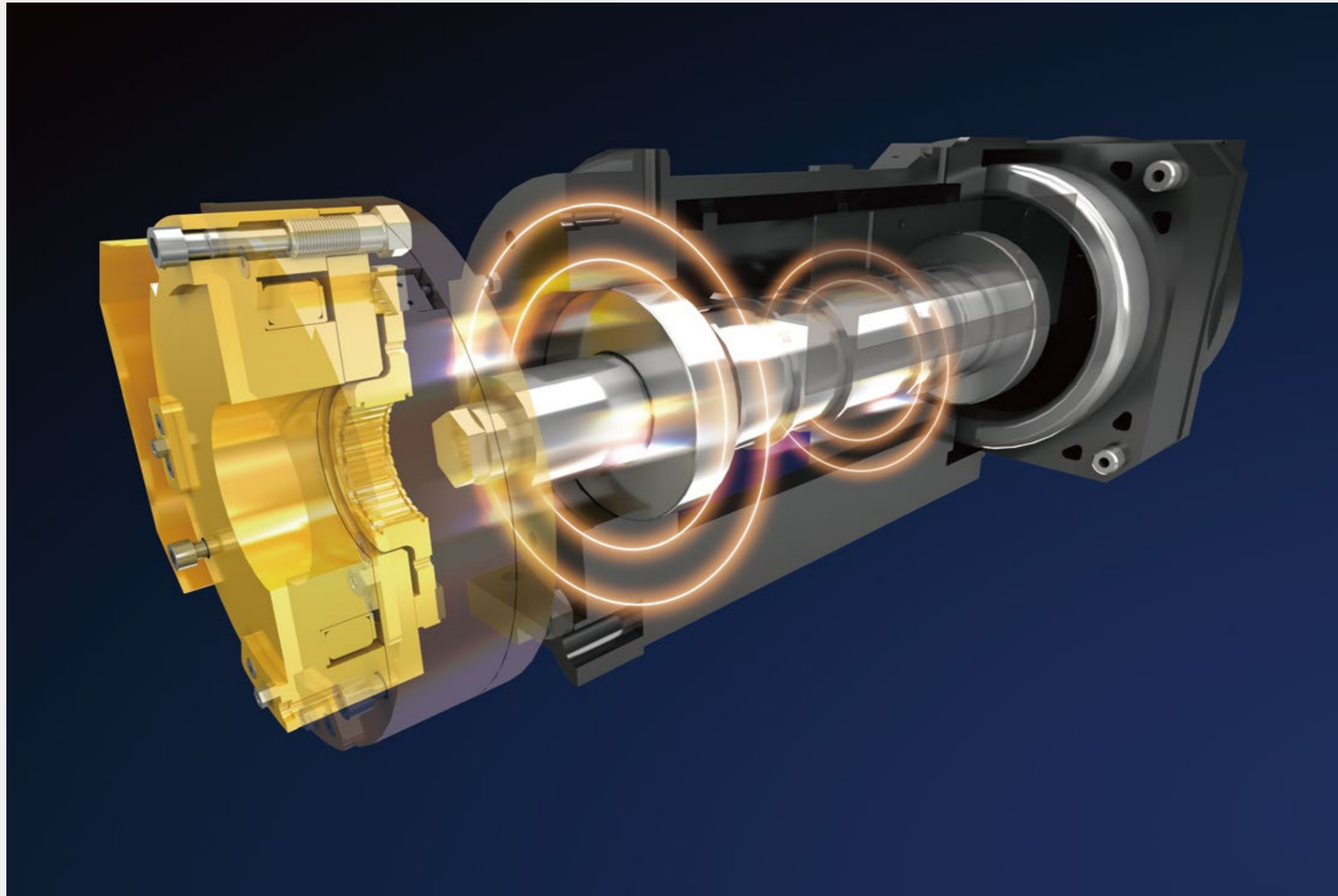
## HOME ELEVATOR SERIES

JIESHANG SERIES | HOME ELEVATORS





## JIESHANG SERIES | HOME ELEVATORS COMPOSITE STEEL TAPE HOME ELEVATORS



Enable you and your family to enjoy every comfortable experience.  
Home is where the heart is, showing richness and simplicity.  
It is a great enjoyment to take the Jieshang home elevators every time.



### Composite Steel Tape

- Steel ropes are rearranged. The flat design increases the contact area and the traction friction.
- The polyurethane cladding can protect steel ropes, increase flexibility, and reduces the abrasion of driving sheaves.
- The steel tape doesn't need extra lubrication and has no oil pollution.
- Its vibration amplitude is less than that of wire ropes so it is smoother and more comfortable.
- Compared with traditional steel ropes, it is light and saves power energy.
- Compared with traditional steel ropes, it has a longer service life.

### Space Requirements

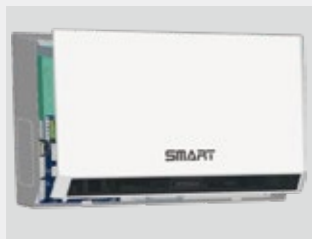
- Standard overhead Height: 3,400mm
- Standard Pit Depth: 320mm

### Tape Traction Machine

- It is light and has low requirements for shaft supports.
- It has low requirements for the top height and greatly reduces the diameter of the driving sheave.
- The traction machine is small in volume so it occupies a small space.

# SURAPID NEW CONTROL CABINET

Both an Idol and an Expert  
Win Your Trust by Good Experiences  
and Solid Strength



## Ultrathin

- As thin as 110mm
- Highly Integrated
- Wall-mounted
- Installed in the Shaft
- Wall-mounted Outside of the Shaft



## Extremely Quiet

- As Quiet as 48db
- Non-contact Plan (48db)
- Dynamic Fan Operation
- 10kHz Carrier Frequency



## Safety

- Automatic Rescue Device (ARD)
- Electric Brake Release Device (HSD)
- In-car One-click Rescue





## CAR DECORATION Standard Configuration

### XTQ02-21

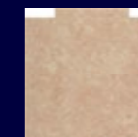
Integrated Suspended Ceiling: XTQ04-506D Hairline stainless steel + LED downlight  
Side Wall: Hairline stainless steel  
Front Wall: Hairline stainless steel  
Back Wall: Hairline stainless steel  
Floor: XTQ07-31 B1-7705 (PVC)



#### Optional Floor (PVC):



XTQ07-22



XTQ07-205



XTQ07-210

#### Optional Handrail:



XTQ06-01



XTQ06-01A



XTQ06-01B



XTQ06-16

# HUMAN-MACHINE INTERFACE

## Standard Configuration

### Standard Configuration Of Operation Panel

LCD Screen: 4.3' TFT Espresso Interface  
 Button: BR36E, acrylic, emitting white light  
 Operation Panel: mirror stainless steel+ black acrylic



Operation Panel Monitor: 4.3' TFT



Operation Panel Button: BR36E

### Standard Configuration of Calling boards

LCD Screen: 4.3' LED  
 Button: BR36F, black acrylic, emitting white light  
 Material: mirror stainless steel frame+ black acrylic panel



Calling Board Monitor: 4.3' LED



Optional (Telephone) AFT-QR-11

### Operation Panel: XCP16-A

Standard Configuration (Mirror Stainless Steel+ Hairline Panel+ Black Acrylic)



Optional Off-white Acrylic

### Calling Board: XHB15-mini

Standard Configuration (Mirror Frame+ Black Acrylic)



Optional Off-white Acrylic

Calling Board Button: BR36F



Optional Off-white Acrylic

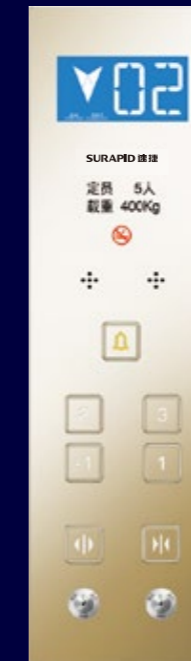
# HUMAN-MACHINE INTERFACE

## Optional Configuration

### Operation Panel: XCP4-E



Mirror Stainless Steel



Titanium Gold Mirror Stainless Steel

Monitor



4.3' TFT

Operation Panel Button



XBR27D(B)



BR32A(B)  
(Only Frosted Effect)

### Operation Panel: XCP16-A



Champagne Mirror Stainless Steel+ Frosted Panel+ Beige Acrylic



Black Acrylic

Operation Panel Button



BR36E

### Calling Board: XHB11-C



Mirror Stainless Steel



Titanium Gold Mirror Stainless Steel

Monitor: 4.3'



LED Segment Code Display

Button



BR36E/BR36E(B)

### Calling Board: XHB15-mini



Champagne Mirror Frame+ Off-white Acrylic



Gold Acrylic

Calling Board Button BR36F



Off-white



Gold

## ■ XTQ02-2007

Front Wall and Lintel: mirror stainless steel  
 Side Wall: 2 pieces, artistic steel plate (C131 palm leaf vein)  
 Back Wall: 3 pieces, corner call walls on right and left sides (artistic steel plate (C131 palm leaf vein) inside radius 50mm, width L1), car wall in the middle is a decorative car wall divided into 3 pieces (white mirror ceramic H119+ titanium black mirror (blacker)+ white mirror ceramic H119, lined wood plank for the second decoration) + black metal trim strips on the right and left sides+ hidden aluminum alloy light strip (6,500K)  
 Split-type Top (XTQ04-B2007): basic car roof (pink RAL9010 light) beautifully-shaped ceiling (white mirror ceramic H119) + black decoration, hidden light strip (6,500K), 2 downlights with uniform light (6,500K)  
 Floor (XTQ07-B2007): full-sheet printing PVC (simulated Ariston)



## ■ XTQ02-2103

Front Wall and Lintel: steel plate car wall (fine orange grain spray painting RAL9002)  
 Side Wall: standard pieces, wood grain artistic steel plate t1.2  
 Back Wall: the car wall in the middle is divided into three pieces (wood grain artistic steel plate t1.2), wood grain artistic steel plate on the right and left sides (width 160mm) +10mm, light strip with broad light (6,000K)  
 Integrated Ceiling: steel plate roof (fine orange grain RAL9002), hung square roof (white mirror ceramic H119, 160mm from edges) + LED spotlight+ hidden light strip on the back (6,000K)  
 Handrail: handrail with a rectangular section fixed on the wall, champagne gold matte stainless steel end+ wood handrail+ hidden light strip (6,000k), 2 pieces  
 Floor: PVC full-sheet printing

## ■ XTQ02-2106

Front Wall and Lintel: rose gold mirror stainless steel t1.2  
 Side Wall: 3 pieces, rose gold mirror etched stainless steel in the middle t1.2 (width 350mm), rose gold hairline stainless steel on two sides t1.2  
 Back Wall: 3 pieces, rose gold mirror etched stainless steel in the middle t1.2 (width 350mm), rose gold hairline stainless steel on two sides t1.2  
 Suspended Ceiling: rose gold hairline stainless steel t1.2 frame+ acrylic light source  
 Skirting: none  
 Floor: PVC full-sheet printing



## ■ XTQ02-2107

Front Wall and Lintel: painted steel plate (RAL9001, fine crepe effect)  
 Side Wall: two painted steel plates (RAL9001, fine crepe effect), even  
 Back Wall: painted steel plate on two sides (RAL9001, fine crepe effect), LED light strip in the middle (width about 10mm, color temperature 3,500k), arch-shaped corner car wall on right and left sides (RAL7046 fine crepe effect, width about 75mm)  
 Suspended Ceiling: painted steel plate (RAL7046, fine crepe effect) frame+ painted steel plate (RAL9001, fine crepe effect) roof + LED light strip  
 Handrail: U-shaped square tube handrail, RAL7046 stoving varnish end cap+ RAL9001 stoving varnish tube, hidden light strip  
 Floor: PVC full-sheet printing

## ■ XTQ02-2102

Front Wall and Lintel: white mirror stainless steel t1.2  
 Side Wall: 3 pieces, 10mm-wide painted trim strip in the middle (matte black RAL9011), painted steel plate evenly divided on two sides (plain color RAL1015, fine orange grain) concave trim strip, 3mm higher than painted steel plate car wall  
 Back Wall: 3 pieces, 100mm-wide white mirror stainless steel in the middle t1.2, laminated artistic steel plate evenly divided on two sides t1.2 (FL05)  
 Integrated Ceiling: steel plate roof (fine orange grain RAL9002), hung painted roof (fine orange grain RAL9002, 160mm from edges) + LED spotlight+ hidden light strip on the back (6,000K)  
 Skirting: painted steel plate (matte black RAL9011), 60mm high  
 Floor: PVC



## ■ XTQ02-1901-2

Front Wall and Lintel: mirror stainless steel t1.2  
 Side Wall: 2 pieces, mirror stainless steel (width 160mm), Moshushi K349 wood veneering (produced for the second decoration, car wall with a base)  
 Back Wall: 3 pieces, Moshushi K349 wood veneering+ rose gold mirror stainless steel trim strip, mirror stainless steel on right and left sides t1.2 (width 160mm) (produced for the second decoration, car wall with a base)  
 Suspended Ceiling: matte black painted steel plate+ stitched leather, ivory acrylic+ LED fluorescent lamp, hidden light strip [XTO04-1901-1]  
 Skirting: painted steel plate (matte black RAL9011) 60mm high  
 Floor: PVC (simulated Elite Beige)

# FUNCTION LIST OF HOME ELEVATORS

## 📏 Operation Function

<b>Full Collective Selective Operation</b>	After comprehensively analyzing and judging upward and downward hall call signals, floor-selecting instructions in the car and other various signals, the elevator will automatically prioritize signals consistent with the operation direction of the motor and respond to them in sequence.	●
<b>Full-load Non-stop</b>	When the car reaches the preset full-load value, the elevator will enter the full-load non-stop state, not respond to the hall call any more, and directly respond to the instructions in the car to move to the designated floors.	●
<b>Reinitialized Operation</b>	When position signals are not retained or the car position is uncertain after the recovery of power supply, the elevator will move to the terminal landing for repositioning. After the repositioning, the position monitor shows the position of the elevator. And then, the elevator resumes normal operation.	●
<b>Automatic Cancellation of Opposite Direction Instructions</b>	When moving upwards or downwards, the elevator can automatically cancel the instructions which are opposite to the current moving direction.	●
<b>Door Open and Close Buttons</b>	The operation panel in the car is equipped with a touch button for passengers to flexibly open and close the door according to their needs.	●
<b>Shaft Position Self-learning</b>	It has the shaft position self-learning function and stores shaft position signals. When running normally, the elevator achieves landing and stops directly.	●
<b>Cancellation of False Instructions</b>	When an instruction has been registered, users can cancel the registered instruction by repeatedly pressing the button before the elevator starts. However, after the elevator starts, the system forbids the cancellation of registered signals to ensure the safety of passengers.	●
<b>Door Open and Close Button Lights</b>	When the door open and close buttons are pressed, the button lights will be turned on, which indicates a successful response.	●
<b>Door Opening by Hall Call</b>	When the door is closing normally, the elevator will open the door again if the direction of the pressed hall button is the same as the moving direction of the elevator.	●
<b>Car Arrival Bell</b>	After the elevator arrives at the designated floor of users, the car roof panel gives prompt signals.	○
<b>Separate Control of Landing and Car Doors</b>	The waiting time for door opening caused by hall calls is longer than that caused by instructions made in the car according to statistics. This function improves the overall operation efficiency by independently adjust the time for keeping the doors open when the elevator responds to the calls and instructions.	●
<b>Cancellation of Waiting Time for Door Closing</b>	When the door maintains a full-open state in the delayed door opening stage under the automatic condition, users can press the door close button to immediately close the door in advance.	●
<b>Starting Torque Compensation</b>	To ensure a better experience when the elevator starts, the system calculates the load of the car and achieves optimization through starting torque compensation.	●
<b>Door Open Button</b>	When more passengers enter the car and need to extend the door opening time, they can press the door open button on the operation panel. When an elevator of the group control system keeps door open, the system will automatically transfer the hall call signal allocated to this elevator to other elevators.	○
<b>Hall Arrival Bell</b>	The arrival bell installed in the hall will inform passengers of getting ready to get in the car before the elevator arrives.	○
<b>Down Collective Selective Operation</b>	The elevator is provided with upward hall buttons on the first floor or the main landing. Other floors are only provided with the downward hall buttons. After comprehensively analyzing and judging the hall call signals and in-car instruction signals in the building, the elevator will automatically prioritize signals consistent with the operation direction of the elevator and respond to them in sequence.	○

# FUNCTION LIST OF HOME ELEVATORS

## Emergency Functions

<b>In-car Emergency Lighting</b>	The in-car emergency lighting device starts during power failure.	●
<b>In-car Alarm Button</b>	In special circumstances, passengers can press the in-car alarm button to inform the outside world.	●
<b>Emergency Evacuation Device for Power Failure</b>	When the normally running elevator stops suddenly because of a sudden power failure, the device acts immediately and drives the elevator to move to the leveling position at a low speed. After leveling, it opens the door.	●

## Energy Conservation Function

<b>Stop Switch</b>	It is also known as the parking switch. After the key switch equipped on the designated floor acts, the elevator will return to the designated floor after completing all instructions and enter an energy-saving mode. It will turn off lights in the car and turn on the indicator light of the stop switch in the hall.	○
<b>In-car Fan and Lighting Control</b>	Under the circumstance of not receiving any operation instructions, the elevator will enter the energy-saving mode and turn off in-car lights and fans in the preset time after closing the door.	●

## Monitoring Functions

<b>Monitoring System for Communities</b>	The monitoring system for communities is an intelligent management system which achieves the comprehensive monitoring of elevators by microcomputer in the community and can provide data for intelligent management of buildings (BA).	○
<b>Building Elevator Monitoring Interface</b>	The elevator can provide users' intelligent building management system with discrete elevator operation status signals, which mainly include running directions, floor numbers and safety information.	○

## Human-Machine Interface

<b>Hall and In-car Direction Indication</b>	There are arrow-shaped indicator lights on the operation panel and the calling board for passengers to learn the moving direction of the elevator conveniently.	●
<b>Announcements</b>	During deceleration and leveling, the elevator reminds passengers of the next landing by voice.	○
<b>Dedicated Air Conditioners</b>	It is specially designed for air conditioning in the car and is an independent circulation system. Through automatic atomization of condensate water, automatic change of working modes for ultra-high water levels, water level limit protection, air purification and other functions, it keeps air temperature, humidity, cleanness and speed comfortable for people to create a cool and refreshing car space.	○
<b>In-car LCD</b>	Use an LCD monitor as a high-end monitor in the car.	○

● Standard ○ Optional

## Safety Functions

<b>Overload Protection</b>	When the load of the car exceeds the allowable rated load, the overload buzzer will produce a buzzing sound as a signal of overload. At the time, it shows overload, the door of the car doesn't close and the elevator can't start.	●
<b>Overheat Protection of Drive Equipment</b>	When the temperature of the motor exceeds the preset value as the temperature of the machine room is too high or the motor generates heat during operation, the elevator will automatically enter the protection state and stop on the closest landing. Then, the elevator opens the door, releases passengers safely and turns off the lights and fans in the car. After the temperature returns to normal, the elevator resumes normal operation.	●
<b>Terminal Landing Protection</b>	When the elevator arrives at the terminal floor but the speed doesn't reduce to the preset value, the system will slow it down forcibly to ensure its safety operation.	●
<b>Intercom</b>	In special circumstances, passengers can maintain voice communication with the machine room and the monitoring center by intercom devices installed on the operation panel, and the car roof.	●
<b>Fault Self-diagnosis</b>	When the control system automatically detects the abnormal phenomena of the control loop, it stops the elevator automatically to ensure passenger safety.	●
<b>Car Door Opening Protection</b>	When the elevator can't open the door within the preset time because of reasons like mechanical blocks, it will cancel the hall and in-car call signals and move to the closest landing to release passengers.	●
<b>Car Door Closing Protection</b>	When the elevator can't close the door within the preset time because of reasons like mechanical blocks and can't detect door closing signals after closing the door three times, the elevator will automatically enter the protection state. When the elevator detects normal closing of the door, it will resume normal operation.	●
<b>Door Closing Torque Protection</b>	If the reverse resistance exceeds the preset torque value when the door is closed, the elevator will open the door again.	●
<b>Delayed Car Door Closing Protection</b>	When the door opening time exceeds the preset time as the hall button is pressed or there are other reasons, the elevator will close the door forcibly to respond to other signals. When the door doesn't close properly after the elevator closes the door forcibly several times, the elevator will stop operation and opens the door, and the hall and in-car call signals will be automatically cancelled. When the elevator detects the normal closing of the door, the elevator resumes normal operation.	●
<b>Function of Detecting Speed Feedback</b>	Once the system detects the difference between the actual speed and the given speed, it will automatically disconnect the safety circuit and give an alarm.	●
<b>Function of Detecting Contactor Feedback</b>	Whether the elevator is on standby or is running, the system will detect the condition of the output relay. Once the contactor is in an abnormal state, the system will give an alarm.	●
<b>Function of Detecting Band-type Brake Feedback</b>	It monitors the signals of the band-type brake relay during the whole process. When it detects the difference between the actual condition of the band-type relay and the preset instruction, the elevator stops operation.	●
<b>Car Roof Inspection</b>	The car roof is equipped with an inspection cabinet, which makes inspection and maintenance safer and more convenient.	●

## Special Operation

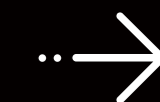
<b>Light Curtain Door Protection</b>	The infrared lights emitted from the light curtain device scan all objects entering the detection area to form a sensitive and safe infrared screen. Once the infrared lights are interfered, the elevator door will reopen quickly and won't hurt passengers, thus ensuring that passengers get in and out of the elevator safely and conveniently.	●
<b>Light Curtain and Safety Edges for Door Protection</b>	Use double detection means, reliable mechanical safety edges and sensitive infrared beams, to ensure the safety of passengers getting in and out of the car.	○

● Standard ○ Optional



**ESCALATOR AND  
SIDEWALK SERIES**

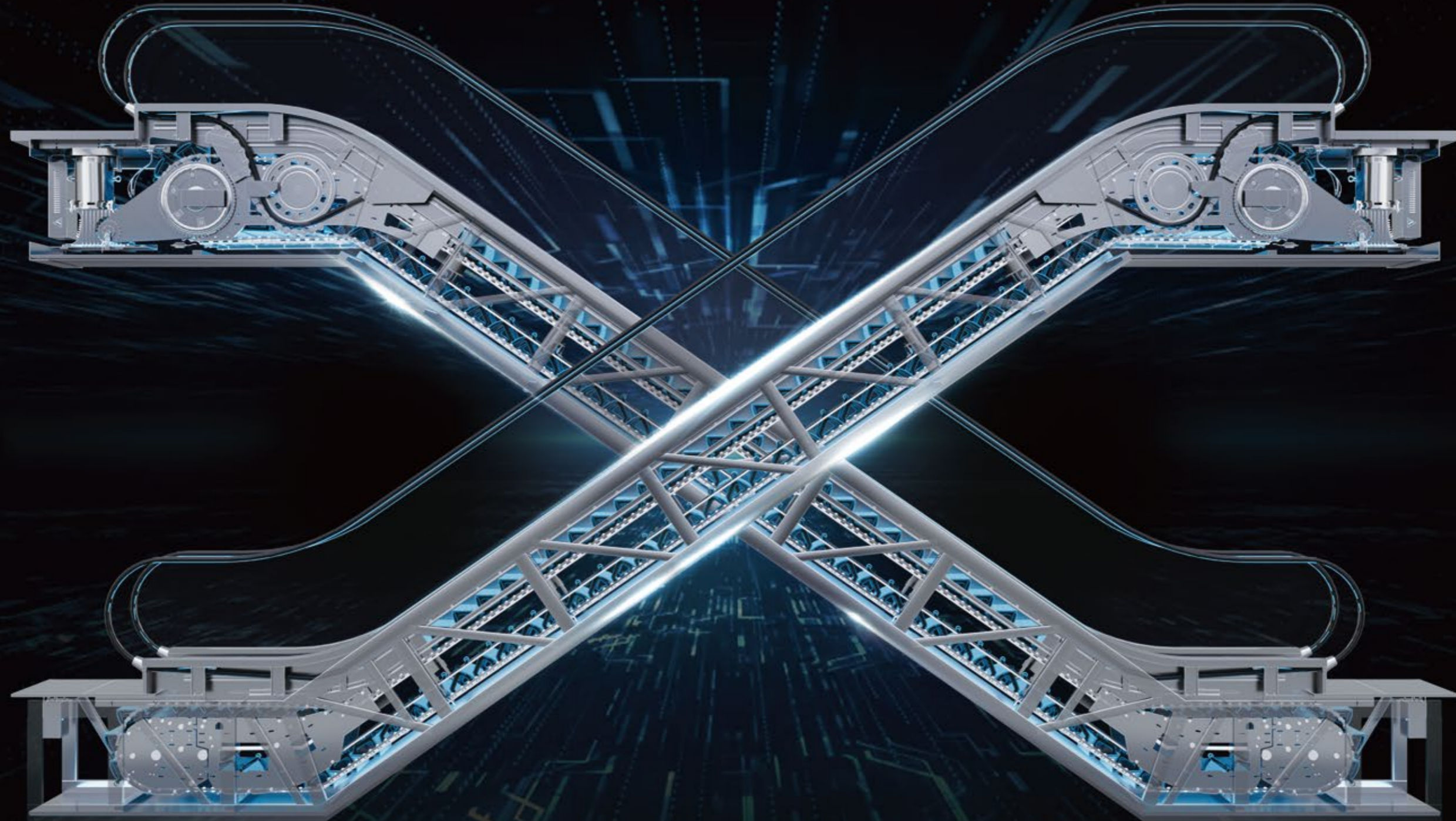
**JIEXUN SERIES | ESCALATORS AND  
MOVING SIDEWALKS**





# JIEXUN SERIES | ESCALATORS AND MOVING SIDEWALKS SURAPID CORE PARTS

SURAPID independently produces control cabinets, trusses, drive assembly and step assembly, meets the strictest quality standards and ensures that its products meet the highest quality standards in the industry.



# MULTI-LEVEL SAFETY PROTECTION ALWAYS ENSURE YOUR SAFETY

## Truss

- Adopt a square tube structure with excellent performance, strictly conducts analysis of structural statics, dynamics and modal, and meets the national standard GB16899 and the European standard EN115.
- Meet strict requirements for surface treatment, won't rust because of oxidation after long-term use, and ensure an ultralong service life of 20 years.
- Obtained the welding certification EN1090 and reach the advanced international welding level to fully ensure product quality.

## Step System

- The step chain uses highly wear-resistant PU rollers and high-strength alloy chain plates and goes through heat treatment so it has ultrahigh load capacity (5 times higher safety coefficient) and an ultralong service life.
- The side-plate-type stair is welded by full-automatic robots, which effectively improves the quality and precision of stairs. The continuous tension ensures the stability of the step chain and the high level of comfort.
- The end adopts the advanced noise reduction technology, which greatly improves the level of comfort.
- The stair guides on two sides feature high installation precision, which ensures smoother and safer operation.

## Efficient Traction Machine

- The professional traction machine research and development team devotes themselves to creating an incomparable mature system with the design philosophy of high quality. It is compact, efficient and powerful, and achieves flagship technologies.
- Advanced manufacturing technologies and a long service life. The brake system adopts inspection of band-type brake releasing, inspection of brake brush wear, overheat protection of imported brake brushes and motors. So, it boasts higher safety, higher reliability, a longer service life and reliable operation.

## Diverse Energy-saving Modes

- Three energy-saving modes available:

VF Low Speed to High Speed:

max 30% of energy conservation

VF Self-starting (Standstill—Low Speed—High Speed):

max 45% of energy conservation

Standard Self-starting (Standstill to High Speed):

max 50% of energy conservation

# COMFORTABLE AND RELIABLE

## Efficiently transport passengers for you

### Intelligent Microcomputer Control System

- Adopt a comprehensively improved 32-bit microprocessor, have all kinds of functions, meet the CE standard, and hold the TUV certification.
- Form strong logical processing ability by extraordinarily flexible design ideas.
- Achieve extraordinary reliability by precision control ability.
- Achieve all-round safety function protection and reach the SIL2.
- The strong self-learning function achieves more intelligent and efficient installation and debugging, and ensures safer and steady operation of elevators.
- Support debugging by the mobile phone APP and off-line upgrading of the OMCU

### Flexible Large Friction Wheel Handrail Drive

- The friction angle reaches 140-160 degrees. The handrail belt has a smooth travel curve and is durable. It features high parallelism and is not influenced by the elastic deformation of frames.

### New Spatial Curved Aluminum Alloy Handrail Entry

- The independently developed unique external cover plate support frame ensures the connection flatness and firmness of the external cover plate and is very easy to adjust and dismantle.

### High-precision Two-side Guide Rail

- Having a large section, the guide rail with shoulders achieves high-precision horizontal positioning of steps, effectively ensures the minimum clearance between steps and skirtboards, reduces the danger of foreign matters struck between skirtboards and steps, and prevents deviation of steps better.

### Device for Preventing Floor Plates from Overturning

- SURAPID escalators are all provided with cross members to ensure that the cover plate is firmer, more durable, and safer, and to prevent people from being "eaten" by escalators.

### Step Reliability

- Steps pass the dynamic test 20 million times, which far exceeds the national requirement (5 million times) and ensures steps can still move effectively and steadily in a hostile environment.
- Use step frames which meet national fireproof standard or above to effectively improve safety.



# JIEXUN COMMERCIAL ESCALATOR AND MOVING SIDEWALKS

## List of Specifications

### Basic Specifications

Type	Maximum Hoisting Height	Height	Step Width	Handrail Type	Speed	Service Environment	Control Mode	Traction Machine
Escalator	H ≤ 9.6m	30°/35°	1000mm/ 800mm/ 600mm	Slim	0.5m/s	Indoor/ Outdoor	VF low speed to high speed (standard) VF self-starting (optional)	Worm gear operated traction machine/integrated direct drive traction machine FJ/FYD
Moving Sidewalk	L ≤ 30m	10°/11°/ 12°	1000mm/ 800mm	Slim	0.5m/s	Indoor	VF low speed to high speed (standard) VF self-starting (optional)	Worm gear operated traction machine/integrated direct drive traction machine FJ/FYD

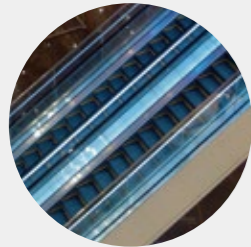
### Standard Configuration

Traction Machine	Control System	Cover Plate	Skirt Panel	Handrail Support	Handrail Belt	Front Edge Panel	Step	Thickness of Glass	Height of Balustrades	Comb Plate	Handrail Drive	Handrail Entry
Domestic	Microcomputer Panel Control		Hairline Stainless Steel		Domestic	Stainless Steel with Square Patterns	Stainless Steel	10mm	930mm	Aluminum Alloy	Large Friction Wheel	Aluminum Alloy

### Optional Configuration

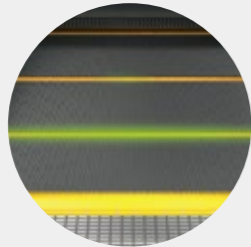
Traction Machine	Cover Plate	Skirt Panel	Handrail Support	Handrail Belt	Front Edge Panel
Joint Venture	SUS304 Hairline Stainless Steel	SUS304 Hairline Stainless Steel	SUS304 Hairline Stainless Steel/ Painted Carbon Steel	Joint Venture	Aluminum Alloy

# SAFE SAFEGUARD YOUR TRANSPORT SAFETY IN AN ALL-ROUND WAY.



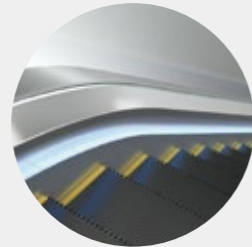
## Handrail Lights

The handrail lights are installed in the handrail support. The soft light adds beauty to running escalators.



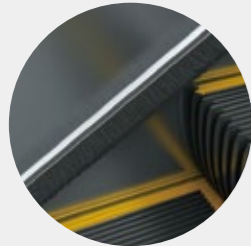
## Step Lights

They are installed below upper and bottom steps. When two connecting steps separates, the green fluorescence emits from the teeth of steps to facilitate the recognition of step levels for passengers.



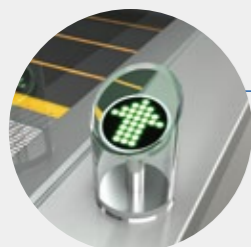
## Skirt Panel Lights

Their light is beautiful and elegant. It also highlights escalators in buildings and creates more comfortable and safer experiences for passengers.



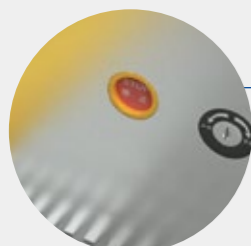
## Skirt Panel Brush

It prevents passengers' clothing being stuck in the clearance between skirt panels and side edges of steps to ensure their safety.



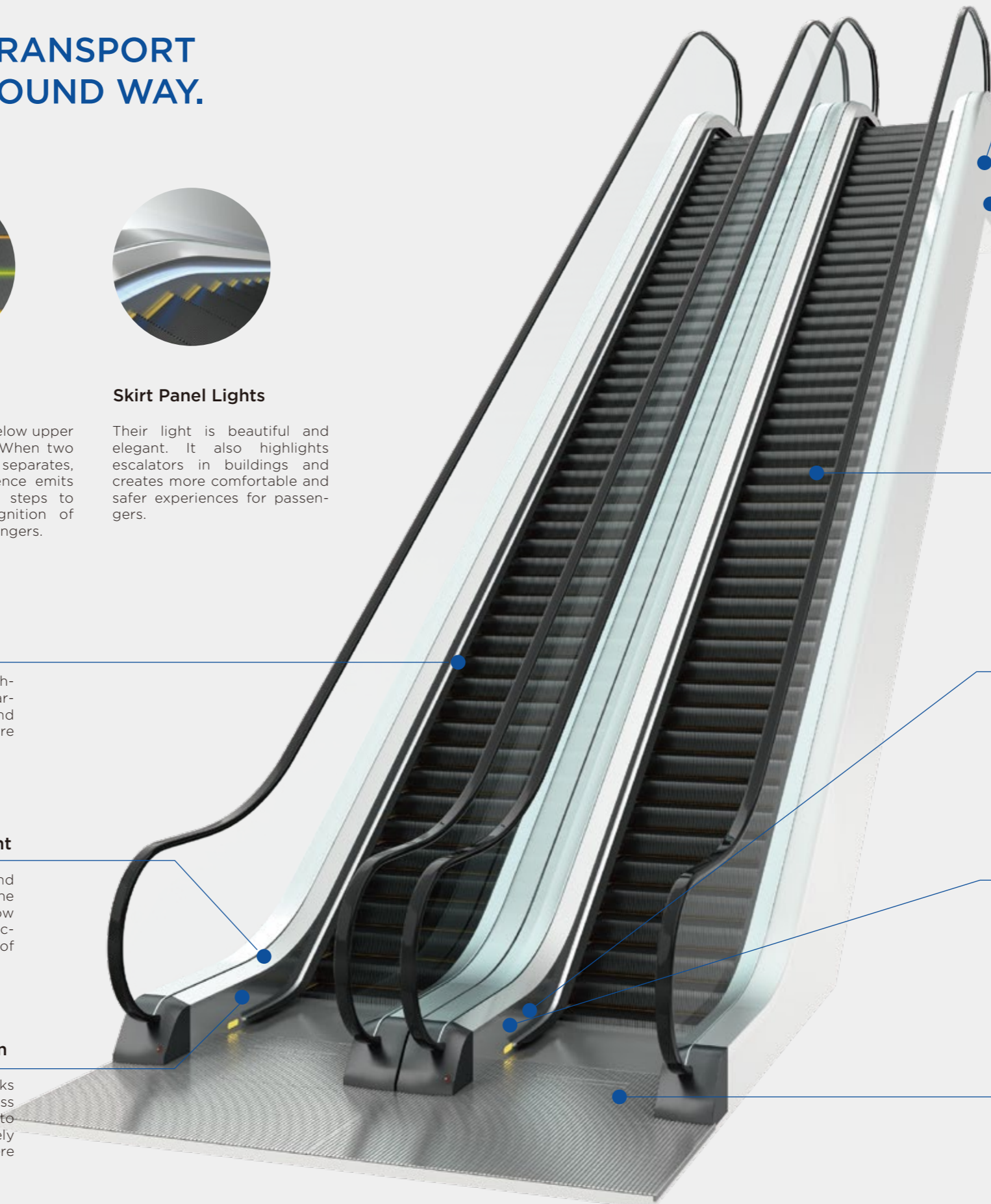
## Direction Indicator Light

The running direction and restriction signs are at the handrail belt entry to show running or restriction instructions to ensure the safety of passengers.



## Emergency Stop Button

When an escalator breaks down suddenly, you can press the emergency stop button to stop the escalator immediately to prevent a more severe accident.



## Emergency Brake Device

When the power is not enough or any safety device acts, the brake device will act by spring force to stop escalators (moving sidewalks).



## Drive Chain Breakage Protection

When drive chains are stretched excessively or break, escalators (moving sidewalks) will automatically stop.



## Step/Landing Floor Plate Sinking Protection Device

When steps bend abnormally, escalators (moving sidewalks) will stop before steps enter the comb plate.



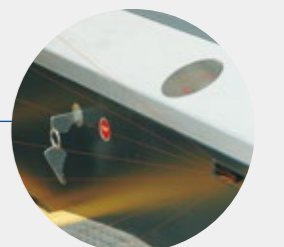
## Fault Display

The maintenance work can become more convenient and easier by observing digital instructions displayed on the digital panels installed on the sides of the skirt panels at the entry and exit of escalators (moving sidewalks).



## Automatic Start/Stop

The infrared sensing device on the two sides of the landing floor plates at the entry and the exit can detect passengers entering this area in real time and starts the control microcomputer to automatically start the escalator (moving sidewalks). When all passengers leave, the escalator stops automatically to achieve the best energy-saving effect.



## Step Speed Testing Device

If the speed of handrail belts is a certain percentage slower than that of steps, the escalator (moving sidewalks) will stop.

