Safeelevator Co., Ltd. is one of the leading manufacturer and exporter of elevators in China for more than 30 years, works as subbranch of HF Group. We are always focusing on the perfect vertical & horizontal transportation solutions.

We centered on customer-oriented, responsibility and good faith to ensure our service quality. Insisting on the production soul of "Top quality & Amazing price", our products enjoy a great popularity in many countries of Asia, Africa, Europe and Oceania. "Let the global people to enjoy safe and comfortable riding by Safeelevator" is our mission. We will always be looking for superior partners and integrate global elevator resources & marketing with unremitting effort!
It is a new generation of intellectual vector type integral control system. It covers distance control, direct parking, closed-loop vector control technology, CANBUS communication technology, multi-CPU running technology and applies C and assembly language programming.

Intelligence system the genius in the city

We choose rare earth material and fully combine coaxial transmission technology and digital variable frequency technology with group computer combined control technology. It saves more than 30% of the energy. No grease pollution, low noise, quite natural.

Permanent magnet synchronous gearless traction machine

Our elevator applies the advanced VVVF variable voltage and variable frequency control technology to the elevator door operator system so as to ensure the smooth elevator door and quiet switch.
Green energy saving

Automatic lighting of LED energy-saving lamp

We use energy-saving LED lamp. When nobody uses the elevator, the lighting in the car will turn off automatically & automatically turn on once receiving any calling commands. Saving the electricity consumption sufficiently.

Sterilization function

Applying advanced enviroment protection technology, PM2.5 dust in the air etc. will from to molecular clusters and sink to the ground by anion. It will lessen the bacterial survival ability or kill bacteria. Timing sterilizing and air cleaning improve the cabin environment.

Electromagnetic compatibility without interference with each other

Our passenger elevator control system fully abides by the relevant electro-magnetic compatibility sandard, removes the electro-magnetic pollution, effectively prevents from the electromagnetic wave interference between the elevator signals and various precision eletrical equipments in the building.

Energy feedback system

Energy regeneration feedback technology of LHEC can recover and re-use as high as 30% energy that has been consumed by the elevators.
Operation management

Elevator object network monitoring system

Elevator network is to slove the current elevator safety issues proposed concept, data acquisition part, data transmission part, the central processing part and application software together constitute a complete elevator object monitoring system. In order to achieve the relevant units of the elevator real-time effective supervision and maintenance.

Testing center

We have professional testing equipment 11, to undertake the detection of elevator locks, door machines, floor doors, speed limiters, photoelectric switches, buttons, traction wire rope, escalator roller, handrail, meral mechanical properties, salt spray test project 20 Balance item. Testing center in the "scientific management, standards, objective and fair, accurate and timely" approach, strict control management, to meet the production and quality inspection needs.
Our small passenger elevator only has about 65%-70% of the traditional machine room. Control cabinet in machine room is designed into single-face inspection layout. The host bearing beam can also be used as hitch plate. It largely saves the machine room space.

**Less space, faster construction**

Small machine room elevator brings about more convenient installation, the lower cost as well.

**Impressive energy savings**

Compared with the traditional traction machine. Our small machine room elevator consumes less energy and lower loss in heat energy.

**Blended into the construction, easily and leisurely**

We cancel the machine room to freely design the shaft position. We can flexible and effectively apply the top space which was preset for machine room.
Passenger Elevator

**SA-KC16017 (Standard)**
- **Integrated roof**: stainless steel mirror + LED lights
- **Car wall**: Hairline stainless steel
- **C.O.P**: Integrated C.O.P in stainless steel
- **Floor**: PVC
- **Landing door**: Stainless steel for GF, other floors in painted steel.

**SF-JX12 (Standard)**
- **Integrated roof**: Diamond silver painted steel with acrylic photic board
- **Car wall**: Hairline stainless steel
- **C.O.P**: Integrated C.O.P in stainless steel
- **Floor**: PVC
- **Landing door**: Stainless steel for GF, other floors in painted steel.

**SF-JX18 (Standard)**
- **Integrated roof**: Simple paint roof with soft LED lighting
- **Car wall**: Hairline stainless steel
- **C.O.P**: Integrated C.O.P in stainless steel
- **Floor**: PVC
- **Landing door**: Stainless steel for GF, other floors in painted steel.

**Passenger Elevator**

**SA-KC16018 (Optional)**
- **Integrated roof**: Acrylic + stainless steel r + LED lights
- **Car wall**: Hairline stainless steel
- **C.O.P**: Integrated C.O.P in stainless steel
- **Handrail**: Stainless steel hairline single handrail
- **Floor**: PVC
**Passenger Elevator**

**SA-KC16007  (Optional)**
- **Integrated roof:** Acrylic + stainless steel mirror + LED lights
- **Car wall:** Sandblasted stainless steel
- **C.O.P:** Integrated C.O.P in stainless steel
- **Floor:** PVC

**SA-KC16011  (Optional)**
- **Integrated roof:** Stainless steel mirror + round organic transparent lampstandart + acrylic
- **Car wall:** Titanium etching stainless steel + stainless steel mirror
- **Handrail:** Titanium + stainless steel single tube handrail
- **C.O.P:** Integrated C.O.P in stainless steel
- **Floor:** PVC

**SA-KC16016  (Optional)**
- **Integrated roof:** Titanium mirror stainless steel + LED Lights
- **Car wall:** 304 Titanium etching stainless steel + stainless steel mirror
- **C.O.P:** Integrated C.O.P in stainless steel
- **Floor:** PVC
- **Car door:** titanium mirror etching stainless steel

**SF-JX06  (Optional)**
- **Integrated roof:** steel coating + stainless steel + LED lights
- **Car wall:** 304 hairline stainless steel
- **C.O.P:** Integrated C.O.P in stainless steel
- **Floor:** PVC
**SA-KC16007**  (Optional)

**Integrated roof:** Acrylic lighting decoration, stainless steel mirror

**Car wall:** Stainless steel
hairline, stainless steel mirror

**Handrail:** Stainless steel
hairline

**C.O.P:** Integrated C.O.P in stainless steel

**Floor:** PVC

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**SA-KC16011**  (Optional)

**Integrated roof:** Black titanium mirror stainless steel frame, down lamp, LED lights

**Car wall:** Black titanium mirror, stainless steel hairline

**Handrail:** Stainless steel round tube handrail

**C.O.P:** Integrated C.O.P in stainless steel

**Floor:** PVC

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**SA-KC16016**  (Optional)

**Integrated roof:** Acrylic lighting decoration, stainless steel hairline, down lamp

**Car wall:** Etched mirror, stainless steel hairline

**Handrail:** Stainless steel flat handrail

**C.O.P:** Integrated C.O.P in stainless steel

**Floor:** PVC

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**SF-JX06**  (Optional)

**Integrated roof:** Mirror stainless steel framework, acrylic arched top plate

**Car wall:** hairline stainless steel, stainless steel mirror etched combination

**C.O.P:** Integrated C.O.P in stainless steel

**Floor:** PVC
Passenger Elevator

**SA-KC16010**  (Optional)

- **Integrated roof:** Stainless steel mirror+acrylic+LED Lights
- **Car wall:** Stoving varnish plate+stainless steel mirror+hairline stainless steel
- **C.O.P:** Integrated C.O.P in stainless steel
- **Floor:** PVC

**SA-KC16031**  (Optional)

- **Integrated roof:** Abrasive hollow plate+Acrylic board+LED lights
- **Car wall:** 304 mirror stainless steel+ wooden drain laminated plate
- **C.O.P:** Integrated C.O.P in mirror stainless steel
- **Floor:** PVC

**SF-JXA03**  (Optional)

- **Ceiling:** Titanium gold stainless steel hairline
- **Car wall:** Etched stainless steel mirror plated with bronze color, glass mirror
- **Operating panel:** integrated operating panel
- **Handrail:** Titanium-plated stainless steel round tube, wood round tube.
- **Floor:** PVC (Optional marble)

**SF-JXA02**  (Optional)

- **Ceiling:** Titanium gold stainless steel hairline
- **Car wall:** Etched stainless steel mirror plated with bronze color, glass mirror
- **Operating panel:** integrated operating panel
- **Handrail:** Titanium-plated stainless steel round tube, wood round tube.
- **Floor:** PVC (Optional marble)
**Passenger Elevator**

**SA-KC16033** (Optional)

**Integrated roof:** Titanium mirror finished stainless steel + acrylic + LED Lights

**Car wall:** Titanium mirror finished stainless steel

**C.O.P:** Integrated C.O.P in stainless steel

**Floor:** PVC

**SA-KC16023** (Optional)

**Integrated roof:** Stainless steel mirror + acrylic + LED lights

**Car wall:** Stainless steel mirror stainless steel + wooden drain laminated plate

**C.O.P:** Integrated C.O.P in mirror stainless steel

**Floor:** PVC

**SA-KC16029** (Optional)

**Integrated roof:** Wood grain laminated plate + acrylic + LED lights

**Car wall:** Stainless steel mirror + wooden drain laminated plate

**C.O.P:** Integrated C.O.P in mirror stainless steel

**Floor:** PVC

**SF-JXA01** (Optional)

**Ceiling:** Titanium gold mirror frame, down lamp, etched titanium gold mirror, ceiling lamp

**Car wall:** Marble, etched mirror, titanium gold mirror

**Handrail:** Titanium-plated stainless steel round tube, wood round tube.

**Floor:** PVC (Optional marble)
Passenger Elevator Operation Panel Series (standard)

- SF-HDC05
- SF-HDC06
- SF-HDC03
- SF-HDC05

- SF-HDX05
- SF-HDX05A
- SF-HDX06
- SF-HDX06B
- SF-JX05A
- SF-JX05B

Passenger Elevator Operation Panel Series (optional)

- Direction lantern
  - DL01
  - DL02
  - DL03
  - DL04
- C.O.P for the disabled
- Hall indicator
  - SF-JD01
- Hall call box
  - (no indicator)
  - SF-JC01
  - SF-JX02A
  - SF-JC02
  - SF-JX02B
  - SF-JL02C
  - SF-JL02D
Ceiling Series (optional)

HD-DTA01
Diamond silver painted steel with acrylic photo board.

HD-DTA02
Mirror stainless steel framework, acrylic arched top plate.

HD-DTA03
Stainless steel mirror base-plate is supplemented by rectangle hollow transparent pole. The self-lighting design of arched white light-passing board is in the middle part.

HD-DTA04
Mirror stainless steel framework, acrylic arched top plate, intermediate down lamp decoration.

HD-DTA11
Acrylic lighting decoration, stainless steel mirror.

HD-DTA12
Acrylic lighting decoration, stainless steel halogen, down lamp.

HD-DT01
Steel plate plastic siding frame with acrylic lighting cover, intermediate circular transom lighting is used.

HD-DT04
Stainless steel mirror base-plate is supplemented by rectangle hollow transparent pole. The self-lighting design of arched white light-passing board is in the middle part.

HD-DT07
Stainless steel mirror hollow plate and white organic board, with stainless steel frame.

HD-DT08
Video vault in the middle, on both sides of the stainless steel floor with backlight lighting design.

HD-DT09
Mirror frame, supplemented by Tesla on mirror stainless steel base-plate, with stainless steel hollow plate, white light-passing board is in the middle part.

HD-DT10
Mirror frame, supplemented by Tesla on mirror stainless steel base-plate, with stainless steel hollow plate, transparent white light-passing board is in the middle part.

HD-DT11
Mirror frame, supplemented by Tesla on mirror stainless steel base-plate, with stainless steel hollow plate, white light-passing board is in the middle part.

Landing Door Series (optional)

FJ-MA01
Mirror, etched (optional: Titanium gold, mirror, etched).

FJ-MA02
Mirror, etched, Stainless steel (optional: Titanium gold, mirror, etched).

FJ-MA03
Mirror, etched, Stainless steel (optional: Titanium gold, mirror, etched).

FJ-MA04
Titanium gold, etched (optional: Stainless steel mirror, etched).

FJ-MA05
Mirror, etched, Rose gold (optional: Stainless steel mirror, etched).

FJ-MA06
Mirror, etched, Rose gold (optional: Stainless steel mirror, etched).
Floor Decoration PVC (optional marble)

- FJ-B01 (PVC) / FJ-B01D (Marble)
- FJ-B02 (PVC) / FJ-B02D (Marble)
- FJ-B03 (PVC) / FJ-B03D (Marble)
- FJ-B04 (PVC) / FJ-B04D (Marble)
- FJ-B05 (PVC) / FJ-B05D (Marble)
- FJ-B06 (PVC) / FJ-B06D (Marble)
- FJ-B07 (PVC) / FJ-B07D (Marble)
- FJ-B08 (PVC) / FJ-B08D (Marble)
- FJ-B09 (PVC) / FJ-B09D (Marble)
- FJ-B10 (PVC) / FJ-B10D (Marble)
- FJ-B11 (PVC) / FJ-B11D (Marble)
- HD-D05 (PVC) / HD-D05D (Marble)
- HD-D06 (PVC) / HD-D06D (Marble)

Handrail Series (optional)

- FJ-FS01
- FJ-FS02
- FJ-FS03
- FJ-FS04
- HD-F03

Optional colors:
- HD-01
- HD-02
- HD-03
- HD-04
- HD-05
- HD-06

FJ-FS01: Stainless steel handrail
FJ-FS02: Chromium steel base, central material is acrylic crystal handrail
FJ-FS03: Titanium gold and stainless steel handrail base, central material is solid wood
FJ-FS04: Stainless steel flat handrail
HD-F03: Triple combination mirror stainless steel tube
Passenger Elevator Function

Standard Function

**TRAVEL FUNCTION**

- **VVVF drive**
  - Motor rotating speed can be precisely adjusted to get smooth speed curve in elevator start travel and stop and gain the sound comfort.
- **VVVF door operator**
  - Motor rotating speed can be precisely adjusted to get the more gentle and sensitive door machine start/stop.
- **Independent running**
  - The elevator can not respond to outer calling but only respond to the command inside the car through the action switch.
- **Automatic pass without stop**
  - When the car is passed with the passengers or the load is close to the preset value, the car will automatically pass the calling landing in order to keep maximum travel efficiency.
- **Automatically adjust door opening time**
  - Door-open time can be automatically adjusted according to the difference between landing calling and car calling.
- **Reopen with hall call**
  - In the door shutting process, press reopen with hall call button can restart the door.
- **Express door closing**
  - When the elevator stops and opens the door, press door-keep button, the door will be closed immediately.
- **Car stops and door open**
  - The elevator decelerates and levels the door only opens after the elevator comes to a complete stop.
- **Car alarm going**
  - Alarm going in the car top announces that the passengers arrive.
- **Direct parking**
  - It completely accords with distance principle with no crowding in the leveling. It greatly enhances the travel efficiency.

**SAFETY FUNCTION**

- **Protocol protection**
  - In the door open and shut period, infrared light that covers the whole-door height is used to probe the door protection device of both the passengers and objects.
- **Designated stop**
  - If the elevator cannot open the door in the destination floor out of some reason, the elevator will close the door and travel to the next designated floor.
- **Overload holding stop**
  - When the car is overloaded, the buzzer rings and stops the elevator in the same floor.
- **Anti-slip liner protection**
  - The elevator stops operation due to a slippery traction wire rope.
- **Start protection control**
  - If the elevator does not leave door zone within the designated time after it gets started, it will stop the operation.
- **Inspection operation**
  - When the elevator enters into inspection operation, its car travels at inspect running.
- **Fault self-diagnosis**
  - The controller can record 92 latest troubles so as to quickly remove the trouble and restore the elevator operation.
- **Repeated door closing**
  - If the elevator cannot close the door due to certain obstacle or interference, the elevator will reopen or re-shut the door until sundries are eliminated.
- **Up/down over-speed and fall limit protection**
  - The device can effectively prevent from the elevator' s swinging to the top or knocking the bottom when it is out of control. It results in the more safe and reliable travel in the lift.
- **Down over-speed protection device**
  - When the elevator obtains 1.3 times higher than the rated speed, this device will automatically cut off control circuit and stop the motor running safely long-term to force the elevator stop in order to assure its safety.
- **Upward over-speed protection device**
  - When the elevator is speeded 1.3 times higher than rated speed, the device will automatically deactivate or brake the elevator.

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

**ENERGY-SAVING FUNCTION**

- **Emergency car lighting**
  - Emergency car lighting automatically activated once power failure.
- **Inching running**
  - When the elevator enters into emergency electric operation, the car travels at low speed inching running.
- **Five way intercom**
  - Communication amidst car, top, elevator machine room, wall and rescue service room through walkie-talkie.
- **Bell**
  - In emergency conditions. It push button above car operation panel is continuously pressed electric bell ring on top of the car.
- **Fire emergency return**
  - If you start key switch in main landing or monitor screen, all the calling will be cancelled. The elevator directly and immediately drives to the designated rescue landing and automatically opens the door.

**Optional Function**

- **Uninterrupted power supply(CPS)**
  - In normal power failure, the chargeable battery supplies the elevator power. The elevator drives to the nearest landing.
- **Anti-nuisance**
  - In the light elevator load when three more commands appear. In order to avoid the unnecessary parking all the registered calling in the car will be cancelled.
- **Open the door in advance**
  - When the elevator decelerates and enters into door open zone, it automatically opens the door to enhance the travel efficiency.
- **Command register cancel**
  - If you press the wrong floor command button in the car, twice continuous pressing of the same button can cancel the registered command.
- **Duplex control**
  - Two sets of same model elevators can unanimously respond the calling signal through the computer, dispatch. In this way it reduces the passengers’ waiting time to the greatest extent and enhances the travel efficiency as well.
- **Voice system**
  - When the elevator normally arrives, voice announcer informs the passengers about the relevant information.
- **Car assistant operation box**
  - It is used in the large loading weight lifts or the elevators with crowded passengers so that more passengers can use the car.
- **Operation box for the handicapped**
  - It is convenient for the wheelchair passengers and those who have vision problems.
- **Intelligent calling service**
  - The car command or hold-way calling can be locked or connected through special Intelligent input.
- **Remote monitor**
  - The elevator long-distance monitor and control can be fulfilled through modem and telephone. It is convenient for the factories and service units to timely know the travel conditions of every elevator and promptly take the corresponding measures.
- **Camera function in the car**
  - The camera is installed in the car to monitor the car conditions.
Small machine room elevator specifications

<table>
<thead>
<tr>
<th>Persons</th>
<th>Rated capacity (kg)</th>
<th>Rated speed (m/s)</th>
<th>Net size of car (mm)</th>
<th>Net size of door (mm)</th>
<th>Shaft size (mm)</th>
<th>Machine room size (mm)</th>
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<tr>
<td></td>
<td></td>
<td></td>
<td>C.W x C.D x D.H</td>
<td>2P Central opening</td>
<td>H.W x H.D.</td>
<td>M.R/W x M.R/O</td>
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<td>1100x2100</td>
<td>2700x2700</td>
<td>2500x2950</td>
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Machine roomless elevator specifications

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<td>H.W x H.D.</td>
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Small Machine Room Elevator Construction Layout Drawing

Machine Roomless Elevator Construction Layout Drawing
From building projects for customers to lifelong service of the products, safeelevator provides customers with meticulous services through all the procedures.

24-hour customer hotline setted for troubleshooting offers high-quality after-sales service within the shortest period.

Safeelevator elevator regularly assigns staff to detect your equipment's operation conditions and provides the most professional maintenance.

Full service, heart-to-heart connection

Our service not only ensure your security, but also guarantee your investment in the equipment aspects. Then true service is to foresee and satisfy the special requirements from vast customers because the service's definition varies according to the customer's demands. Therefore, we should have the extensive methods to satisfy these requirements.

Service Center
From building projects for customers to lifelong service of the products, safeelevator provides customers with meticulous services with great consideration through all the procedures.

24-hour urgent air service
24-hour customer hotline setted for troubleshooting offers high-quality after-sales service within the shortest period.

Monitor network
Safeelevator elevator regularly assigns staff to detect your equipment's operation conditions and provides the most professional maintenance.
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