



شركة سي جي سي للمصاعد والسلالم الكهربائية المحدودة  
CGC for Elevators and Escalators Co Ltd.

Your Reliable  
Partner in  
**Elevators**  
& Escalators

Solutions

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Reaching new heights

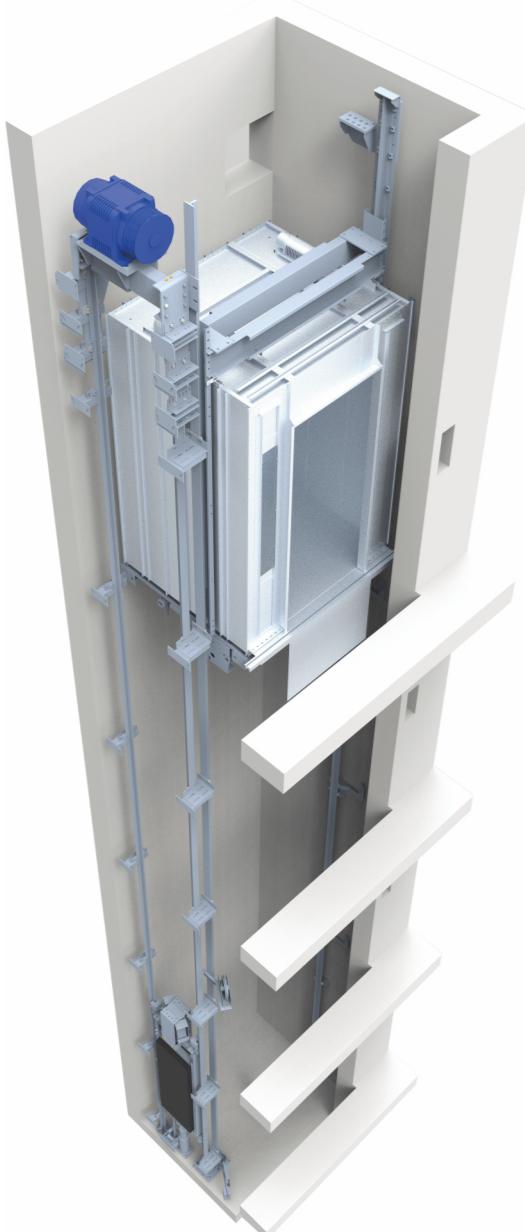


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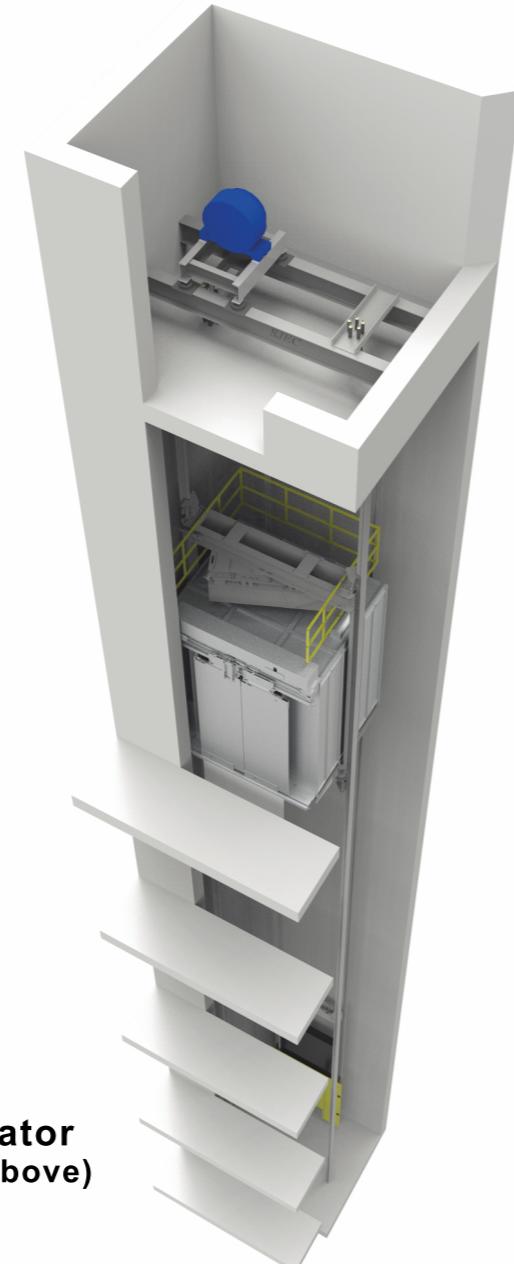
[www.cgc-elevators.sa](http://www.cgc-elevators.sa)

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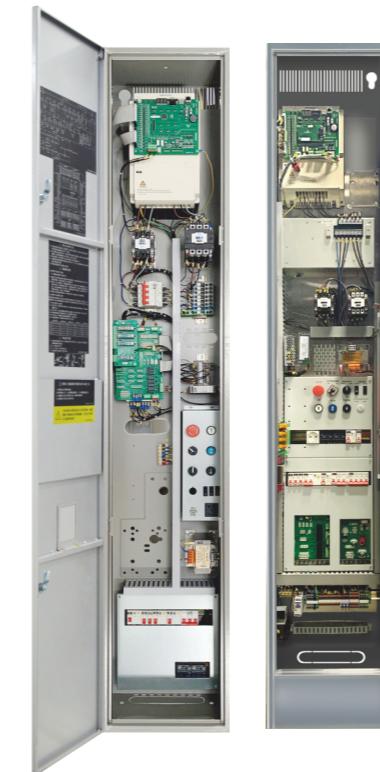


**CGC-MRL elevator**  
(elevator without machine room)



**CGC-MRA elevator**  
(elevator with machine room above)

## Advanced Control system



**VVVF driving technology:** Variable-Voltage-Variable-Frequency technology reduces power consumption and improves running precision and leveling accuracy.

**All-IN-ONE design:** highly integrated motor driving and logic control unit, not separated inverter and control board, improve efficiency and reliability.

**Auto-wakeup:** Automatically hibernation will reduce power consumption prominently during elevator standby. Auto-wakeup elevator saves 90% power consumption during standby.

**Energy generation function available:** energy generated during braking feeds back to the power supply could save by 20%~40% energy comparing with traditional braking resistor method.

**EMC design:** our control system fully complies with EN12015, EN12016 standards.

**Smooth running curve:** N-curve algorithm adopts distance control, it automatically calculates possible maximum speed according to different floor distance, makes landing directly without creeping.



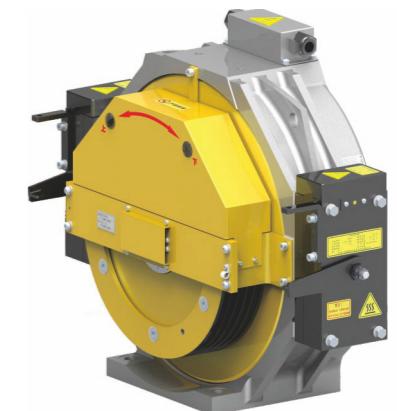
## Efficient Driving system

Our elevator uses permanent magnetic synchronized gearless traction machine. It has advantages of environmental protection, energy-saving, free-maintenance, safe reliability, high efficiency, low vibration, low noise and perfect ride comfort. It saves 30%~60% power consume comparing with traditional geared machine.



## Safe in good quality

We use more than 100 protection design including mechanical and electrical to guarantee ultimate SAFETY. All main components we provided are from world-famous manufacturers.



## Excellent performance

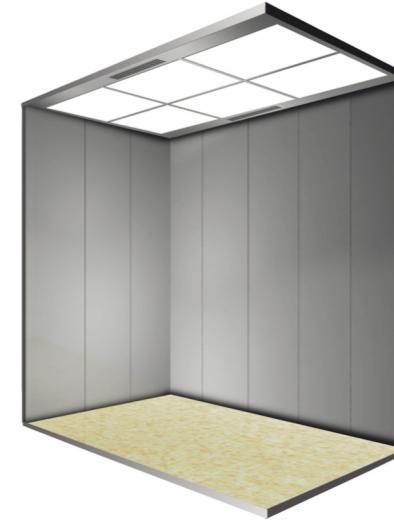
We pay much attention on passengers' comfort. It is considered much in design, such as vibration-absorption, smooth running / leveling and friend human-machine interface. Every type of our products shall be installed in our test tower. We use Physical Measurement Technologies Tools to analyze its performance. Before published into market, each of them shall be tested / developed for years until it's excellent and mature.

## Car Style

### Standard car



Wide Car



Deep Car

### Observation Lift



HC-101 Square



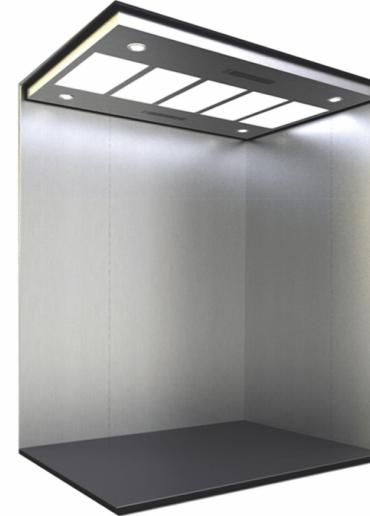
HC-007 Semi-Circle

### Optional car

#### Classical Series



JR-001 (Wide Car)



JR-004 (Deep Car)



HC-012 Hexagon



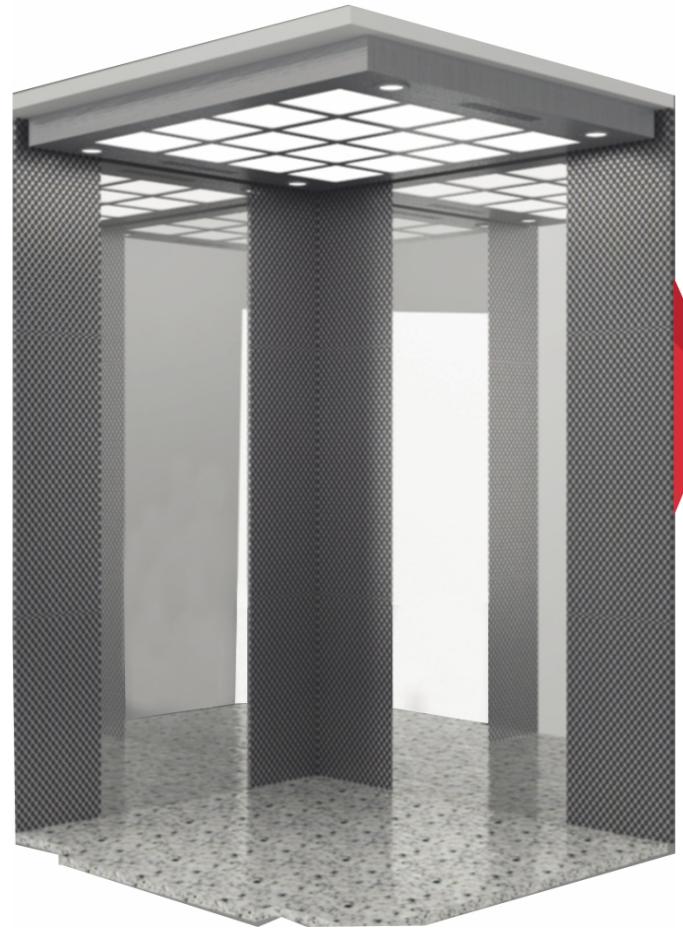
HC-010 Semi-Circle

CEILING: SC-101  
(painted steel + acrylic board, direction ventilation)  
CAR WALL: Hairline Steel Panel  
CAR DOOR: Hairline Steel Panel  
FLOOR: PVC (type selected in FLOOR page)

CEILING: SC-104  
(painted steel + acrylic board, direction ventilation;  
optional: emergency exit)  
CAR WALL: Hairline Steel Panel  
CAR DOOR: Hairline Steel Panel  
FLOOR: PVC (type selected in FLOOR page)

UPPER & LOWER COVER: Painted Steel, Lighting  
CEILING: Mirror ST/ST, Acrylic board  
CAR WALL: Mirror + Etched ST/ST, Laminated Glass  
HANDRAIL: Hairline ST/ST  
FLOOR: PVC (Optional: Marble)

UPPER & LOWER COVER: Painted Steel, Quarter-Circular Acrylic Board, Lighting  
CEILING: Painted Steel, Acrylic board  
CAR WALL: Hairline ST/ST, Laminated Glass  
HANDRAIL: Hairline ST/ST  
FLOOR: PVC (Optional: Marble)



## JR-101B

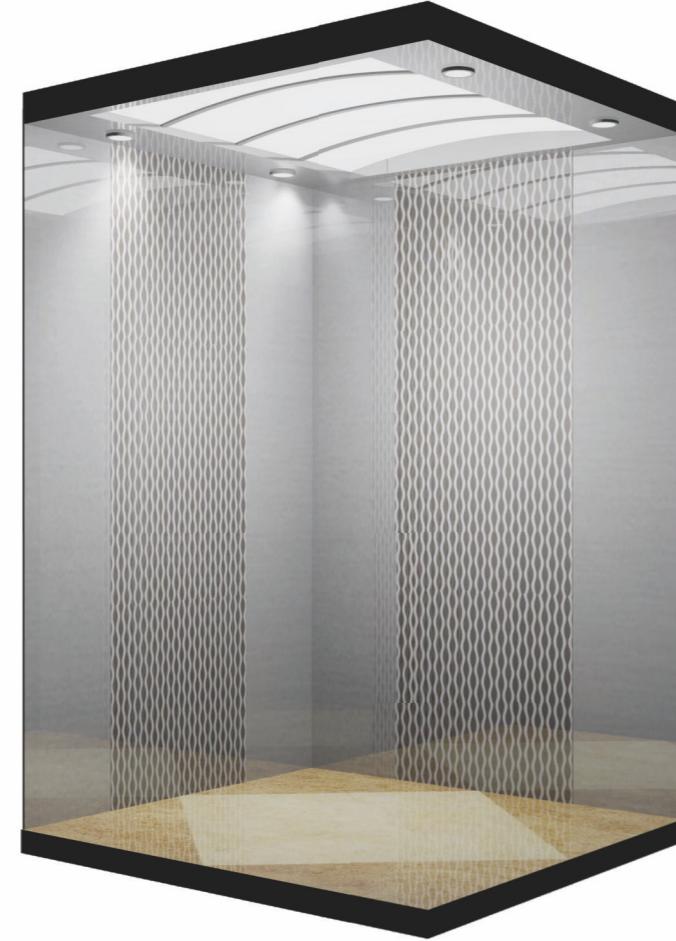
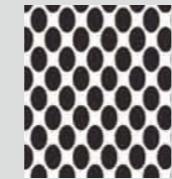
**CEILING** (height around 100 mm)  
SC-112, Hairline ST.ST + Acrylic board + LED lighting & lamps

**CAR WALL**  
Mirror ST.ST. (middle part) + Etched mirror ST.ST. HQ-21

**FRONT RETURN**  
Mirror ST.ST.

**CAR DOOR**  
Mirror ST.

**FLOOR**  
Marble DS-005 (Optional)



## JR-103

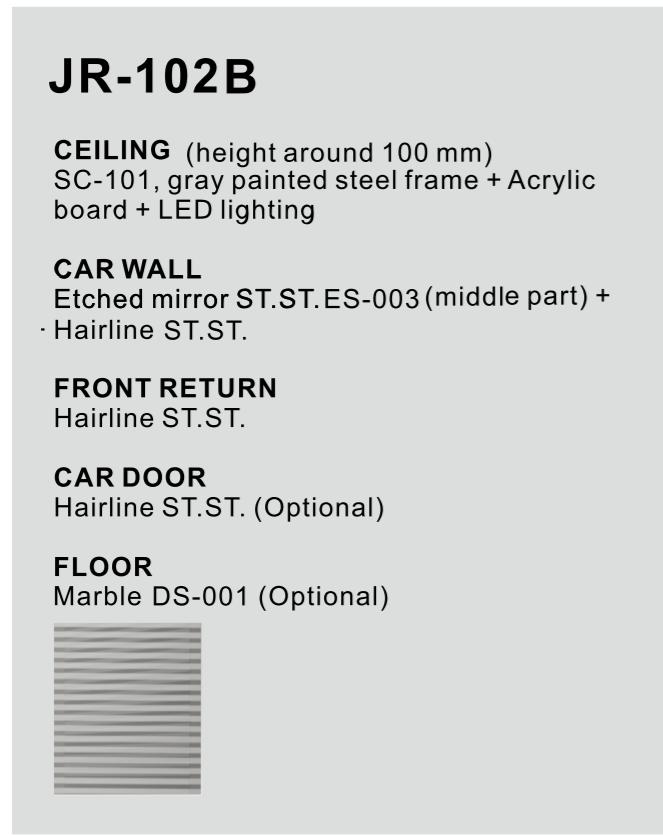
**CEILING** (height around 150 mm)  
DA630, Mirror ST.ST. + Acrylic board + LED lighting & lamps

**CAR WALL**  
Etched mirror ST.ST. GY-055 (middle part) + Mirror ST.ST.

**FRONT RETURN**  
Mirror ST.ST.

**CAR DOOR**  
Mirror ST.ST. (Optional)

**FLOOR**  
Marble DS-006 (Optional)



## JR-102B

**CEILING** (height around 100 mm)  
SC-101, gray painted steel frame + Acrylic board + LED lighting

**CAR WALL**  
Etched mirror ST.ST. ES-003 (middle part) + Hairline ST.ST.

**FRONT RETURN**  
Hairline ST.ST.

**CAR DOOR**  
Hairline ST.ST. (Optional)

**FLOOR**  
Marble DS-001 (Optional)



## JR-104

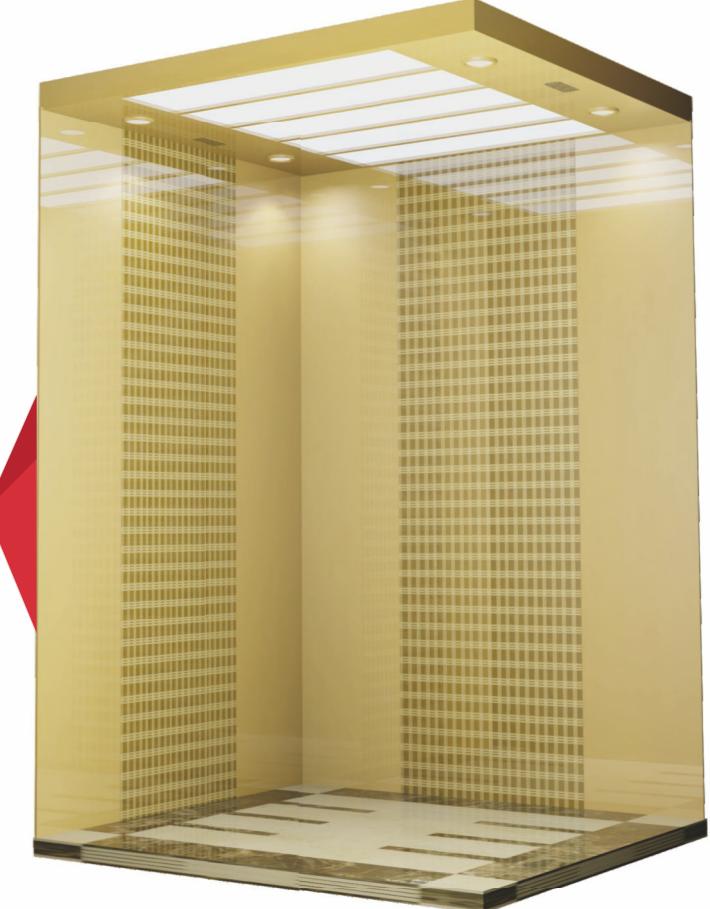
**CEILING** (height around 100 mm)  
SC-104, Golden-Ti hairline ST.ST. + Acrylic board + LED lighting & lamps

**CAR WALL**  
Golden-Ti Etched mirror ST.ST. ES-002 (middle part) + Golden-Ti hairline ST.ST.

**FRONT RETURN**  
Golden-Ti hairline ST.ST.

**CAR DOOR**  
Golden-Ti hairline ST.ST. (Optional)

**FLOOR**  
Marble FL-103 (Optional)





## JC-002

**CEILING** (height around 150 mm)  
SC-202 Dark-Ti Hairline ST.ST.+Acrylic board

**FRONT RETURN**  
Mirror ST.ST.

**CAR WALL**  
Side walls Mirror ST.ST. + Dark-Ti Hairline ST.ST.  
Rear wall Etched Mirror ST.ST. + Dark-Ti Hairline ST.ST.

**HANDRAIL**  
Round mirror ST.ST, at rear wall

**CAR DOOR**  
Mirror ST.ST. (Optional)

**FLOOR**  
Marble DS-007 (Optional)

\* **NOTE:** when CW or CD >1600mm, the acrylic board in ceiling will be divided into 2 pieces with a middle frame.



## JC-003B

**CEILING** (height around 150 mm)  
SC-203 Mirror ST.ST. + LED lamps

**FRONT RETURN**  
Hairline ST.ST.

**CAR WALL**  
Side walls Hairline ST.ST;  
Rear wall Etched Mirror ST.ST. + Mirror ST.ST.

**SKIRTING**  
Hairline ST.ST.

**HANDRAIL**  
38mm Round mirror ST.ST, at side walls

**CAR DOOR**  
Hairline ST.ST. (Optional)

**FLOOR**  
Marble DS-008 (Optional)

\* **NOTE:** light number may change per car size



## JC-102

**CEILING** (height around 150 mm excluding lighting)  
SC-502 Mirror ST.ST. + LED lamps

**FRONT RETURN**  
Bronze-Ti Mirror ST.ST.

**CAR WALL**  
Side walls Bronze-Ti Mirror ST.ST  
Rear wall 3D Laminated sheet FM102.(Optional)

**SKIRTING**  
Hairline ST.ST.

**HANDRAIL**  
ST.ST, at side walls

**CAR DOOR**  
Bronze-Ti Mirror ST.ST. (Optional)

**FLOOR**  
Marble DS-009 (Optional)

**Various laminated wall available**

Wooden pattern	3D surface
	
FM088	FM089
	
FM101	FM102
	
FM103	FM104

## JC-103

**CEILING** (height around 150 mm)  
SC-503 Mirror ST.ST. + LED lamps + Acrylic board

**FRONT RETURN**  
Dark-Ti Mirror ST.ST.

**CAR WALL**  
Dark-Ti Mirror ST.ST. + Etched Mirror ST.ST.

**SKIRTING**  
Hairline ST.ST.

**HANDRAIL**  
Hairline ST.ST, at rear wall

**CAR DOOR**  
Dark-Ti Mirror ST.ST. (Optional)

**FLOOR**  
Marble DS-010 (Optional)





### JH-001

**CEILING** (height around 150 mm)  
SC-301 Mirror ST.ST. + Etched mirror ST.ST. + LED

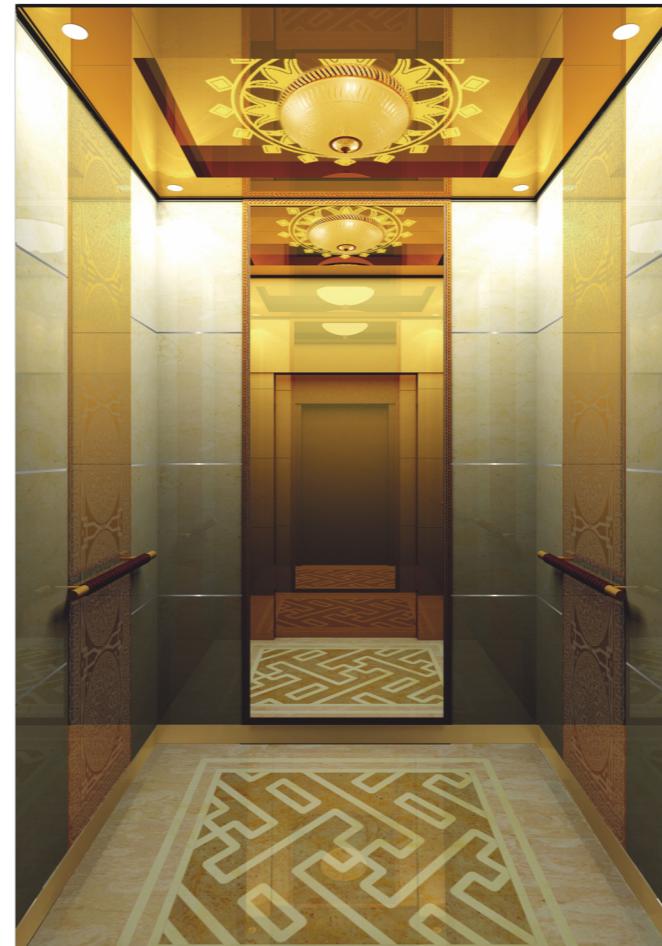
**FRONT RETURN**  
Mirror ST.ST.

**CAR WALL**  
Wooden surface. + Mirror ST.ST.  
+ ST.ST. strip

**SKIRTING**  
Hairline ST.ST.

**CAR DOOR**  
Mirror ST.ST. (Optional)

**FLOOR**  
Marble DS-001 (Optional)



### JH-004B

**CEILING**  
(height around 150 mm excluding center lighting)  
SC-304 Golden-Ti Etched mirror ST.ST. + Suspended lighting + Golden-Ti Mirror ST.ST. + LED lamps

**FRONT RETURN**  
Golden-Ti Mirror ST.ST.

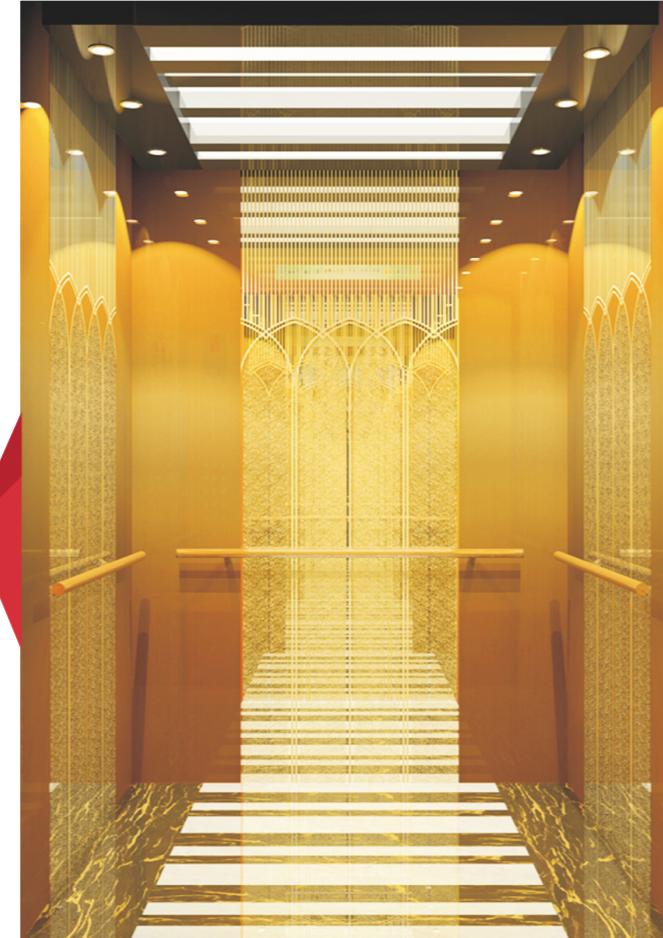
**CAR WALL**  
Side walls Golden-Ti Etched mirror ST.ST.  
(middle part) + Marble with Silver ST.ST. strip  
Rear wall Framed glass mirror  
(middle part) + Marble with Silver ST.ST. strip

**SKIRTING**  
Golden-Ti Mirror ST.ST.

**HANDRAIL**  
Round, Wooden surface + Golden-Ti Hairline ST.ST, at side walls

**CAR DOOR**  
Golden-Ti Mirror ST.ST. (Optional)

**FLOOR**  
Marble DS-003 (Optional)



### JH-003

**CEILING** (height around 150 mm)  
SC-303 Mirror ST.ST. + Acrylic board + LED lamps

**FRONT RETURN**  
Golden-Ti Hairline ST.ST.

**CAR WALL**  
Golden-Ti Etched mirror ST.ST.  
(middle part) + Golden-Ti Hairline ST.ST.

**HANDRAIL**  
Round Golden-Ti Hairline ST.ST., at 3 sides

**CAR DOOR**  
Golden-Ti Hairline ST.ST. (Optional)

**FLOOR**  
Marble DS-002 (Optional)

### JH-101B

**CEILING:** (height around 150 mm)  
SC-504 Sand blasted ST.ST. + Mirror ST.ST. + LED lamps

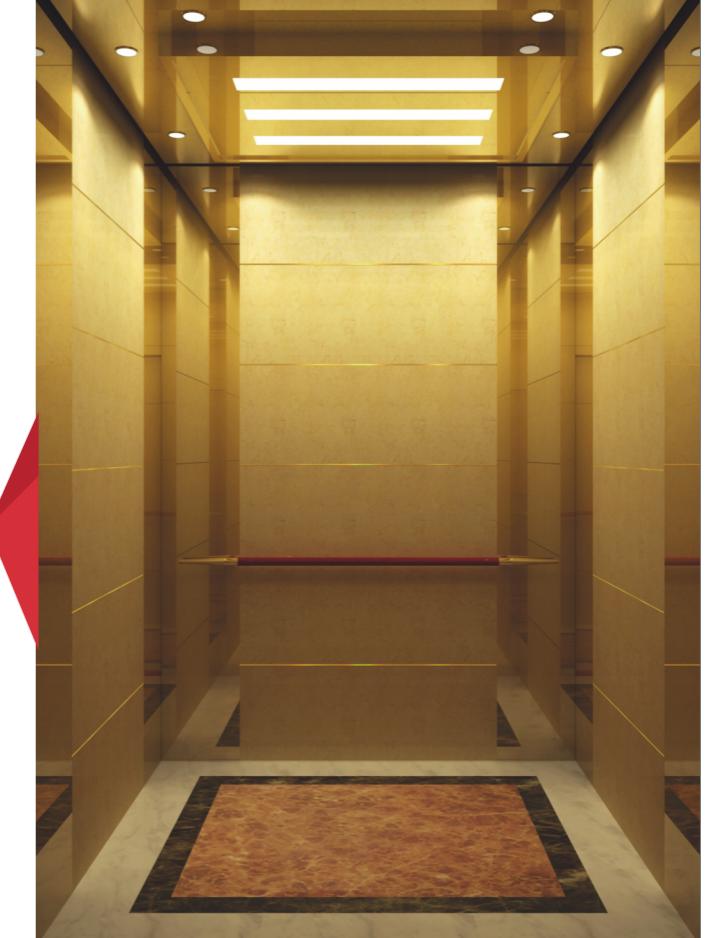
**FRONT RETURN**  
Golden-Ti Mirror ST.ST.

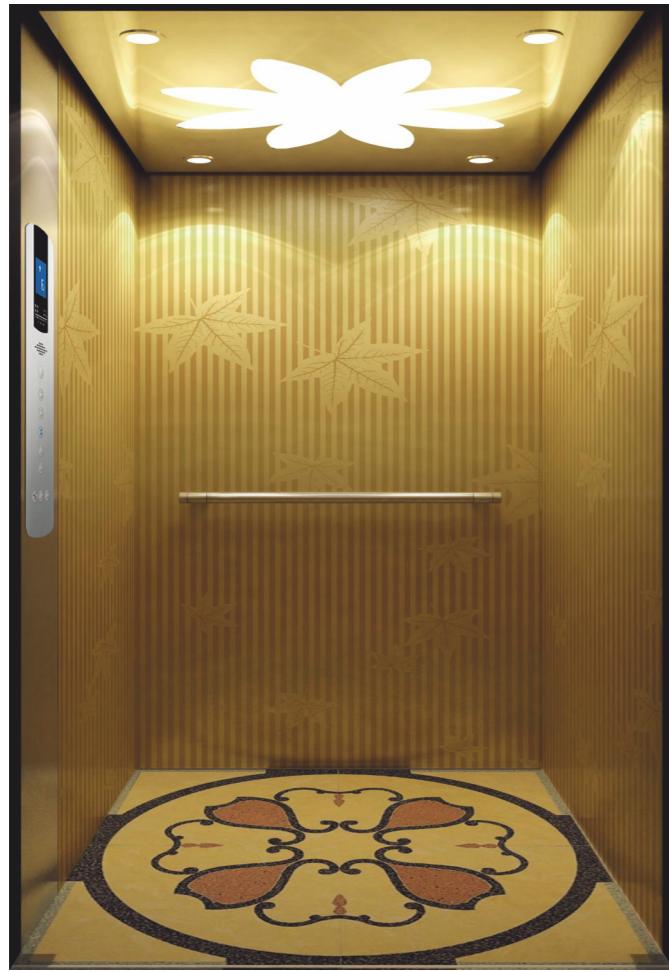
**CAR WALL**  
Marble with brass color strip (middle part) + Golden-Ti Mirror ST.ST.

**HANDRAIL**  
Round, Wooden surface + Golden-Ti Mirror ST.ST at rear sides

**CAR DOOR**  
Golden-Ti Mirror ST.ST. (Optional)

**FLOOR**  
Marble DS-011 (Optional)





### VC-003

**CEILING** (height around 100 mm)  
Golden-Ti Etched mirror ST.ST. + Acrylic board + LED lamps

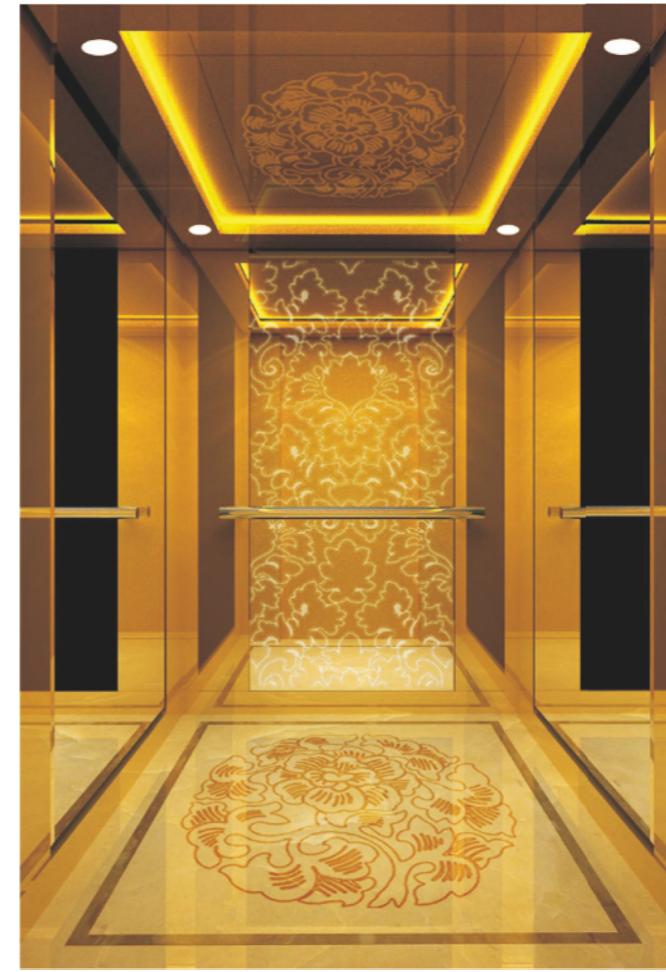
**CAR WALL**  
Golden-Ti Etched mirror ST.ST. + Sliver hairline ST.ST.

**FRONT RETURN**  
Sliver hairline ST.ST.

**HANDRAIL**  
Round Sliver hairline ST.ST., at rear side

**CAR DOOR**  
Silver Hairline ST.ST. (Optional)

**FLOOR**  
PVC



### VC-007

**CEILING** (height around 150 mm)  
Golden-Ti mirror ST.ST + Golden- Ti etched ST.ST + LED lamps & light bar

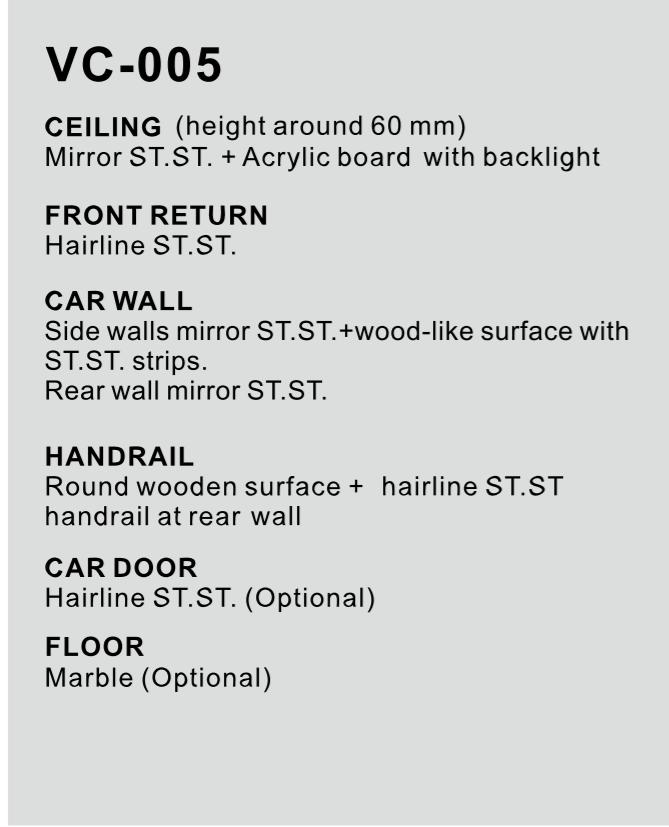
**FRONT RETURN**  
Golden-Ti mirror ST.ST

**CAR WALL**  
Side Walls golden-Ti mirror ST.ST. + glass mirror  
Rear Wall golden-Ti mirror ST.ST. + golden-Ti etched ST.ST.

**HANDRAIL**  
Round golden-Ti ST.ST handrail at rear wall

**CAR DOOR**  
Golden-Ti mirror ST.ST. (Optional)

**FLOOR**  
Marble (Optional)



### VC-005

**CEILING** (height around 60 mm)  
Mirror ST.ST. + Acrylic board with backlight

**FRONT RETURN**  
Hairline ST.ST.

**CAR WALL**  
Side walls mirror ST.ST.+wood-like surface with ST.ST. strips.  
Rear wall mirror ST.ST.

**HANDRAIL**  
Round wooden surface + hairline ST.ST handrail at rear wall

**CAR DOOR**  
Hairline ST.ST. (Optional)

**FLOOR**  
Marble (Optional)



### VC-008A

**CEILING**  
(height around 150 mm excluding center lighting)  
Champagne-Ti sandblasted ST.ST. frame + LED lamps + Champagne-Ti mirror ST.ST. + Suspended lighting

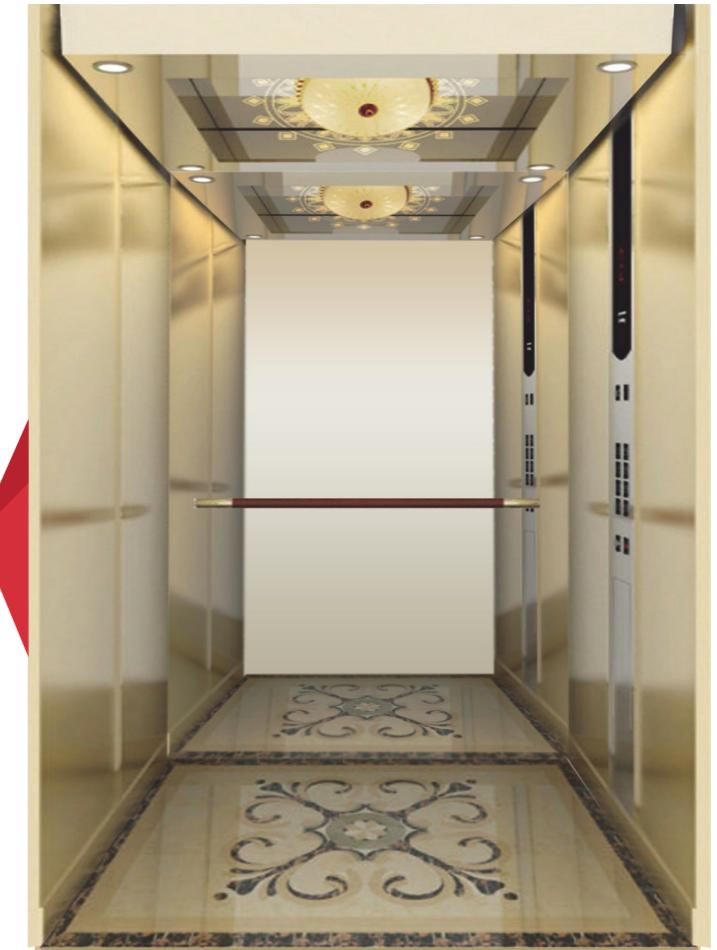
**FRONT RETURN**  
Champagne-Ti sandblasted ST.ST.

**CAR WALL**  
Side wall Champagne-Ti sandblasted ST.ST. + Silver ST.ST. strip  
Rear wall Champagne-Ti mirror ST.ST.

**HANDRAIL**  
Champagne-Ti sandblasted ST.ST. + wooden surface at rear side

**CAR DOOR**  
Champagne-Ti sandblasted ST.ST. (Optional)

**FLOOR**  
Marble (Optional)



## Ceiling



**SC-101(Standard for wide car)**

Height 100mm;  
Silver gray painted steel + Acrylic panel;  
Direct ventilation



**SC-103(Standard for deep car)**

Height 100mm;  
Silver gray painted steel + Acrylic panel;  
Direct ventilation



**SC-104(Optional)**

Height 100mm;  
Hairline ST/ST (Option: Mirror ST/ST) + Acrylic panel  
+ LED lamps;  
Direct ventilation; Emergency exit Available



**SC-108(Optional)**

Mini-height 70mm;  
Hairline ST/ST (Option: Mirror ST/ST) + LED lamps;  
Direct ventilation



**SC-203(Optional)**

Height 150mm;  
Hairline ST/ST (Option: Mirror ST/ST) + LED lamps;  
Hidden ventilation



**SC-111(Optional)**

Height 100mm;  
Hairline ST/ST (Option: Mirror ST/ST) + Acrylic panel  
+ LED lamps;  
Direct ventilation; Emergency exit Available



**SC-112(Optional)**

Height 100mm;  
Hairline ST/ST (Option: Mirror ST/ST) + Acrylic panel  
+ LED lamps;  
Direct ventilation; Emergency exit Available



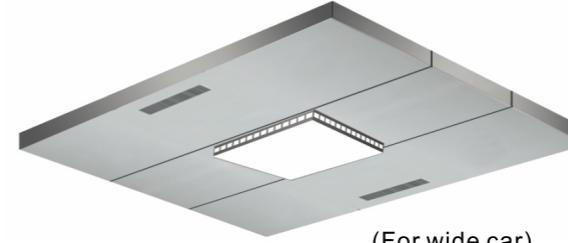
**SC-113(Optional)**

Height 100mm;  
Hairline ST/ST (Option: Mirror ST/ST) + Acrylic panel  
+ LED lamps;  
Direct ventilation; Emergency exit Available



**SC-114(Optional)**

Height 100mm;  
Hairline ST/ST (Option: Mirror ST/ST) + Acrylic panel  
+ LED lamps;  
Direct ventilation; Emergency exit Available



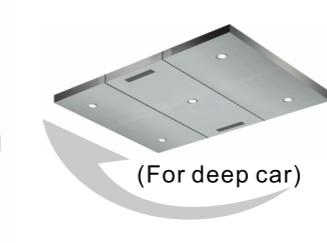
**DA602**

(car roof type without suspended ceiling)  
Painted steel RAL 7036  
(Option: Hairline or Mirror ST/ST)  
+ LED light  
Direct ventilation



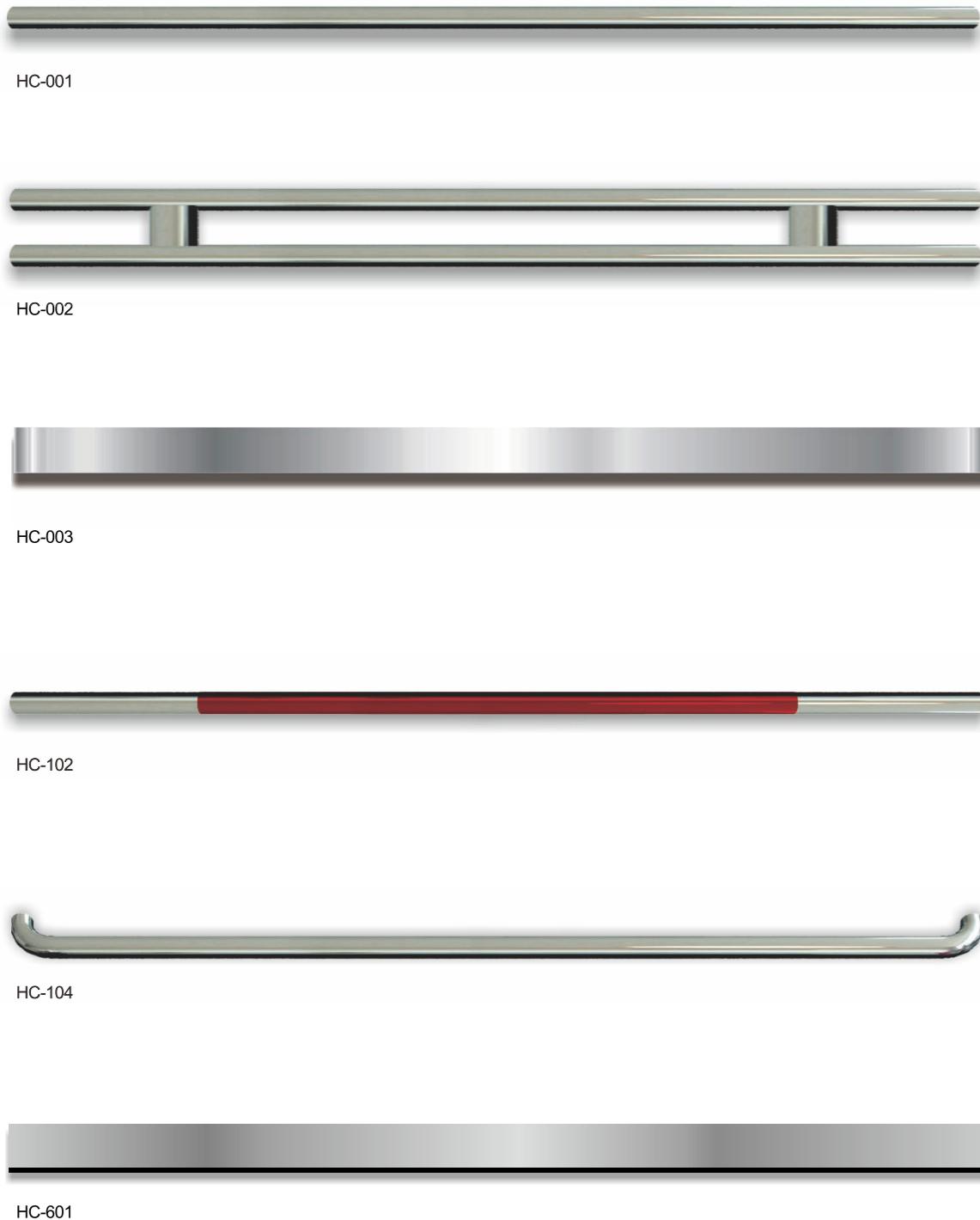
**DA603**

(car roof type without suspended ceiling)  
Painted steel RAL 7036  
(Option: Hairline or Mirror ST/ST)  
+ LED light  
Direct ventilation  
(proposed for load ≤1150kg)



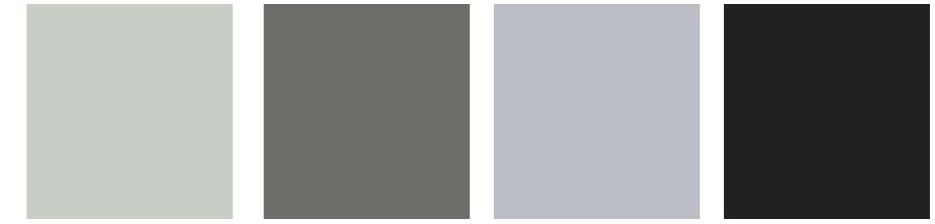
\*All images here are for reference only, and the actual products shall prevail.

## Car Ceiling/Handrail/Indication system

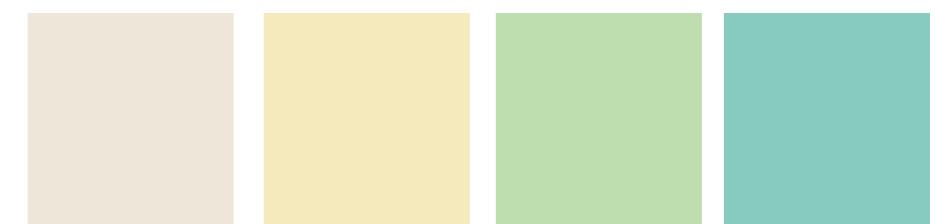


## Car Wall & Door Materials

Standard  
(Painted Steel)

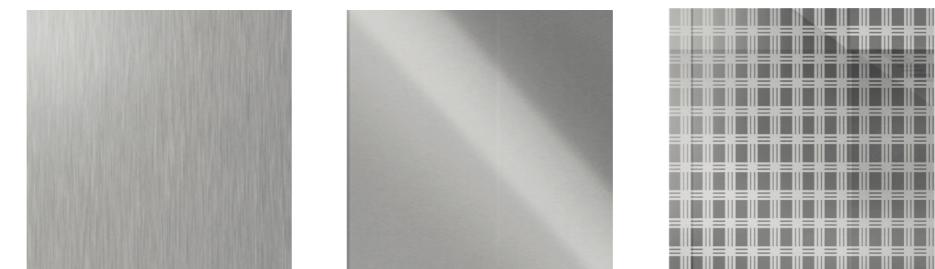


RAL7035 RAL7036 RAL9006 RAL9004



RAL9010 RAL1015 RAL6019 RAL6027

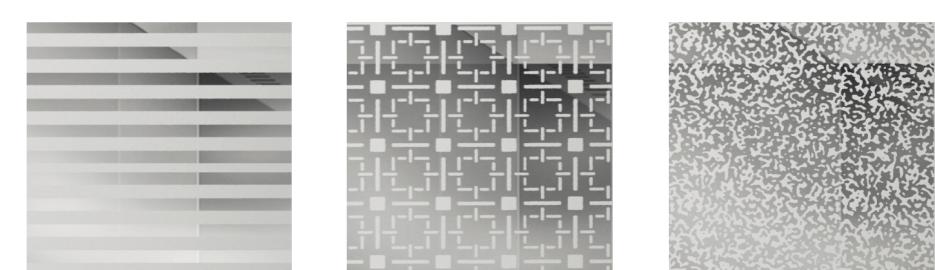
Optional  
(Stainless Steel)



HS-001  
Hairline ST/ST

HS-002  
Mirror ST/ST

ES-002  
Etched ST/ST



ES-003  
Etched ST/ST

ES-004  
Etched ST/ST

ES-005  
Etched ST/ST

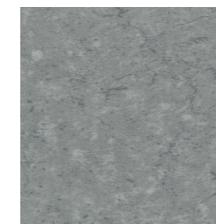
\*All images here are for reference only, and the actual products shall prevail.

## Floor

PVC tile



BN2031

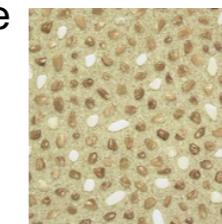


BN2038



WY9003

Embossed Stone  
Style (PVC)



ES-2

Carpet-like style  
(PVC)

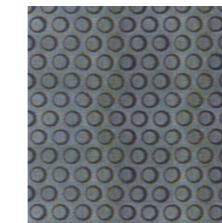


B-308

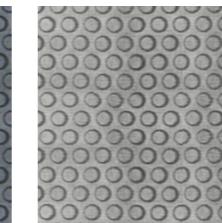


B-358

Rubber Floor



Black



Gray

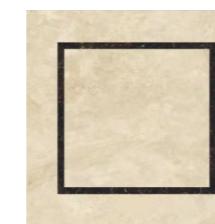
Marble-like style  
(PVC)



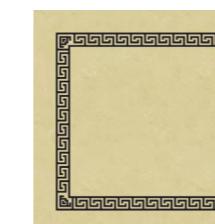
S7704



S7708



DP-001



DP-002

Checked Metal  
Floor

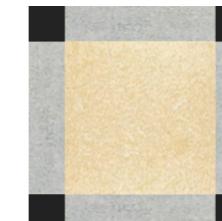


Checked Aluminum

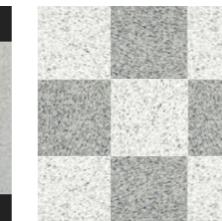


Checked ST.  
(painted)

Marble Floor



D-001



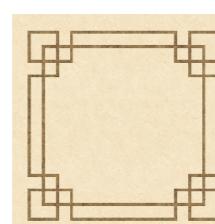
D-002



D-003



D-004



DP-003



DP-004



DP-005



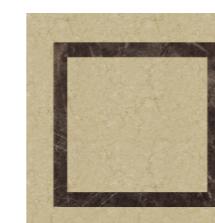
DP-006



DP-007



DP-008



DP-009

\*All images here are for reference only, and the actual products shall prevail.



FOB340



FOB340

Material: Stainless Steel Faceplate  
 Feature: Full height type;  
 Customizable (faceplate material, display, buttons)



COB 050



COB 070



COB 310



COB 650



FOB340



FOB310



FOB650



FOB700

Material: Plastic + Stainless Steel Faceplate  
 Feature: Flat type



FOB310 Separated Type



\*All images here are for reference only, and the actual products shall prevail.

Note: "Stainless Steel" mentioned above is Natural color Hairline Stainless Steel as standard.  
 Standard Display is Segment LED. Please contact us if you have customized requirements.

## Auxiliary COP for disability ▼



### CD-400

Material: Stainless Steel Faceplate  
Feature: Auxiliary COP; Extruded type; EN81-70 available

\*All images here are for reference only, and the actual products shall prevail.

## FOB Feature ▼

FOB TYPE	Insallation Meethod	One for One lift			
		Segment LED	Dot-Matrix LED	Colored LCD ( 4.3" )	Customized Size
FOB340	Mounted on Wall	●	○		
FOB310	Inserted in Wall	●	○	○	○
FOB310 Separated	Inserted in Jamb	●	○	○	○
FOB650	Inserted in Wall	●	○	○	
FOB700	Mounted on Wall	●	○	○	○

FOB TYPE	Insallation Meethod	One for Two lifts			
		Segment LED	Dot-Matrix LED	Colored LCD ( 4.3" )	Customized Size
FOB340	Mounted on Wall	●	○		
FOB310	Inserted in Wall	●	○	○	○
FOB310 Separated	Inserted in Jamb	●	○	○	○
FOB650	Inserted in Wall	●	○	○	
FOB700	Mounted on Wall	●	○	○	○

## COP Feature ▼

COB	Segment LED	Dot-Matrix LED	Colored LCD	Customized Size	EN81-70
COB050	●	○	○		
COB070	●	○	○		○
COB310	●	○	○	○	○
COB650	●	○			○
CD-400				○	●

### NOTE:

Please contact us about your requirements in advance. Some extra functions (such as access control, extra keys, huge size buttons, etc.) may cause the Max.Floor reduced, or COP size customized. However, some types can't be customized.

Colored LCD includes 7 inch, 8 inch, 10 inch as options

○ Non-standard design / not always available. Please contact us about your requirements in advance.

FOB TYPE	Insallation Meethod	Separate type		
		Dot-Matrix LED	Colored LCD ( 4.3" )	Customized Size
FOB340	Mounted on Wall	N/A	N/A	N/A
FOB310	Inserted in Wall	●		○
FOB310 Separated	Inserted in Jamb	●		○
FOB650	Inserted in Wall	N/A	N/A	N/A
FOB700	Mounted on Wall	●		○

Please contact us about your requirements in advance. Some extra functions (such as hall arriving gong device, extra keys, huge size buttons, etc.) may cause FOB size customized. However, some types can't be customized.

○ Non-standard design / not always available. Please contact us about your requirements in advance.

## DISPLAY for COP ▼



Segment LED



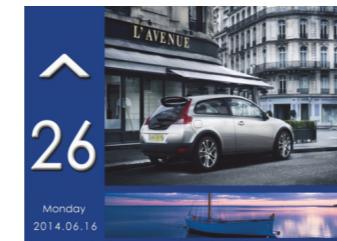
Dot-Matrix LED



7 inch  
colored LCD



8 inch/10 inch  
colored LCD



Media LCD

## BOTTON ▼



NOTE: BC001 is as standard. Buttons in different illumination colors available.

\*All images here are for reference only, and the actual products shall prevail.

## DISPLAY for FOB ▼



Segment LED



Dot-Matrix LED



4.3 inch  
colored LCD

## HALL LANTERN ▼



DZD-1



DZD-2



DZD-3

Hall Lantern Type	Faceplate Size
DZD-1	100*260mm
DZD-2	100*260mm
DZD-3	90*340mm

NOTE: Faceplate material is Hairline Stainless Steel as standard.  
The color of lantern, material of faceplate can be customized.

NOTE: Segment LED is as standard.

\*All images here are for reference only, and the actual products shall prevail.

## Standard Function

Function	Description
Direct travel leveling	The system automatically calculates and generates the running curves based on the distance, enabling the elevator to directly stop at the leveling position without creeping.
Automatic generation of optimum curve	The system automatically calculates the optimum speed curve compliant with the human-machine function principle based on the distance, without being limited by the number of curves or short floor.
Motor auto-tuning	With simple parameter setting, the system can obtain the motor parameters no matter whether the motor is with-load or without load.
Shaft learning	Shaft learning is required before first-time automatic running. During shaft learning, the elevator runs from the bottom floor to the top floor at the inspection speed and automatically records all position signals in the shaft.
Re-running automatically when elevator is re-powered	Elevator will get into normal service automatically without manual operation after power resume.
Floor position auto-correction	Every time when elevator pass leveling plate, floor position pulse will be corrected to theory value got from shaft learning.
Car location adjusted automatically	Every time the elevator runs to the terminal floor, the system automatically checks and corrects the car position information based on slow-down switch 1, and eliminates over travel top terminal or bottom terminal with use of the slow-down switches.
Automatic startup torque compensation	The system automatically implements startup torque compensation based on the current car load, achieving smooth startup and improving the riding comfort.
Running times recording	In automatic running state, the system automatically records the running times of the elevator.
Running time recording	The system automatically records the accumulative working hours of the elevator.
Over voltage protection	Once power source voltage exceeds 120%, the motor will be protected against damages.
Phase trip protection	Once power supply is short of any phase or phase reversed, the motor will be protected against damages.
Over current protection	Once current output to motor is over a set value, the motor will be protected against damages.
Motor over heat protection	Once motor winding temperature is over a set value, the motor will be protected against damages.
Encoder trip protection	Once encoder has fault, the motor will stop running immediately.
Contact stuck protection	System will monitor the contacts of contactors, if abnormal, the next running will not be allowed until the problem is resolved.
Bidirectional over speed protection	Once lift is running under over speed, lift will be stopped by electrical control system immediately.
Running direction reversal protection	Once the running direction monitored by encoder is not same as actual running direction, lift will stop running immediately.
Travel over time protection	During normal mode running, if leveling sensor signal does not feedback to control system over the set time, motor power will be cut to prevent motor working under abnormal situation.
Final terminal protection	Prevent the elevator from traveling beyond a terminal landing.
Car overload protection	When car load exceeds rated load, lift will hold stop with door open at the floor and the buzzer alarms and overload lighting illuminated.
Anti door lock bridge	Door locks circuit is always monitored. Once door lock is detected be shorted, the lift will be not possible to start next running under normal mode.
Opposite direction car call cancelled automatically	When elevator runs to terminal floors or running direction changes, all registered opposite direction car call will be cancelled automatically to avoid unnecessary running.
Full-load non-stop running	When car load exceeds 80% of rated load, it ignores all hall calls to avoid useless stop and increase the efficiency of transportation. These ignored calls will be registered but responded in next trip (simplex) or by other lift (group control).
Low-speed re-level in case of some fault	When lift stops at the locking door zone by fault, lift will go to the nearest floor under lower speed and open the door.
Next floor if open door faults	If doors can't be opened or can't be fully opened, the lift will close the door and go to the next floor to open the door.
Warning if stop of door zone	The system gives a prompt when the elevator stops at a non door zone area due to faults.
Emergency illumination in car	When normal lighting power supply fails, car emergency lighting on COP will be illuminated by emergency power source.
Fault data recording	Controller will record latest 11 faults information include fault code, time and floor, and it will record the details of last fault.
Emergency alarm	When passenger trapped in car, press the button, the buzzer will alarm.
Automatic car fan	Car fan will be shut down automatically if no more calls are registered after a set time.
Automatic car lighting	Car lighting will be shutdown automatically if no more calls are registered after a set time.
Fire return feedback	Control system could output a signal to building fire alarm system when car reach nominated floor.
Floor number display settable	Floor display number could be set by 0-9, and English letter A-Z (I and O not available on some type display).
Automatic returning to parking floor	If no call during a set time, car will return to nominated main floor and wait for new calls.
Car fan manually control	Car ventilation fan could be turned on or off by this key switch on COP. It will be moved into "COP Window" when "COP Window" optional function is selected.

## Alternative and Optional Function

Function	Description
Car lighting manually control	turn on/off the power supply of car lighting
Attendant Operation	Lift will be operated by an attendant.
Attendant Non-stop	Under attendant operation, press this button, lift will ignore hall calls and go to the nearest registered car call floor.
Door open holding button in attendant window	The door keeps open for a set time (adjustable, maximum 1000S) after press this button.
Independent running	When IND switch is turned to "ON", landing calls will be ignored and only car call will be responded. After all car call is responded, car door will be kept opened.
Car call anti-nuisance	Once the registered car calls number is more than 3 plus the passenger numbers weighed by weighting device, all the car calls will be cancelled automatically.
Landing service upon time	It can flexibly set the time periods and corresponding service floors.
Peak service	If car call over 3 from peak service floor during peak service time, elevator will get into peak service, and car call of peak service floor will be always registered, and elevator will return this floor at idle time.
Settable door open time	Door open and close time are automatically adjusted depending on whether the call cause the door open and close is a car call or hall car or door call.
Automatic by-pass jammed hall button	If a hall button is jammed mechanically, this hall call will be automatically bypassed after being served once, until the problem is resolved.
Security floor	During the night security period, the elevator runs to the security floor first every time, opens and closes the door once, and then runs to the target floor.

Function	Description
Arrival gong on car (proposed)	When car arrives, the audible signal will be given from gong on car top to notice the passengers in the car (different sound for UP and DN). When optional function "Voice synthesizer" is selected, this function is not needed.
Shaft lighting	The shaft will be provided with permanently installed electric lighting.
Arrival gong on landing (customized)	When car arrives, gong on landing will give the audible signal to notice the waiting passengers on landing (different sound for UP and DN). The gong could be amounted on landing.
Remote shutdown interface	Lift could supply an input interface (remote signal should be dry contact) for parking function, and user could use remote parking switch to put lift out of service or put it into service.
VIP service	One floor can be defined as VIP floor. Landing call of VIP floor will be responded priority to other landings' call.
Video cable in traveling cable	The cable is used for video camera (by others) installed in the car. Cable could be Co-axial cable or CAT5 network cable.
Landing door lock double circuits checked	Landing door main contacts and hall door vice contacts are monitored separately.
Fire return by building fire system	When lift receives a fire alarm signal from the building fire alarm system, it will stop running and directly return to nominated floor with door fully opened and out of normal service.
Audio cable in traveling cable	The cable is used for audio broadcaster (by others) installed on car top.
Earthquake protection	If lift receives earthquake signal, it will stop at nearest floor and open door to free the passenger.
Hall lantern,	It indicates passengers waiting at a floor about the travel direction of arriving car.
Shaft cable trunk	Shaft cable trunk could be Plastic trunk or Metal trunk (required in case of steel shaft).
Check door lock bridge before exit inspection	When control system switch from inspection mode to normal mode, door lock circuit need to open once, otherwise, control will stay at inspection mode.
Power saving device (regenerative driver)	This device will feedback the energy produced by lift system to the power supply. It could save power about 30% depending on different type and capacity of lift.
Fireman service (phase II)	When fire happened, the lift will be operated by fireman(s), operation controls follow EN81-72.
Car call cancelable	False car call could be cancelled by press the same floor button twice continuously.
Parking key switch	2-position switch on FOB of nominated floor. On "STOP" potion, all registered calls will be cancelled and the lift will go to nominated floor with door open, then close the door and out of service. The cancelled calls will be registered on other lift (if group control). On "RUN" position, lift will be turned back to service.
Fire return switch (Phase I),	When fire return switch is activated, lift will stop running and directly return to nominated floor with door fully opened and out of normal service.
Remote manual brake release	For MRL lift, brake can be opened remotely by mechanical or electrical device.
ARD (Automatic rescue device while power off)	When power failure, lift will go to the nearest possible floor, open the door and release the passengers automatically. This is a standard function for MRL solution.
UCMP	Unintended car movement protection
Automatic re-leveling	Car move up or down at unlocking zone with door opened to keep leveling accuracy
Pre-opening door	Door will open in advance during stopping to the level.
Button with tactile, Braille, and sound	Push button follows EN81-70
Disability COP	Position of push buttons and indicator follow EN81-70
Voice announcer	Audio information of car operation (arriving floor & running direction) will be announced to passenger. English language as standard, if other foreign language required, voice document in MP3 format should be supplied.
Handrail HC-104	Position and type of handrail follows EN81-70.
Mirror (half height) on rear wall	For wheelchair user to observe obstacles behind them when moving backwards out of the car
Disability FOB	Position of push buttons and indicator follow EN81-70. The indicator shall be separated type, height 1.8-2.5m from floor.
Selective collective	Standard: Full collective (UP & DN hall call buttons on FOB) Option: Down collective (DN hall call button on FOB)
Access control (Security control)	Only after register by IC card, the call(s) could be registered. Which means lift can't be used by passenger without IC card.
Interphone	Standard: 5-terminal: monitoring room, machine room, car top, car and pit. Option: 3-terminal: machine room, car and main floor. If interphone provided by others, the interface will be reserved as required. Note: If 4 or more lifts share one monitoring room, center management phone will be used in monitoring room. In case of 4 to 22 lifts, each lift should have a cable from control panel to monitoring room. In case of 23 to 254 lifts, all lifts control panel interphones should be connected into BUS system and then to monitoring room. Cable from control panel interphone to monitoring room is by others. Please consult factory regarding cable specification.
Door safety device	Standard: 2D light curtain Option: a. 3D light curtain, b. 2D light curtain with safety edges, c. 3D light curtain with safety edges
Remote monitoring	
4 dry contact interface	System could supply 4 dry contacts to output the basic signals of lift operation including AUTO, INSPECTION, FAULT and PARKING for remote monitoring.
RS485 interface	Lift could supply a RS485 or Intranet communication interface to output all signals of lift operation for remote monitoring. Signals include: 1. status of lift (auto, parking, inspection, fault, fire return, fireman service drive control, attendant, independent, overload, full load, arrival) 2. car location and running direction (floor No., UP, DN, STOP) 3. status of doors (open, fully open, close, fully close) 4. car door position (unlocking zone, locking zone) 5. fault information (fault time, fault reasons)
Remote monitoring system	Monitoring system based on RS485 interface. Same monitor information as RS485 interface. SJEC provide monitoring hardware and monitoring software in PC. Cables between elevator and monitoring room and PC by customer.