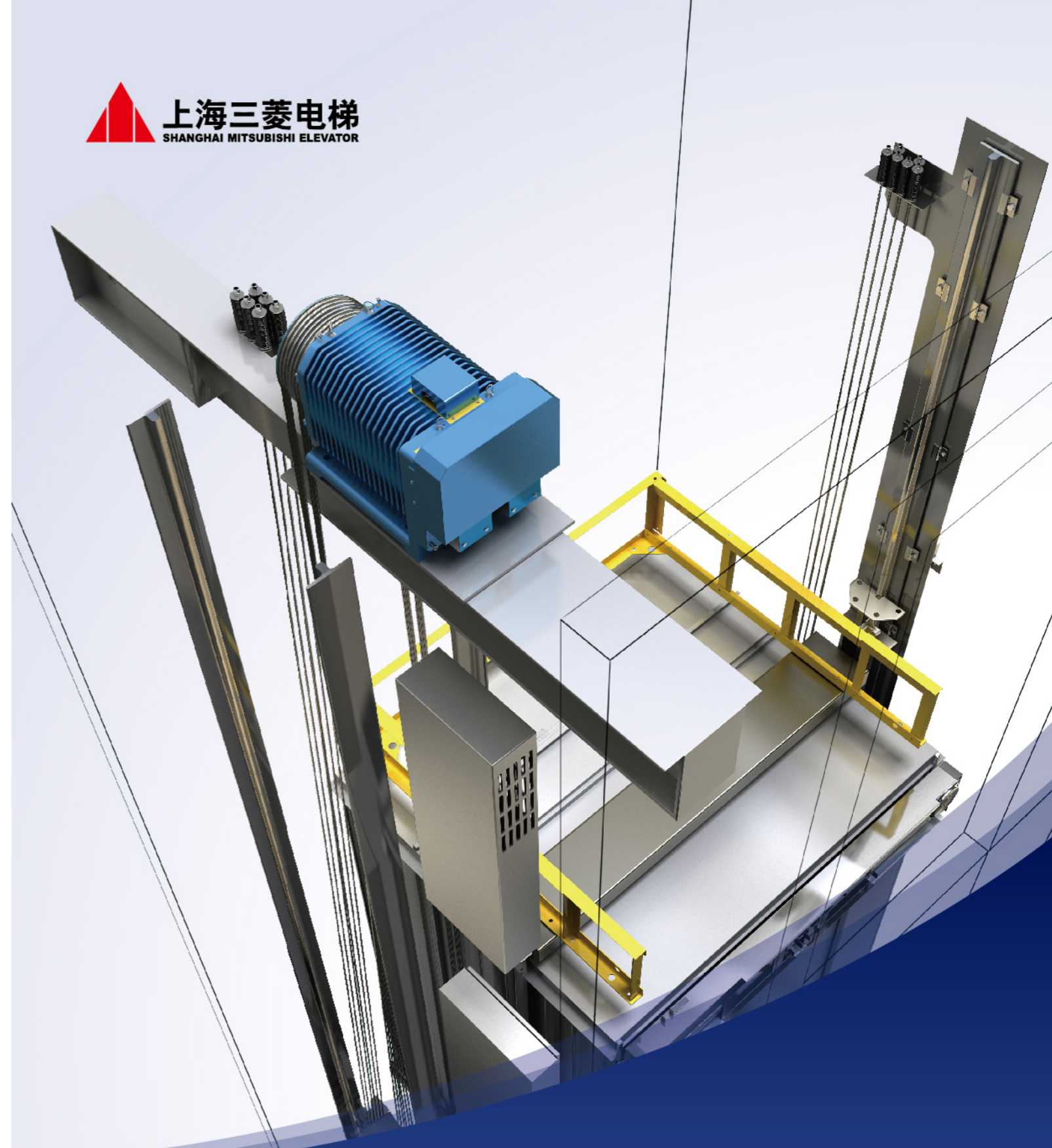



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Specifications subject to change without notice  
Printed in Apr. 2016

Attraction due to its advantage.  
Flexibility due to its space.

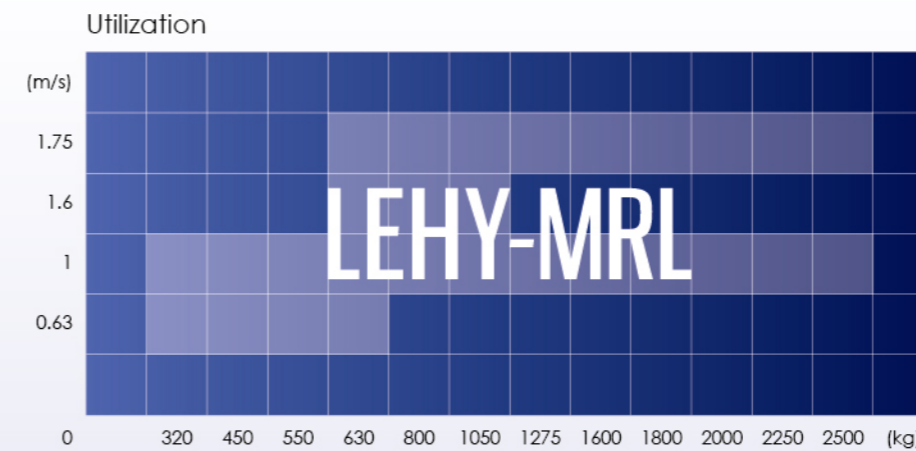
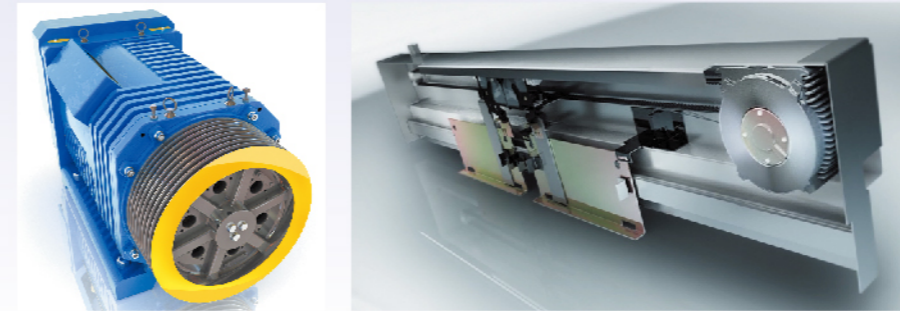
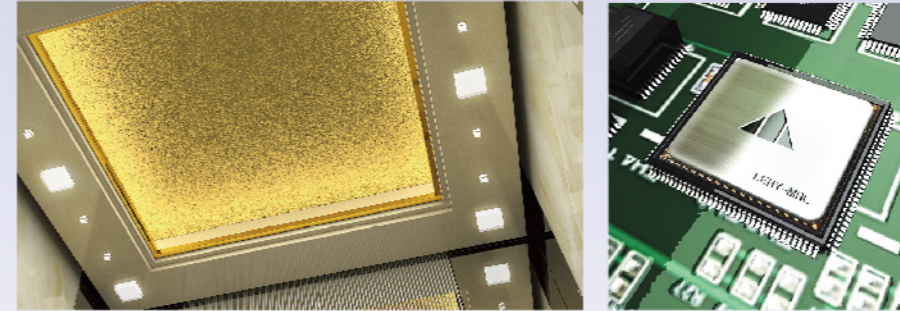
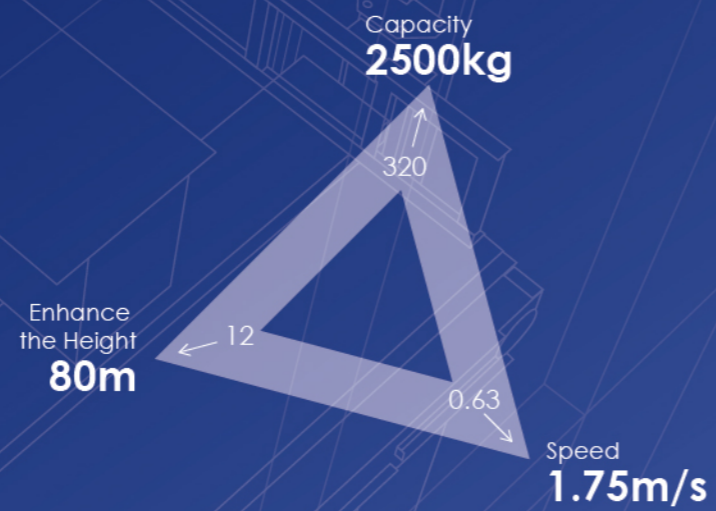
# LEHY-MRL

## LEHY-MRL

Machine-Room-Less Passenger Elevator

## Innovative LEHY Advanced Technology

With its exquisite design, LEHY-MRL elevator effectively saves the installation space, increases the construction utilization and improves the construction appearance. LEHY-MRL could adopt independent or non-independent structure according to the clients' hoistway, which grant the clients more flexibility in construction design.



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General

Design

Functions

Civil

Specifications



## Technological Innovation

### 1 Energy Feedback Technologies (optional)

Elevator may need to acquire energy from the power supply (motor condition) sometimes when it is operating; however, when the car is moving downward with heavy duty or moving upward with light duty, the electromotor will be in the generating condition (energy feedback status) and this kind of electricity may be consumed normally in the form of resistance heating, which may lead to energy consumption and is not environment friendly.

The energy feedback technology (optional) based on PWM control feeds back the power generated when the motor is in generating status to the grid and the energy saving may reach about 30% if compared with elevators without energy feedback devices. Meanwhile, the input current of the supply side will be turned into sinusoidal waveform, greatly reducing the harmonic wave pollution on the power supply. The control of the direct current side voltage will be beneficial to enhance the stability of elevator operation.

### 2 New Generation of High Power Modules

Adopt firstly in the industry the newest high power module system. Multiple fast protection of the circuit provides better protection for power modules, further enhancing the reliability of the driving system. Meanwhile, plug-in connection between the driving control circuits of the power modules and the power modules further enhances the anti-interference ability of the system.

### 3 Complete Digitalized Smart Power Supply System

Utilize complete digital controlled smart DC-DC power supply technology as a substitute of the three-phase power transformer, providing power supply to the elevator control system. New power system may be more stable and reliable and more resistant to the influence of fluctuation of power system as well as with lower energy consumption, higher efficiency and more comprehensive protection.

### 4 High Performance and Smart CPU Control System

Adopt 32 bits CPU, 32 bits DSC high speed, large scale FPGA and other high performance chips and internationally advanced SMT technology to realize complete digital control and motor driving, further improving the control performance and reliability of the system and complete ensuring the comfort and safety of the elevator.

### 1 Innovative Structure without Machine Room

Adopt patented innovative structure to realize machine-room-less layout of the elevator, enhancing space utilization ratio of building, reducing the influence of the elevator on the appearance of the building and the design and layout of the building maybe more free.

### 2 Small-scale Control Cabinet

Newly designed control cabinet adopts 32 bits CPU, 32 bits high-speed digital signal processor (DSP) and large-scale field programmable gate array (FPGA) and other high performance chips, realizing monolithic, modular and thin design of control cabinets.

### 3 Variable Velocity Variable Frequency (VVVF) Control Technology, Complete Digital Control Technology

With profound knowledge and continuous application of the state-of-the-art technologies and devices in VVVF driving of elevators, ensuring that the development of Shanghai Mitsubishi VVVF speed regulating technology is facing the direction of high performance, high reliability, digitalization and small scale. Realize speed regulation of the elevator by Space Vector Pulse Width Modulation (SVPWM). Adopt the internationally newest 6th high-power module, 32 bits high-speed digital signal controller (DSC), large-scale integrated circuit and other advanced electronic components, and the motor rotary speed of the elevator may thus be precisely regulated by following the best speed variation curve and the elevator may be operated in accordance with the ideal speed curve optimized and designed on the basis of modern ergonomic principles, realizing truly complete digital control and motor driving and thus therefore the elevator may operate stably, safely and efficiently.

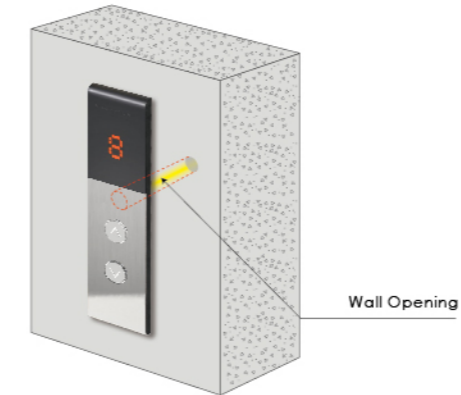
## A new Generation of Decoration System

Universal decoration system applies to all LEHY elevators of Shanghai Mitsubishi, including LEHY-III, LEHY-MRL, LEHY-M-II, LEHY-H and etc. On the basis of full preliminary surveys and demand collection analysis, the flexibility and responsiveness of the brand new developed new decoration configuration are enhanced greatly, providing the customers with choices of different grades and styles.



## Easy to install Wall-mounted Call

Call without bottom box does not require reservation of rectangular holes on the wall but small round holes on the wall for installation. The construction is easier and the installation is more convenient.



## Easily Recognizable Micro-light Buttons

Micro-light design for standby status of buttons improves the recognition of the button numbers, ensuring that the floor numbers on the buttons may be read fast under dim environment.



## Brand new Designed Integrated Cars Apply to a Variety of Architectural Styles

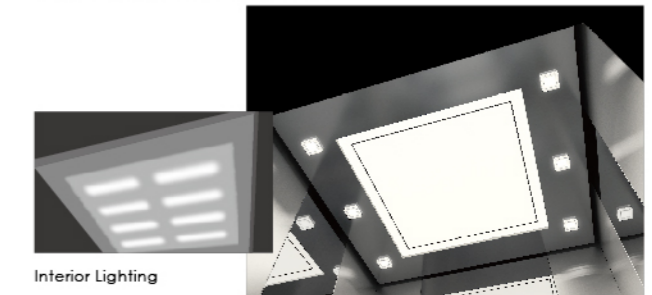


The brand new designed integrated cars apply to a majority of architectural occasions, providing various styles and satisfying diversified customer requirements:

- No additional decoration layer, and the space is more saving and the cost is lower;
- Leave the factory one time and save time and energy;
- Original quality, safe and secure.

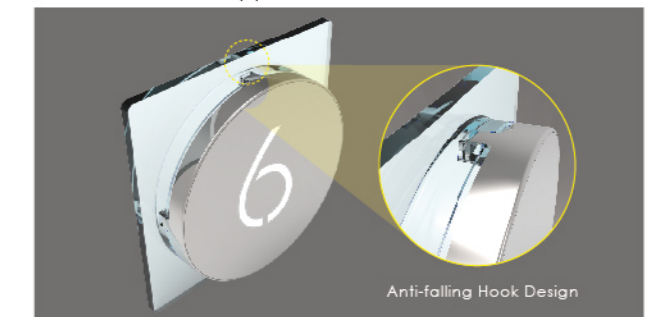
## Energy Saving and Environment Friendly LED Lighting

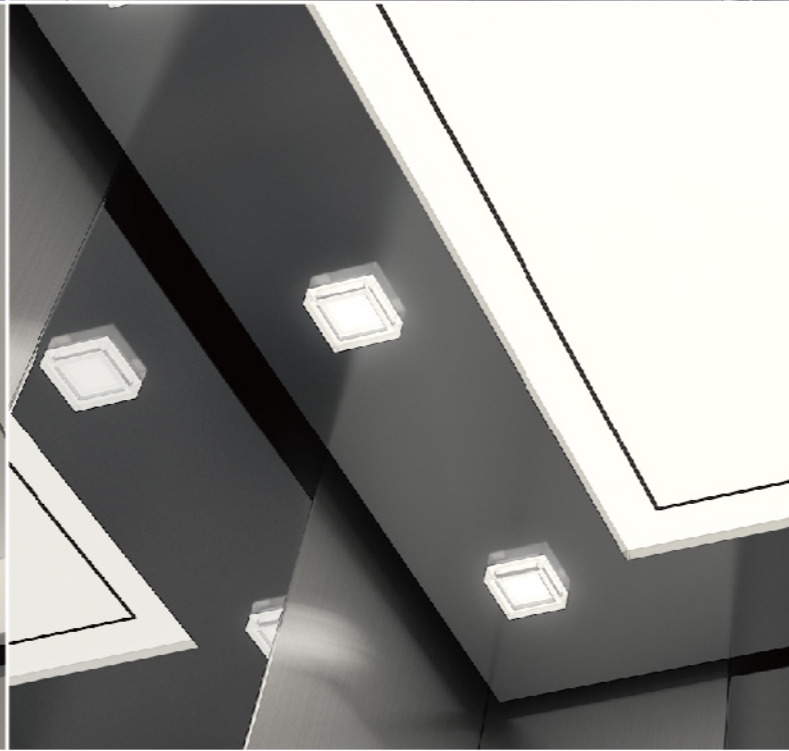
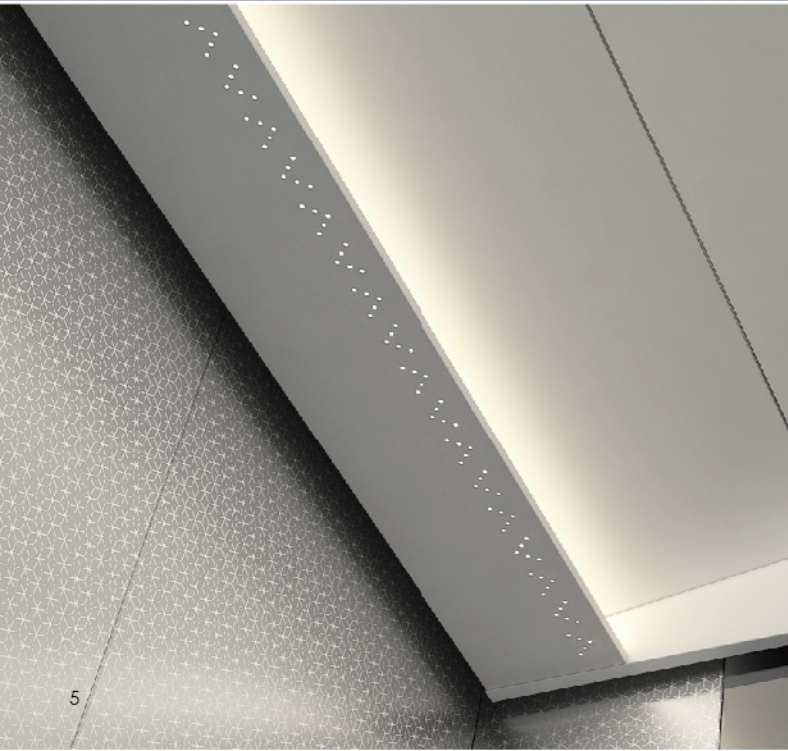
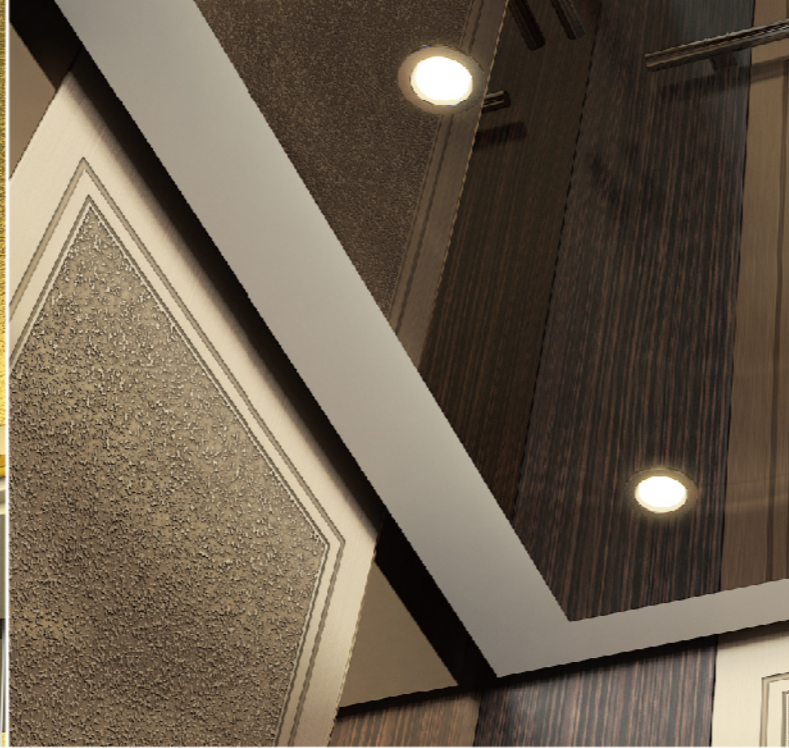
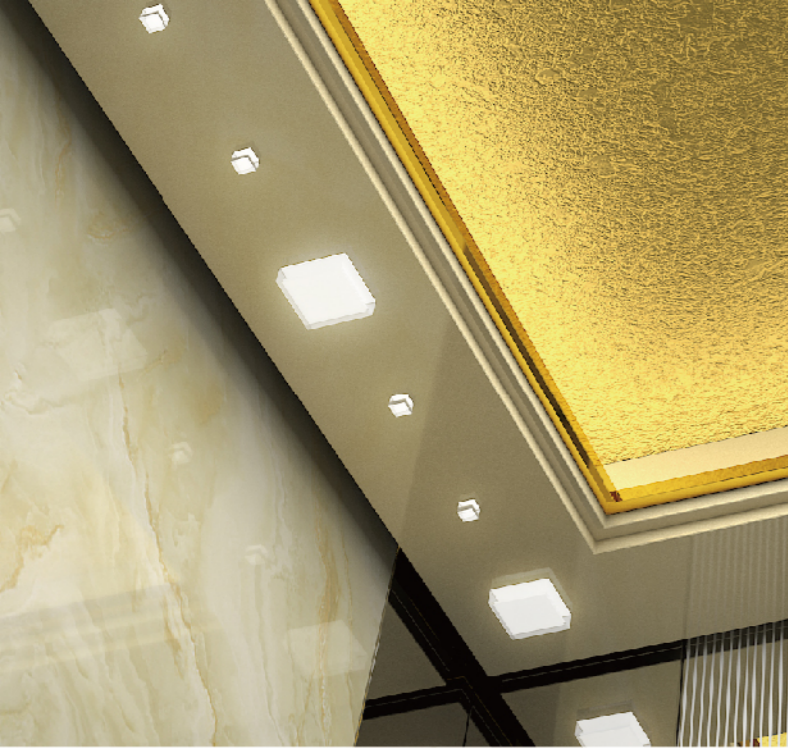
The car roofs of LEHY-MRL are all changed into LED lighting, which has a service life 5 times longer than the traditional fluorescent tubes, saving at least 50% electrical cost and thus greatly reducing the maintenance and use costs.



## Durable Buttons

The button life reaches up to 5 million times. The reinforced stainless steel button caps designed dedicated for residential elevators adopts anti-falling hook design, which may be resistant to sabotage. (1kg block falling from a height of 0.5m to the button surface for three times and the button can still work normally.)





Modern Simple



## Pinzun Cabinet / ZCD-020G

- Car Ceiling**  
ZCL-DS12
- Operation Panel**  
ZCBD01-T710/ZCBD01-T760  
(Mirror Panel)(Can select other models)
- Front Wall**  
Mirror Stainless Steel
- Side Walls**  
Hairline Etched Titanium Plated Stainless Steel (ZHF-003+ZDT-005)
- Back Wall**  
Two Sides with Hairline Etched Titanium-coated Stainless Steel (ZHF-003+ZDT-005)  
Central Mirror Stainless Steel
- Car Door**  
Mirror Stainless Steel
- Lintel**  
Mirror Stainless Steel
- Handrails**  
Two-side Stainless Steel Oblique Handrail (ZYH-SH01)  
(Can provide none or select other models)
- Floor**  
Marble Floor (ZSC-001) (Can select other models)



Note: If you have any other requirements for car configuration, please contact the Business Department of our company.



## Jueshi House / ZCD-022X

- Car Ceiling**  
ZCL-GS08
- Operation Panel**  
ZCBB02-T710  
(Mirror Titanium-coated ZDT-006 Panel) (Can select other models)
- Front Wall**  
Mirror Titanium-coated Stainless Steel (ZDT-006)
- Side Walls**  
Two-side Mirror Titanium-coated Stainless Steel (ZDT-006)  
Central Hairline Etched and Antique Bronze Treated Stainless Steel (ZHF-002)
- Back Wall**  
Two-side Pressed-film Steel Sheet (ZYM-016)  
Central Hairline Etched and Antique Bronze Treated Stainless Steel (ZHF-002)
- Car Door**  
Mirror Titanium-coated Stainless Steel (ZDT-006)
- Lintel**  
Mirror Titanium-coated Stainless Steel (ZDT-006)
- Handrails**  
Three-side Stainless Steel Round Handrails (ZYH-RH01)  
(Can provide none or select other models)
- Floor**  
Marble Floor (ZSC-014) (Can select other models)



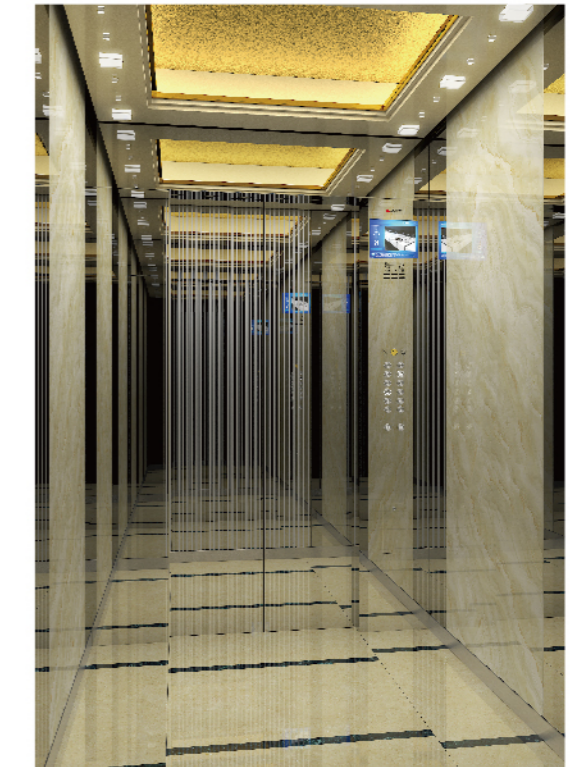
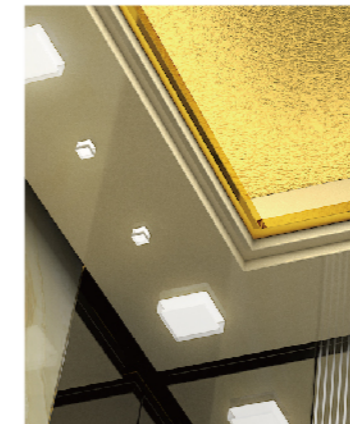
New Classics



## Guixin House / ZCD-019X

- Car Ceiling**  
ZCL-GS16 (Color code: Y033)
- Operation Panel**  
ZCBA11-T710  
(Mirror Panel)(Can select other models)
- Front Wall**  
Mirror Stainless Steel
- Side Walls**  
Two-side Mirror Stainless Steel  
Central Laminated Steel Sheet (ZYM-014)
- Back Wall**  
Two-side Mirror Stainless Steel  
Central Mirror Etched Stainless Steel (ZHY-013)
- Car Door**  
Mirror Stainless Steel
- Lintel**  
Mirror Stainless Steel
- Floor**  
Marble Floor (ZSC-002) (Can select other models)

Modern Luxury



Note: If you have any other requirements for car configuration, please contact the Business Department of our company.

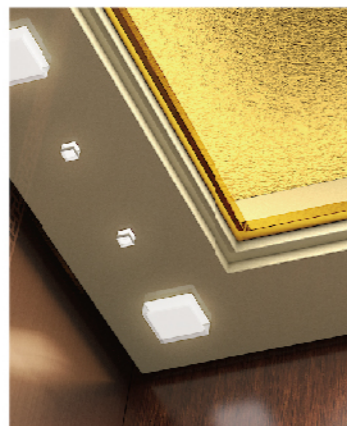


## Zijing House / ZCD-021X LED

- Car Ceiling**  
ZCL-GS16 (Color code: Y033)
- Operation Panel**  
ZCBB02-T710  
(Hairline Titanium-coated ZDT-001 Panel)  
(Can select other models)
- Front Wall**  
Hairline Titanium-coated Stainless Steel (ZDT-001)
- Side Walls**  
Two-side Hairline Etched Titanium-coated Stainless Steel (ZHY-028+ZDT-001)  
Central Laminated Steel Sheet (ZYM-001)
- Back Wall**  
Two-side Laminated Steel Sheet (ZYM-001)  
Central Mirror Etched Titanium-coated Stainless Steel (ZHY-027+ZDT-001)
- Car Door**  
Hairline Titanium-coated Stainless Steel (ZDT-001)
- Lintel**  
Hairline Titanium-coated Stainless Steel (ZDT-001)
- Floor**  
Marble Floor (ZSC-011) (Can select other models)



Modern Chinese



## Juying Cabinet / ZCD-023G LED

- Car Ceiling**  
ZCL-DS13
- Operation Panel**  
ZCBA23-T310  
(Titanium-coated ZDT-005 Panel with Irregularly-polished Lines)  
(Can select other models)
- Front Wall**  
Titanium-coated Stainless Steel with Irregularly-polished Lines (ZDT-005)
- Side Walls**  
Titanium-coated Stainless Steel with Irregularly-polished Lines (ZDT-005)
- Back Wall**  
Two-side Titanium-coated Stainless Steel with Irregularly-polished Lines (ZDT-005)  
Central Mirror Stainless Steel
- Car Door**  
Titanium-coated Stainless Steel with Irregularly-polished Lines (ZDT-005)
- Lintel**  
Titanium-coated Stainless Steel with Irregularly-polished Lines (ZDT-005)
- Handrails**  
Three-side Stainless Steel Round Handrails (ZYH-RH01)  
(Can provide none or select other models)
- Floor**  
Marble Floor (ZSC-015) (Can select other models)

Modern Simple



Note: If you have any other requirements for car configuration, please contact the Business Department of our company.



## Shuyue Cabinet / ZCD-024G LED

- Car Ceiling**  
ZCL-GN04
- Operation Panel**  
ZCBA11-T310  
(Hairline Panel) (Can select other models)
- Front Wall**  
Hairline Stainless Steel
- Side Walls**  
Metallic Paint (ZJS-011G)
- Back Wall**  
Two-side Mirror Stainless Steel  
Central Wiredrawing Stainless Steel with Irregularly-polished Lines (ZLF-001)
- Car Door**  
Hairline Stainless Steel
- Lintel**  
Hairline Stainless Steel
- Handrails**  
Two-side Stainless Steel Round Handrail (ZYH-RH01)  
(Can provide none or select other models)
- Floor**  
Marble Floor (ZSC-001) (Can select other models)



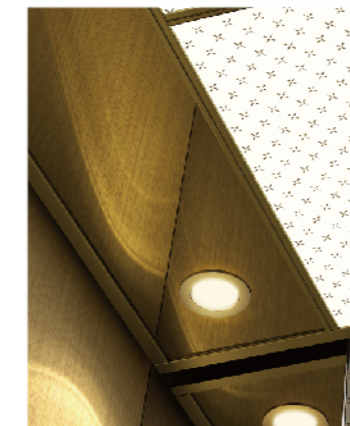
Modern Simple



## Qinfang House / ZCD-017X LED

- Car Ceiling**  
ZCL-GN05
- Operation Panel**  
ZCBA12-C510  
(Hairline Panel) (Can select other models)
- Front Wall**  
Hairline Stainless Steel
- Side Walls**  
Laminated Steel (ZYM-015)
- Back Wall**  
Two-side Mirror Stainless Steel  
Central Mirror Wiredrawing Stainless Steel (ZLS-001)
- Car Door**  
Hairline Stainless Steel
- Lintel**  
Hairline Stainless Steel
- Floor**  
Parquet Floor (ZPH-026) (Can select other models)

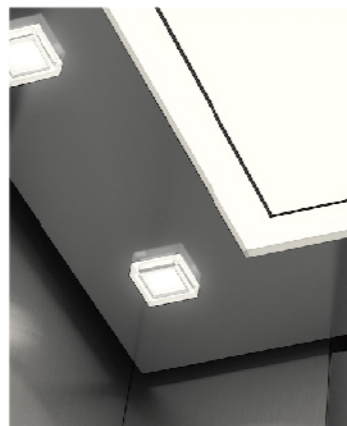
Natural and Elegant



Note: If you have any other requirements for car configuration, please contact the Business Department of our company.



Modern Simple

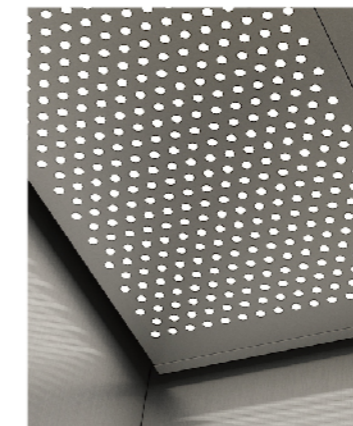


## Jintai Cabinet / ZCD-025G

- Car Ceiling**  
ZCL-GS06
- Operation Panel**  
ZCBA14-C510  
(Hairline Panel) (Can select other models)
- Wheel Chair Operation Panel**  
ZCBA04-F110 (Mirror Panel)
- Front Wall**  
Hairline Stainless Steel
- Side Walls and Back Wall**  
Two-side Hairline Stainless Steel  
Central Mirror Stainless Steel
- Car Door**  
Hairline Stainless Steel
- Lintel**  
Hairline Stainless Steel
- Handrails**  
Three-side Stainless Steel Round Handrails (ZYH-RH02)  
(Can provide none or select other models)
- Floor**  
Parquet Floor (ZPH-014) (Can select other models)



Modern Simple



## Yishu Cabinet / ZCD-022G

- Car Ceiling**  
ZCL-GN02
- Operation Panel**  
ZCBA11-C510  
(Hairline Panel) (Can select other models)
- Front Wall**  
Hairline Stainless Steel
- Side Walls**  
Hairline Stainless Steel
- Back Wall**  
Two-side Hairline Stainless Steel  
Central Mirror Etched Stainless Steel (ZHY-013)
- Car Door**  
Hairline Stainless Steel
- Lintel**  
Hairline Stainless Steel
- Handrails**  
Front Stainless Steel Round Handrail (ZYH-RH02)  
(Can provide none or select other models)
- Floor**  
Parquet Floor(ZPH-028) (Can select other models)



Note: If you have any other requirements for car configuration, please contact the Business Department of our company.

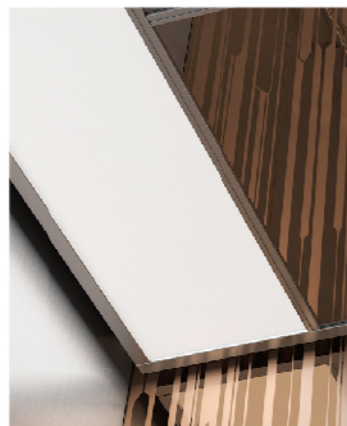


## Xingyu Court / ZCD-022T LED

- Car Ceiling**  
ZCL-GN03
- Operation Panel**  
ZCBA12-C210  
(Hairline Panel) (Can select other models)
- Front Wall**  
Hairline Stainless Steel
- Side Walls**  
Hairline Stainless Steel
- Back Wall**  
Mirror-blasted Titanium-coated Stainless Steel (ZPS-002+ZDT-001)
- Car Door**  
Hairline Stainless Steel
- Lintel**  
Hairline Stainless Steel
- Handrails**  
Two-side Stainless Steel Round Handrail (ZYH-RH02)  
(Can provide none or select other models)
- Floor**  
Parquet Floor (ZPH-031) (Can select other models)



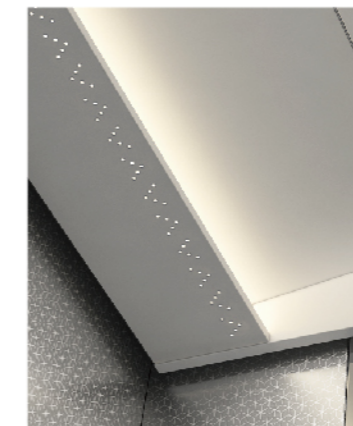
Modern Urban



## Yinlin Court / ZCD-023T LED

- Car Ceiling**  
ZCL-SS06
- Operation Panel**  
ZCBA11-C510  
(Hairline Panel) (Can select other models)
- Front Wall**  
Hairline Stainless Steel
- Side Walls**  
Hairline Etched Stainless Steel (ZHY-026)
- Back Wall**  
Two-side Hairline Etched Stainless Steel (ZHY-026)  
Central Mirror Stainless Steel
- Car Door**  
Hairline Stainless Steel
- Lintel**  
Hairline Stainless Steel
- Handrails**  
Two-side Stainless Steel Oblique Handrail (ZYH-SH01)  
(Can provide none or select other models)
- Floor**  
Parquet Floor (ZPH-027) (Can select other models)

Modern Luxury



Note: If you have any other requirements for car configuration, please contact the Business Department of our company.



## Jingyue Court / ZCD-020T

- Car Ceiling**  
ZCL-SS08 (Color code: Y033)
- Operation Panel**  
ZCBA11-C510 (Hairline Panel) (Can select other models)
- Wheel Chair Operation Panel**  
ZCBA04-F110 (Hairline Panel) (Can select other models)
- Front Wall**  
Hairline Stainless Steel
- Side Walls**  
Hairline Stainless Steel
- Back Wall**  
Two-side Hairline Stainless Steel  
Central Mirror Stainless Steel
- Car Door**  
Hairline Stainless Steel
- Lintel**  
Hairline Stainless Steel
- Handrails**  
Three-side Stainless Steel Round Handrails (ZYH-RH02)  
(Can provide none or select other models)
- Floor**  
Parquet Floor (ZPH-023) (Can select other models)



## Haoyue Court / ZCD-021T

- Car Ceiling**  
ZCL-SS07 (Color code: Y033)
- Operation Panel**  
ZCBA11-C510 (Hairline Stainless Steel) (Can select other models)
- Car Walls**  
Hairline Stainless Steel
- Car Door**  
Hairline Stainless Steel
- Lintel**  
Hairline Stainless Steel
- Mirror**  
Half-height Mirror
- Handrails**  
Two-side Stainless Steel Flat Handrail (ZYH-FH10)  
(Can provide none or select other models)
- Floor**  
PVC Stone Floor (ZPR-001) (Can select other models)



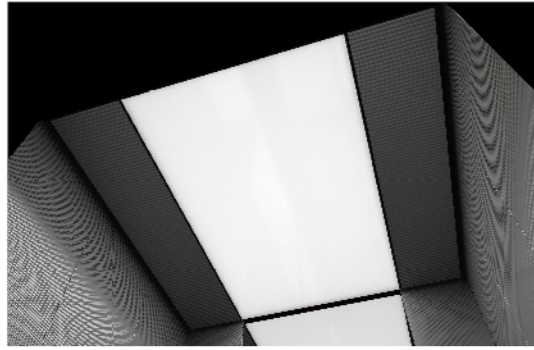
## Pinxuan Court / ZCD-019T

- Car Ceiling**  
ZCL-SN03 (Color code: Y033)
- Operation Panel**  
ZCBA09-C110 (Hairline Stainless Steel) (Can select other models)
- Front Wall**  
Hairline Stainless Steel
- Side Walls**  
Painted Steel Plate (Y023)
- Back Wall**  
Two-side Painted Steel Sheet (Y023), Central Mirror Stainless Steel
- Car Door**  
Hairline Stainless Steel
- Lintel**  
Hairline Stainless Steel
- Handrails**  
Front Stainless Steel Round Handrail (ZYH-RH02)  
(Can provide none or select other models)
- Floor**  
PVC Stone Floor (ZPR-012) (Can select other models)

Modern Simple

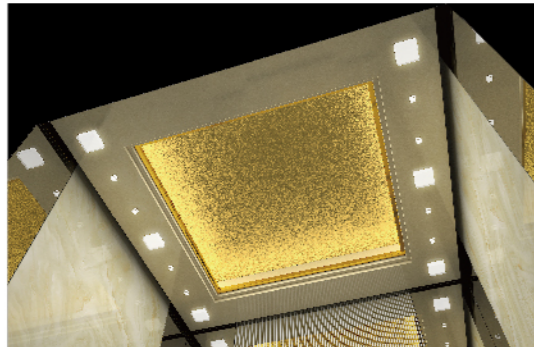


**ZCL-DS12** (Optional)



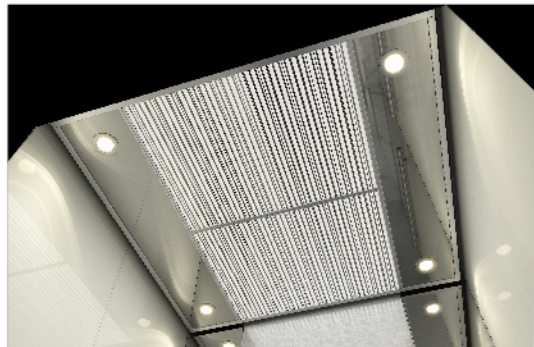
Lighting: central direct lighting;  
Material: central imported high-grade white translucent soft film, two-side hairline etched black-plated titanium stainless steel;  
Thickness: 200mm

**ZCL-GS16** (Optional)



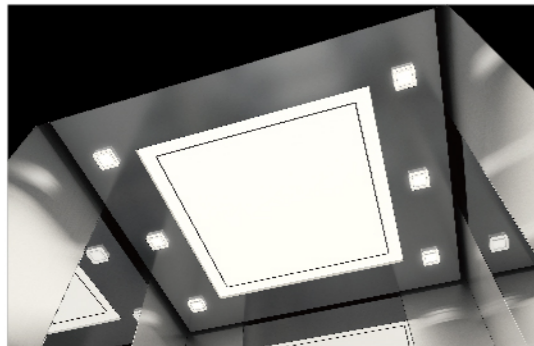
Lighting: central floodlight key lighting; two-side auxiliary lighting;  
Material: central floodlight gold foil, ambient Painted steel sheet (color code: Y033, if other colors are in need, select in accordance with the color panel palette of Shanghai Mitsubishi), two-side acrylic crystal hanging pieces;  
Thickness: 200mm

**ZCL-GN04** (Optional)



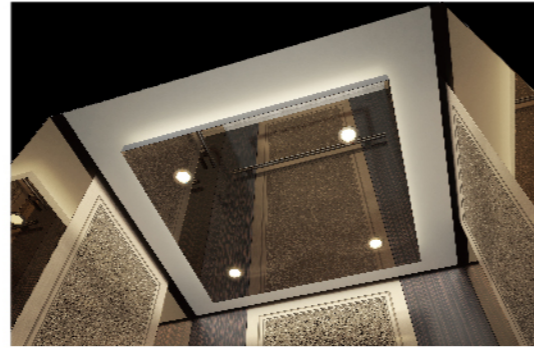
Lighting: central direct lighting; two-side down lamp lighting;  
Materials: central milk white printed acrylic lighting board, two-side mirror acrylic boards, aluminum alloy frame;  
Thickness: 200mm

**ZCL-GS06** (Optional)



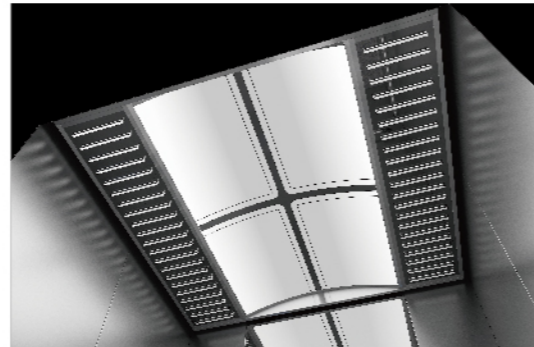
Lighting: central direct lighting; two-side auxiliary lighting;  
Material: central milk white printed acrylic lighting board, ambient metallic painting steel sheet, two-side acrylic crystal hanging pieces;  
Thickness: 200mm

**ZCL-GS08** (Optional)



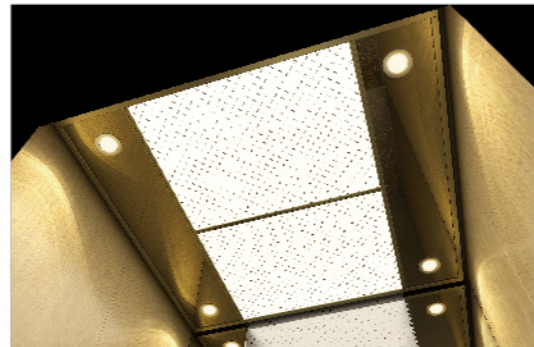
Lighting: ambient floodlight lighting, central down light direct lighting;  
Material: central mirror stainless steel, ambient Painted steel plate (color code: Y033);  
Thickness: 200mm

**ZCL-DS13** (Optional)



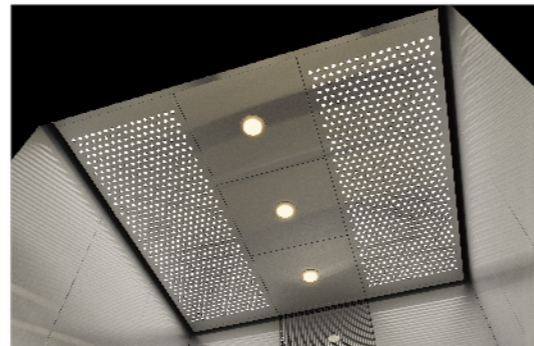
Lighting: central direct lighting; two-side auxiliary lighting;  
Material: arched milk white printed acrylic lighting boards, two-side acrylic crystal hanging pieces, stainless steel frame;  
Thickness: 200mm

**ZCL-GN05** (Optional)



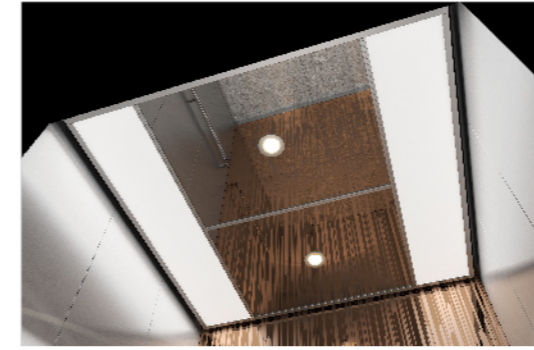
Lighting: central direct lighting; two-side down lamp lighting;  
Materials: central milk white printed acrylic lighting board, two-side golden mirror acrylic panel, aluminum alloy frame;  
Thickness: 200mm

**ZCL-GN02** (Optional)



Lighting: central down lamp lighting; two-side lighting board lighting;  
Material: Hairline stainless steel ceiling panels;  
Thickness: 200mm

**ZCL-GN03** (Optional)



Lighting: central down lamp lighting; two-side lighting board lighting;  
Materials: central mirror acrylic lighting board, two-side milk white acrylic lighting boards, aluminum alloy frame;  
Thickness: 200mm

**ZCL-SS08** (Optional)



Lighting: central direct lighting;  
Material: central milk white printed lighting board, two-side coating steel sheet (color code: Y033); if other colors are in need, select color in accordance with Shanghai color palette;  
Thickness: 200mm

**ZCL-SS07** (Optional)

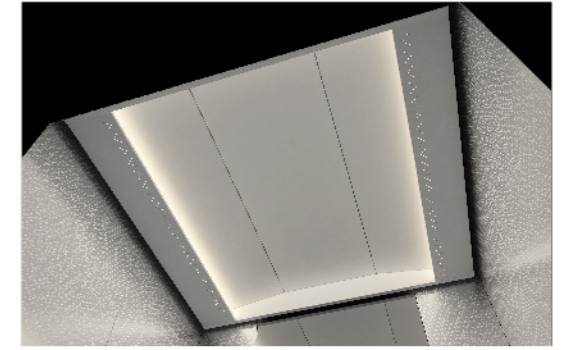


Lighting: down light direct lighting;  
Material: coating steel sheet ceiling (color code: Y033); if other colors are in need, select color in accordance with Shanghai color palette;  
Thickness: 100mm

**Note:**

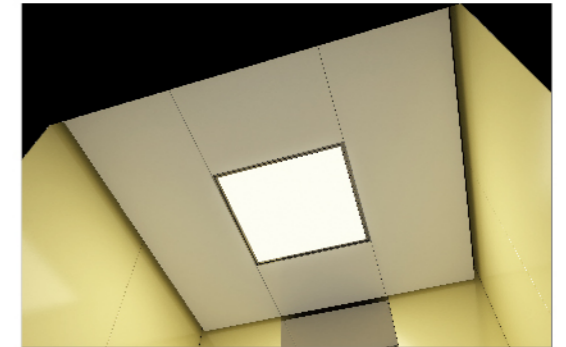
All car roofs adopt LED lighting.  
The ventilation outlet of car roof is arranged at the back of the two sides.  
Car roof may be compatible with deep cars and wide cars.  
Safety windows are optional for car roofs. Consult sales persons for details.

**ZCL-SS06** (Optional)



Lighting: two-side warm floodlight lighting;  
Material: Painted steel sheet ceiling plate (color code: Y033);  
Thickness: 200mm

**ZCL-SN03** (Optional)



Lighting: central direct lighting;  
Material: central milk white light guide plate, peripheral coating steel sheet ceiling (color code: Y033); if other colors are in need, select color in accordance with Shanghai color palette;  
Thickness: 100mm

**ZCL-CN01** (Empty Car Roof)

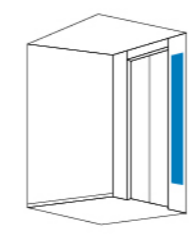
The decoration of the car roof is under the charge of the client (ceiling thickness 100mm).

**ZCL-CN08** (Empty Car Roof)

The decoration of the car roof is under the charge of the client (ceiling thickness 200mm).

# Car Operation Panel

## Front Wall Half Height Operation Panel



Amber LED, classic and durable.

Stainless Steel Panel

The buttons are exchangeable. The figure shown is A09 button.

ZCB-C110 (Primary)  
ZCB-C160 (Auxiliary)



5.7" Color segmented LCD, fine and vivid.

Stainless Steel Panel

The buttons are exchangeable. The figure shown is A11 button.

ZCB-C510 (Primary)  
ZCB-C560 (Auxiliary)



5.7" TFT LCD, fine and vivid.

Stainless Steel Panel

The buttons are exchangeable. The figure shown is A23 button.

ZCB-C210 (Primary)  
ZCB-C260 (Auxiliary)

**Note:**  
 \*1 Configurable when current wall width  $\geq 250$ .  
 \*2 The symbol ■ is the button model; please select button filling from Page 28; It is recommended to select A01~A06 buttons when the parking floors of current wall half-height control box exceed 28 floors.  
 \*3 Please refer to Page 31 for LCD.

# Human-machine Component Design



General

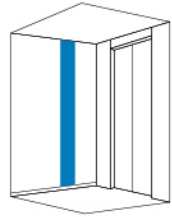
Design

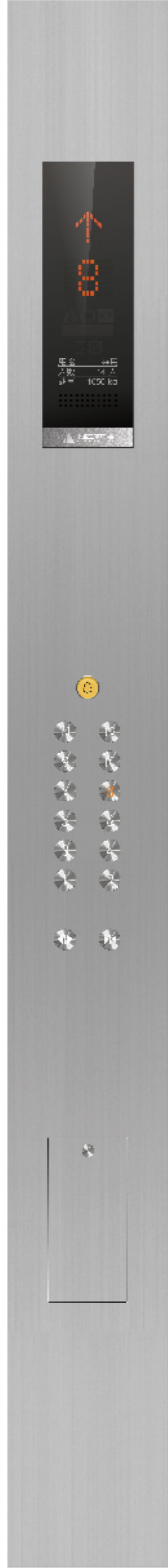
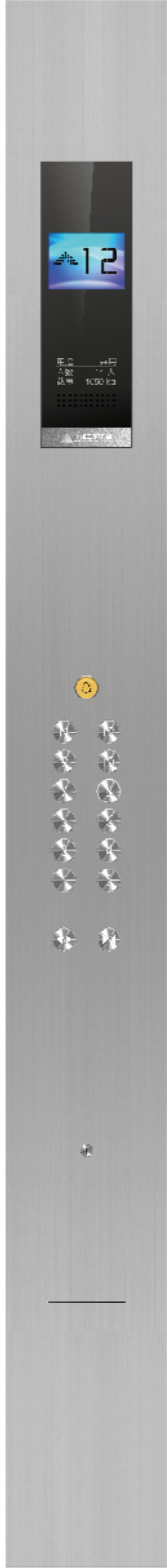

Functions

Civil

Specifications

## Side Wall Full-height Operation Panel

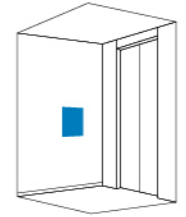


 <p><b>ZCB-R110 (Primary)</b> <b>ZCB-R160 (Auxiliary)</b></p>	<p>Amber LED, classic and durable.</p> <p>Stainless Steel Panel</p> <p>The buttons are exchangeable. The figure shown is A09 button.</p>	 <p><b>ZCB-R510 (Primary)</b> <b>ZCB-R560 (Auxiliary)</b></p>	<p>5.7" Color segmented LCD, fine and vivid.</p> <p>Stainless Steel Panel</p> <p>The buttons are exchangeable. The figure shown is A11 button.</p>	 <p><b>ZCB-R210 (Primary)</b> <b>ZCB-R260 (Auxiliary)</b></p>	<p>5.7" TFT LCD, fine and vivid.</p> <p>Stainless Steel Panel</p> <p>The buttons are exchangeable. The figure shown is A23 button.</p>
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## Side Wall Full-height Operation Panel Comply with GB/ T24477 Standard

 <p><b>ZCB-R130 (Primary)</b> <b>ZCB-R180 (Auxiliary)</b></p>	<p>Amber LED, classic and durable.</p> <p>Stainless Steel Panel</p> <p>The buttons are exchangeable. The figure shown is A04 button.*1</p>	 <p><b>ZCB-R530 (Primary)</b> <b>ZCB-R580 (Auxiliary)</b></p>	<p>5.7" Color segmented LCD, fine and vivid.</p> <p>Stainless Steel Panel</p> <p>The buttons are exchangeable. The figure shown is A04 button.*1</p>	 <p><b>ZCB-R230 (Primary)</b> <b>ZCB-R280 (Auxiliary)</b></p>	<p>5.7" TFT LCD, fine and vivid.</p> <p>Stainless Steel Panel</p> <p>The buttons are exchangeable. The figure shown is A04 button.*1</p>
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## Wheel Chair Operation Panel



 <p><b>ZCB-F110 (Primary)</b> <b>ZCB-F160 (Auxiliary)</b></p>	<p>5.7" TFT LCD, fine and vivid.</p> <p>Stainless Steel Panel</p> <p>The buttons are exchangeable. The figure shown is A04 button.*1</p>
 <p><b>ZCB-F130 (Primary)</b> <b>ZCB-F180 (Auxiliary)</b></p> <p>Comply with GB/ T24477 Standard</p>	<p>The buttons are exchangeable. The figure shown is A04 button.*1</p>

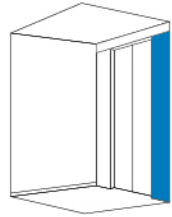
Note:

- \*1 Configurable when current wall width <250.
- \*2 The symbol ■ is the button model, please select button filling from Page 28.
- \*3 Please refer to Page 31 for LCD.

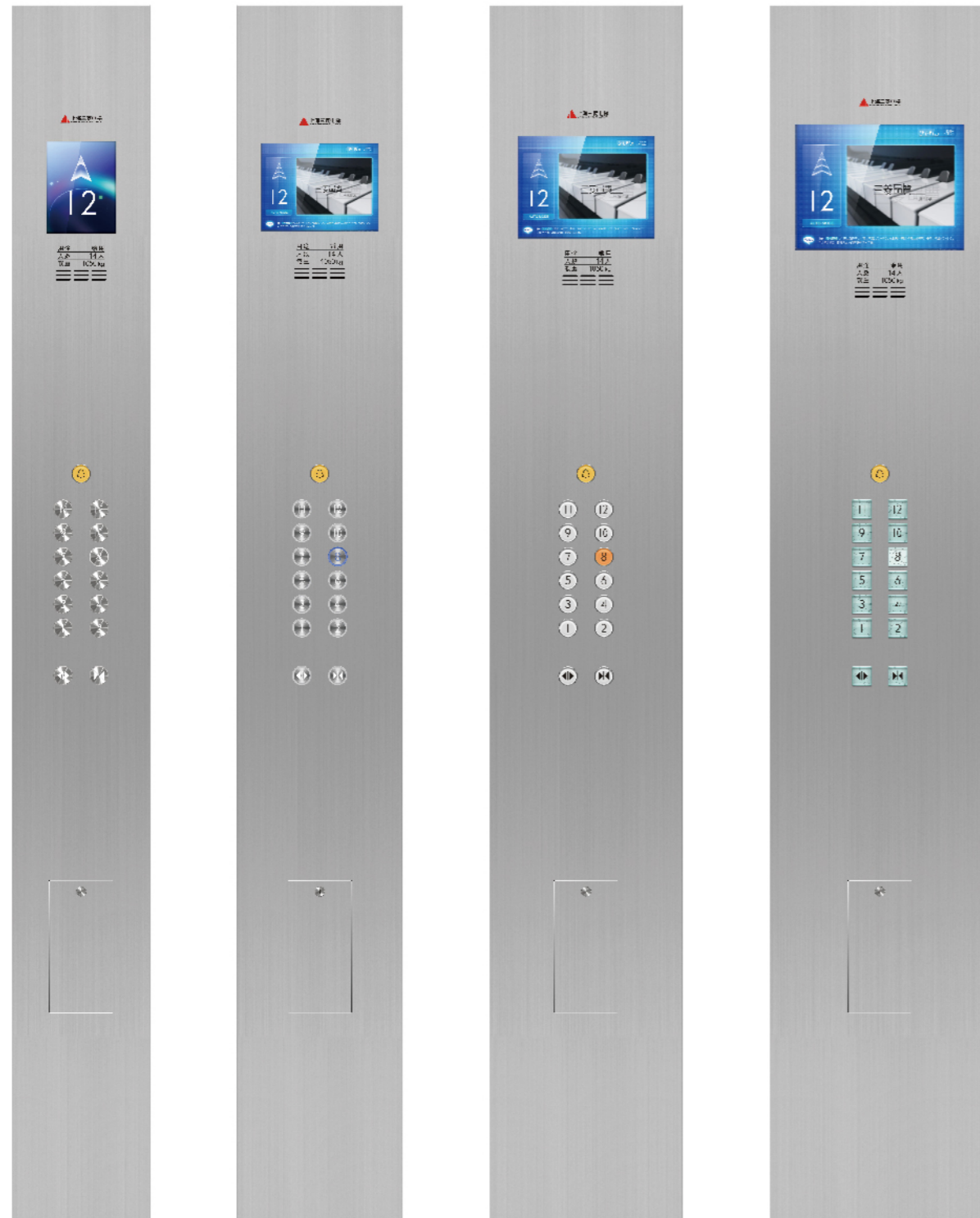
Note:

- \*1 Signal ■ is the button model. The optional buttons of the control box in this page are A04, A05, A06 (complying with GB/T24477 standard). See details in Page 28.
- \*2 Please refer to Page 31 for LCD.
- \*3 The difference of the appearance of ZCB-F130 and ZCB-F110: the button of the first floor is protruding and the frames of the two sides are black.

## Front-wall Integratedt Operation Panel



If integrated control box is selected, the thickness of the side wall decoration layer decorated secondarily by the client should be less than 15mm.



**ZCB-T310 (Primary)**  
**ZCB-T360 (Auxiliary)**  
(Front wall  $\geq 300$  is configurable)  
8.4" TFT LCD  
Stainless Steel Panel  
The figure shown is A11 button.

**ZCB-T710 (Primary)**  
**ZCB-T760 (Auxiliary)**  
(Front wall  $\geq 350$  is configurable)  
10.4" Multimedia LCD  
Stainless Steel Panel  
The figure shown is A23 button.

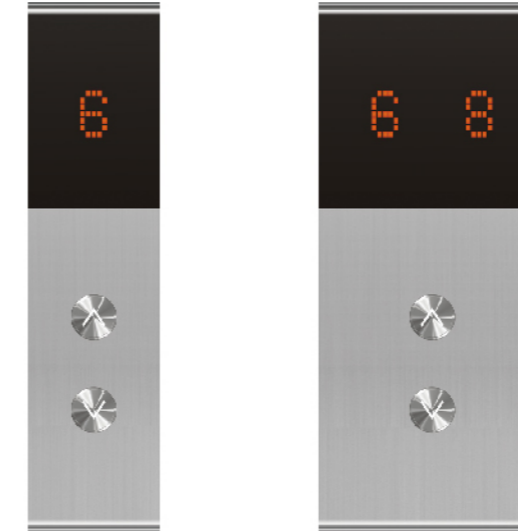
**ZCB-T410 (Primary)**  
**ZCB-T460 (Auxiliary)**  
(Front wall  $\geq 400$  is configurable)  
12.1" Multimedia LCD  
Stainless Steel Panel  
The figure shown is B02 button.

**ZCB-T810 (Primary)**  
**ZCB-T860 (Auxiliary)**  
(Front wall  $\geq 450$  is configurable)  
15.0" Multimedia LCD  
Stainless Steel Panel  
The figure shown is D01 button.

**Note:**  
\*1 The symbol ■ is the button model, please select button filling from Page 28.  
\*2 Please refer to Page 31 for LCD.

## Wall-mounted Landing Call

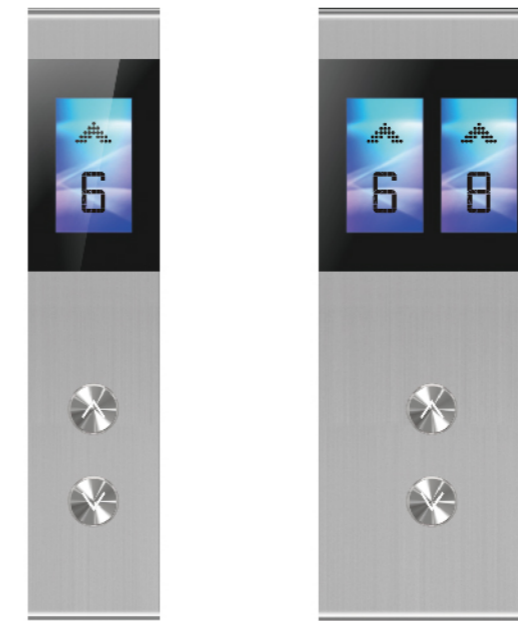
### LED Dot Matrix Display



**ZPI-G110**  
Stainless Steel Panel  
Without Bottom Box

**ZPI-G120**  
Stainless Steel Panel  
Without Bottom Box

### 4.3" Color Segmented LCD



**ZPI-GB10**  
Stainless Steel Panel  
Without Bottom Box

**ZPI-GB20**  
Stainless Steel Panel  
Without Bottom Box

### 4.3" TFT LCD



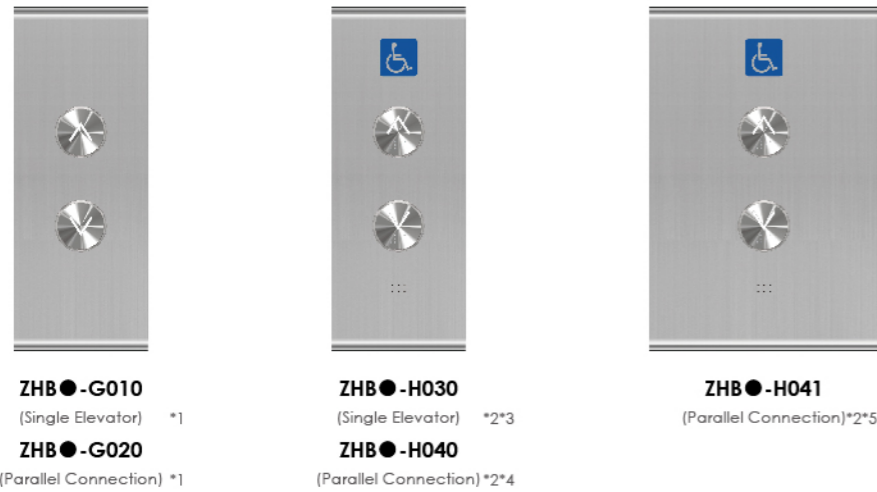
**ZPI-GA10**  
Stainless Steel Panel  
Without Bottom Box

**ZPI-GA20**  
Stainless Steel Panel  
Without Bottom Box

**Note:**  
\*1 The symbol ■ is the button model, please select button filling from Page 28.  
\*2 If bottom box is allocated, contact the sales persons for non-standard installation of bottom box. The landing indicators with and without bottom boxes should be consistent.

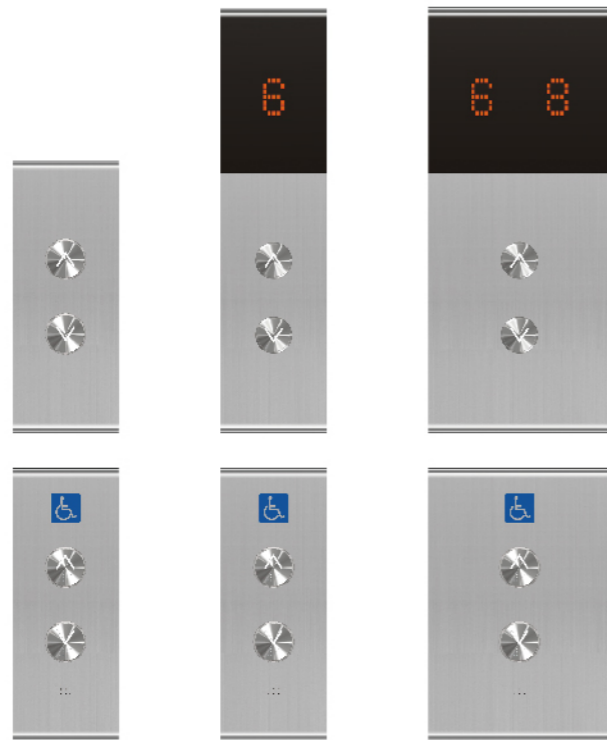
## Wall-mounted Landing Call (Without Bottom Box)

Accessible response, complying with GB/T24477 standard.



## Matching Diagram (Respond to the requirements of the handicapped.)

Single elevator and parallel connection calls should be corresponding one by one.



**Note:**  
 \*1 The symbol ● is the button model; please select button filling from Page 28;  
 \*2 The symbol ● is the button model. The optional buttons are A14, A15, A16 (complying with GB/T24477 standard). See details in Page 28.  
 \*3 Required to be used together with ZHB-G010 or ZPI-GX10  
 \*4 Required to be used together with ZHB-G020.  
 \*5 Required to be used together with ZPI-GX20.  
 \*6 If bottom box is needed, contact the sales person for non-standard installation of bottom box. The landing indicators with and without bottom boxes should be consistent.

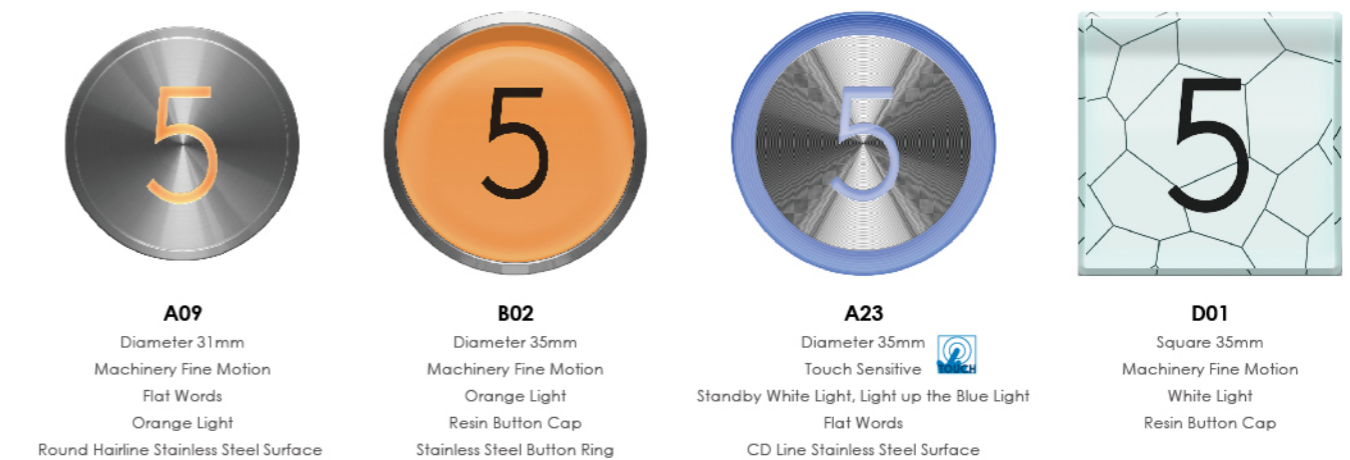
## Basic Buttons



## Diagram of the Button Effects



## Optional Button Styles



**Note:**  
 \* It is recommended to select A11~A16 buttons when the control box selects A01~A06 buttons.

## Hall Door and Jamb

### E-102

Narrow Door Jamb  
for wide car, deep car



Landing Display Call: ZPIA09-G110  
Landing Door Material: Painting Steel Sheet  
Jamb Material: Painting Steel Sheet

### E-302

Bevel (10°) Large Door Jamb  
for wide car, deep car



Landing Display Call: ZPIA11-GB10  
Landing Door Material: Hairline Stainless Steel  
Jamb Material: Hairline Stainless Steel

### E-312

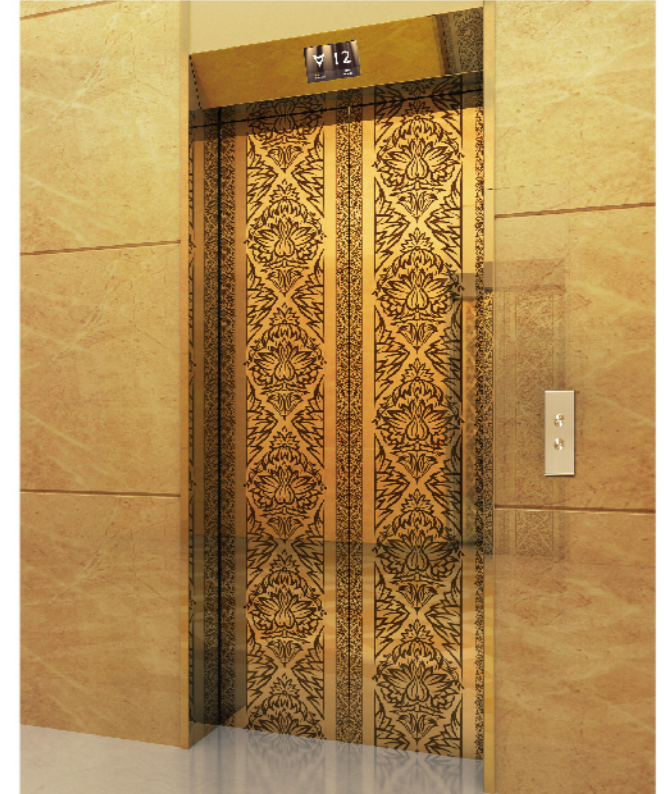
Curtain Plate Type Bevel (10°) Large Door Jamb  
only for wide car



Landing Direction Light: ZHLV-H010  
Landing Call: ZHBA11-G010  
Landing Door Material: Hairline Etched Stainless Steel (ZHY-006)  
Jamb Material: Hairline Stainless Steel

### E-322

Slant Curtain Plate Bevel (10°) Large Door Jamb  
only for wide car



Landing LCD: ZPIH-N301 (Elegant Brown)  
Landing Call: ZHBA11-G010  
Landing Door Material: Mirror Blasted Double-color Titanium-coated Stainless Steel (ZPF-001)  
Jamb Material: Mirror Titanium-coated Stainless Steel (ZDT-002)

## Landing Direction Light

Should be used together with the landing call button components referred by Page 27.



- ZHLV-H021**  
Hairline/Mirror Stainless Steel Panels  
Mist white acrylic of the lighting part
- ZHLV-H030**  
Without Panel  
Mist white acrylic of the lighting part  
Precise openings for wall decoration are in need.
- ZHLV-R061**  
Hairline/Mirror Stainless Steel Panels  
Mist white acrylic of the lighting part
- ZHLV-R070**  
Without Panel  
Mist white acrylic of the lighting part  
Precise openings for wall decoration are in need.
- ZHLV-R050**  
Without Panel  
Mist white acrylic of the lighting part  
Precise openings for wall decoration are in need.
- ZHLV-B031**  
Hairline/Mirror Stainless Steel Panels  
Transparent acrylic of the lighting part (engraved and blasted)
- ZHLV-B040**  
Wall type without Bottom Box  
Transparent acrylic of the lighting part (embedded with mist white indicating blocks)

\* The above landing direction lights are all LED lighting, which are energy saving and with prolonged service life. Each model of direction lights provides: white light, warm white light and blue light at your choice.

Diagram of the lighting color of each landing direction light



White Light Warm White Light Blue Light

## Landing Display

Should be used together with the landing call button components referred by Page 27.



**HID-A10**  
Embedded Large-scale Landing Displayer without Panel  
Applicable when the Jamb model is E-312.



**HID-A20**  
Embedded Large-scale Landing Displayer  
Applicable when the Jamb model is non-E-312 and non-E322.



**ZPIH-F301 \***  
Wall-mounted Landing Displayer  
Transparent acrylic frame  
Matt chrome-coated panel  
8.4" TFT LCD



**ZPIH-N301 \***  
Embedded Landing Displayer without Panel  
HD 8.4" TFT LCD  
Applicable when the Jamb model is E-322.

\* Please refer to Page 31 for LCD.

Color Segmented LCD

Patented LCD technology: innovative interface design, full view, high contrast ratio.

4.3" LCD (For Landing Displayer)



5.7" LCD (For Control Box)



TFT LCD

The new generation of LCD adopts the state-of-the-art hardware driving circuits and finer LCD screens. Adopt also the brand new interface design, endowing common LCD with new vitality, livelier, more vivid and cozier. The typical interface designs of the four styles may comply with the demands of various car decorations.

Horizontal elevator operating indication.  
(for control box 5.7" / for landing display 8.4")



Glaring Purple Standard



Eragrant Green Residence

Vertical elevator operating indication.  
(for landing display call 4.3" / for control box 8.4")



Glaring Purple Standard



Eragrant Green Residence



Elegant Brown Hotel



Gentle Blue Business Building



Elegant Brown Hotel



Gentle Blue Business Building

\* It is required to designate an interface when ordering the elevator.

Multimedia Information Display System (EMIDS)

Adopt stronger processing system and finer LCD. Develop several models of brand new designed interfaces on the basis of hardware update. Display multimedia information while realize elevator floor indication. Provide advertisement while bring more joyful elevator riding experience in the narrow elevator space.

10.4", 12.1", 15.0", real color 1024x768



Classic A



Classic B



Full Screen



Floor Forecast A



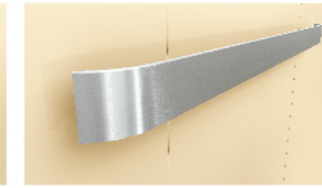
Floor Forecast B

\* The 5 interfaces are all included in the equipment. The interface may be changed on the spot by host computer.

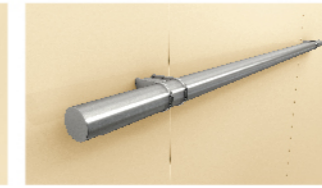
Handrail Type



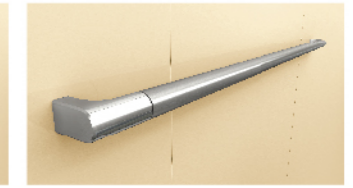
ZYH-SH01  
Stainless Steel Leaning Handrail



ZYH-FH10  
Stainless Steel Flat Handrail



ZYH-RH01  
Stainless Steel Round Handrail



ZYH-RH02  
Stainless Steel Round Handrail

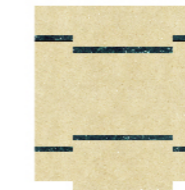
Floor Material

In order to correspond to different decoration demands, the 8 types of patterns may be corresponded by parquet marble floor or parquet PVC floor as well as single color PVC stone floor. The color code may be selected in accordance with the color palette of Shanghai Mitsubishi.

Block Marble Floor



ZSC-001



ZSC-002



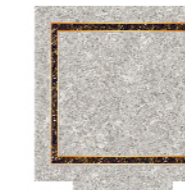
ZSC-011



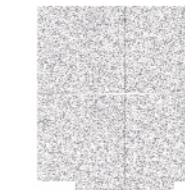
ZSC-012



ZSC-013



ZSC-014



ZSC-015

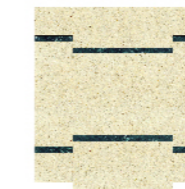


ZSC-016

Block PVC Floor



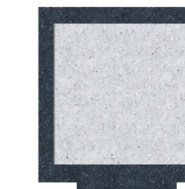
ZPH-027



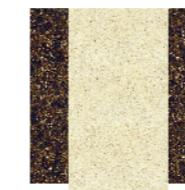
ZPH-030



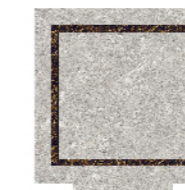
ZPH-028



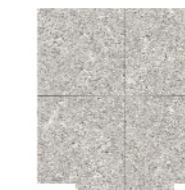
ZPH-023



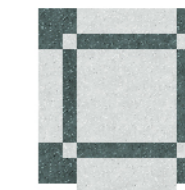
ZPH-026



ZPH-029



ZPH-031



ZPH-014

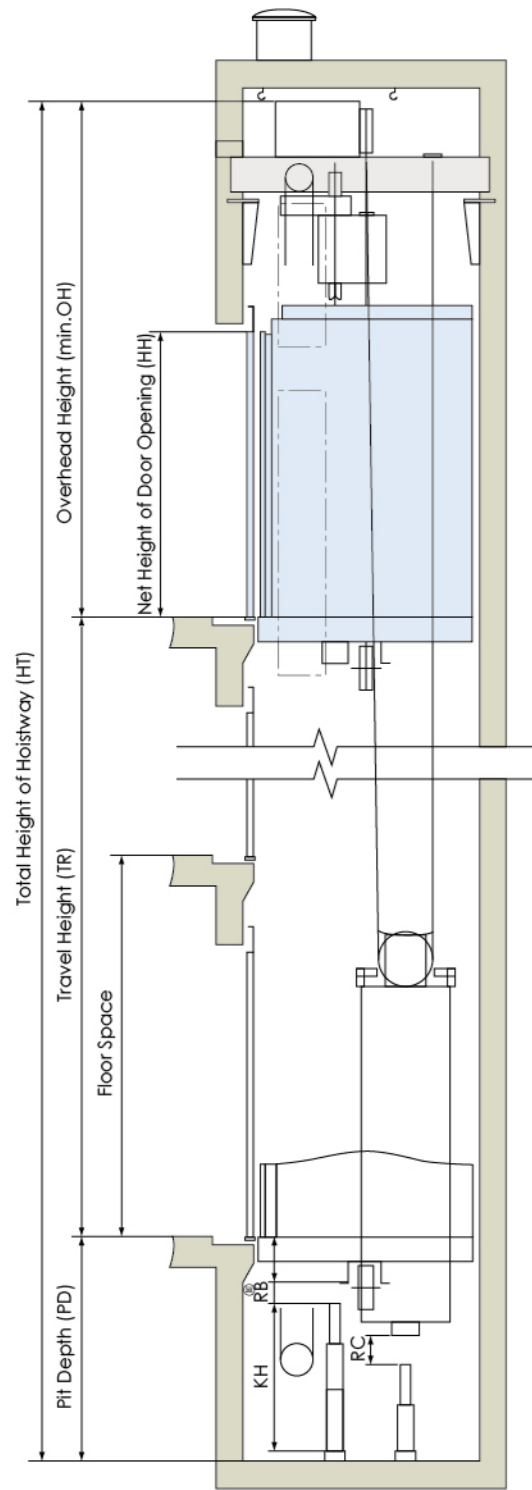
Project	Specifications	Notes
Car Wall and Car Door	Painted steel sheet, hairline stainless steel, hairline etched stainless steel, hairline titanium-coated stainless steel, hairline etched titanium-coated stainless steel, mirror stainless steel, mirror etched titanium-coated stainless steel, stainless steel with irregularly-polished lines, titanium-coated stainless steel with irregularly-polished lines, sand-pattern stainless steel, sand-pattern titanium-coated stainless steel, metallic painting steel sheet, laminated steel sheet, Film-mounting steel sheet	Applicable when the plan is self-decided.
Mirror	None, half-height, full height	When door opening is 1D1G. When the door opening is non-1D1G.
Handrail Type	None, front view, side view, three sides None, side view	When selecting self-selected plan for car decoration and the opening type is 1D1G. When selecting self-selected plan for car decoration and the opening type is non-1D1G.
Floor	PVC stone floor, Parquet floor Marble floor	
Landing Door	Painted steel sheet, hairline stainless steel, hairline etched stainless steel, hairline titanium-coated stainless steel, hairline etched titanium-coated stainless steel, mirror stainless steel, mirror etched titanium-coated stainless steel, stainless steel with irregularly-polished lines, titanium-coated stainless steel with irregularly-polished lines, sand-pattern stainless steel, sand-pattern titanium-coated stainless steel, metallic painting steel sheet, F-Design-II	
Jamb	Painted steel sheet, metallic painted steel sheet, hairline stainless steel, hairline titanium-coated stainless steel, mirror stainless steel, mirror titanium-coated stainless steel, stainless steel with irregularly-polished lines, titanium-coated stainless steel with irregularly-polished lines, sand-pattern stainless steel, sand-pattern titanium-coated stainless steel	Applicable when it is E312, E322 when they are middle opening doors; Applicable for E102 and E302.
	Painted steel, hairline stainless steel	Applicable for E312 and E322 when they are double-folding doors.

Feature	Description	Code	1C-2BC	2C-SM21	2-4C-ITS-21
<b>Control and Security Features</b>					
Automatic Landing with Rheostatic Leveling	When the car parks at a station, if the vertical difference between the upper plane of the car sill and that of the landing door sill exceeds predetermined value, the elevator will level automatically.	ARL	\$	\$	\$
Anti-stall Timer	When the traction rope slips or motor stall reaches predetermined time, the elevator will stop.	AST	\$	\$	\$
Energy Feedback	Feed energy generated during operation back to the grid to save energy.	EFDBK *1	\$	\$	\$
Hand Operation	Inspection operation mode for maintenance personnel.	HAND	\$	\$	\$
Load Weighing Start	The elevator adjusts startup torque according to the car load so as to allow smooth start.	LWS	\$	\$	\$
Power-on Releveling	If the car stops in the range of door area due to power failure, it will relevel to the leveling position after the power is recovered.	FORL	\$	\$	\$
Safe Landing	If a car has stopped between floors for some reason, the controller checks the cause, and if it is considered safe to move the car, the car will move to the nearest floor and doors will open.	SFL	\$	\$	\$
Stop Open	The car doors open automatically after the car stops at a floor.	SO	\$	\$	\$
Unintended Car Movement Protection	Elevator safety component to stop unintended car movement away from the landing with the landing door not in the locked position and the car door not in the closed position, as a result of any single failure of the lift machine or drive control system.	UCMP	\$	\$	\$
<b>Door Operating Features</b>					
Light Curtain Protection	Light curtain protection with multiple light beam.	AMS *2	\$	\$	\$
Door-Close Button Response Light	Door Close Response Light will be illuminated if door-close button is pressed.	DCR	\$	\$	\$
Double Door Operation	When car doors are in open state, if there is no car call and landing call in forward direction and the landing call in reverse direction of this floor has been registered, the car doors will close and then immediately open again.	DDOP	\$	\$	\$
Extended Door-open Button	Press and hold this button can extend door-open time.	DKO-TB	\$	\$	\$
Door Load Detect	If the car doors cannot fully open or close due to overload, the doors will act in reverse direction.	DLD	\$	\$	\$
Not Door Open Feature	If car doors are blocked while opening, they will close immediately.	DONG	\$	\$	\$
Automatic Door-open Time Adjustment	Automatically adjust door-open time according to landing calls or car calls.	DOT	\$	\$	\$
Expediting of Door Close	After the car has stopped at a station and the doors has opened, pressing Close button can make the doors to close immediately.	EDC	\$	\$	\$
Multi-beam Safety Edge	Safety edge with multi-beam. Provide double protection by multi-beam and safety edge. During door closing, when a passenger or object is detected, the doors will open again.	MBS *2	\$	\$	\$
Door Nudging Feature - with Buzzer	If the door-open time exceeds the predetermined value, it will give alarm sound to alert the passenger and try to close the doors.	NDG *3	\$	\$	\$
Door Nudging Feature without Buzzer	In case doors are being held open for an excessive time, the feature will be activated to neglect the non-contact type door sensor function and doors are forced to close.	KNDG	\$	\$	\$
Repeated Door-Close	If car doors are blocked while closing, the elevator will repeat the closing action until the debris is removed.	RDC	\$	\$	\$
Reopen with Hall Button	During door closing, when hall calling button in the same direction is pressed, the doors will reopen.	ROHB	\$	\$	\$
Safety Edge	During door closing, when the safety edge detects a passenger or object, the doors will reopen.	SDE *2	\$	\$	\$
<b>Emergency Operation Features</b>					
Emergency Car Lighting	Immediately provide car lighting when normal lighting power supply breaks.	ECL	\$	\$	\$
Earthquake Emergency Return (S-wave)	When S-wave earthquake detector acts, the car immediately parks at the nearest floor with door opened.	EER-S	\$	\$	\$
Power Failure Emergency Landing Device	When normal power supply breaks, this device will supply power to move the car to the nearest floor, level and open the doors, and allow the passengers to leave safely.	ELD *4	\$	\$	\$
Alarm Bell	Press this alarm bell in emergency. The bell and interphone will sound.	EMB	\$	\$	\$
Fire Emergency Return	When the Fire Emergency Return switch acts, all landing calls and car calls are cancelled, and the car immediately returns to predetermined floor and parks with door opened.	FER *5	\$	\$	\$
Operation by Emergency Power Source - Sole Automatic	When normal power supply breaks, the pre-assigned cars will be powered by the emergency power source of the building and automatically travel to the predetermined floors in order. Once all cars have arrived at the predetermined floors, the specified car can operate normally.	OEPS-SA *6	\$	\$	\$
Monitoring System	This system uses computer to monitor the elevator's operation and position state, and provide operation commands as necessary.	SMOS-II	\$	\$	\$
<b>Group Control Features</b>					
Bank Separation Operation	Separate landing buttons into several groups and provide independent group control, and each group has its own hall calling button.	BSO	\$	\$	\$
Down Peak Service	During the predetermined off-hour, elevators are continuously sent to the top floor to meet the needs of off-hour peak traffic congestion.	DPS	\$	\$	\$
Energy-saving Operation (Number of cars)	While considering passenger flow volume and meeting passengers' demand, when the elevators' service level has exceeded the specifications, the system will reduce number of cars put into service to save energy.	ESQ-N	\$	\$	\$
Special Floor Forced Stop	Cars passing a certain floor are forced to stop at this floor.	FFS	\$	\$	\$
Main Floor Parking	When there is no landing call or car call, the car returns to main floor and parks there.	MFP	\$	\$	\$
Strategic Overall Assignment	For group control elevators, the cars park dispersedly at the main station and middle floor.	OHS	\$	\$	\$
Peak Traffic Control	To alleviate temporary peak traffic, heavy traffic floors (top floor or main floor) will be given priority service.	PTC	\$	\$	\$
Main Floor Changeover Operation	Main floor can be changed by pressing the Changeover switch.	TFS	\$	\$	\$
Up Peak Service	During the predetermined work hours when the up traffic from the main floor is specially heavy, elevators are continuously sent to the main floor meet the needs of up peak traffic.	UPS	\$	\$	\$
VIP Service	A specified car can be withdrawn from group service for special VIP service	VIP-S *7	\$	\$	\$
<b>Operational and Service Features</b>					
Automatic Bypass	When the car load exceeds 80% (adjustable) rated capacity, the elevator does not respond hall calls from other floors along its travel.	ABP	\$	\$	\$
Attendant Service	Normal operation of the elevator is conducted by an attendant.	AS	\$	\$	\$
Car Call Cancelling	In automatic operation, when a car has responded to the final car call or landing call in one direction, the system automatically checks and clears remaining car calls from the memory.	CCC	\$	\$	\$
Car Fan Shut Off - Automatic	If there are no calls for a specified period, the car ventilation fan will automatically be turned off to conserve energy.	CFO-A	\$	\$	\$
Car Light Shut Off - Automatic	If there are no calls for a specified period, the car light will automatically be turned off to conserve energy.	CLO-A	\$	\$	\$
Continuity of Service	To ensure normal operation of elevators in a whole group, when a certain elevator cannot respond registered landing calls, it will be excluded from landing call service, and service is provided by other elevators.	COS	\$	\$	\$
Exit Switch	Switch for detecting state of exit.	EXIT SW	\$	\$	\$
False Call Cancelling - Automatic	If the number of registered calls is not agree with the number of passengers, it will cancel all calls to avoid unnecessary stops.	FCC-A *8	\$	\$	\$
False Call Cancelling - Manual (car button type)	If the wrong car button is pressed, it can be canceled by quickly pressing the same button again twice.	FCC-P *9	\$	\$	\$
Hall Call Base - Manual (hall button type)	If the wrong hall calling button is pressed, it can be canceled by quickly pressing the same button again twice.	FHC-P	\$	\$	\$
Hospital Emergency - Block Sign	By pressing the Door Open button and the DKO-TB button simultaneously, the elevator will respond only to the car call.	HEB	\$	\$	\$
Hall Out-of-service Operation	Turn on or shut off the elevator by operating the "RUN/STOP" switch installed on specified floor.	HOS	\$	\$	\$
Independent Service	Using the Independent switch in the operation panel, the car can respond only to car calls without interrupting service.	IND	\$	\$	\$
Non-service to Specific Floor (switch type)	Operating this switch can cancel service to specified floors.	NS *10	\$	\$	\$
Non-service to Specific Floor (car button type)	Cancel service to specific floor by operating buttons on the operation panel and the setting switch.	NS-CB	\$	\$	\$
Next Landing	After the car has arrived at the destination floor, if the car doors cannot open fully, it will close the doors and continue to run to the next floor until the doors can open fully and then restore normal operation.	NXL	\$	\$	\$
Overload Holding Stop	When the car is overloaded, the doors remain open and a buzzer sounds.	OLH	\$	\$	\$
Remote Control Stop	Start or stop the car through the remote control switch.	RCS *11	\$	\$	\$
Return Operation	Operating Return switch to immediate call the car back to specified floor and park there.	RET *11	\$	\$	\$

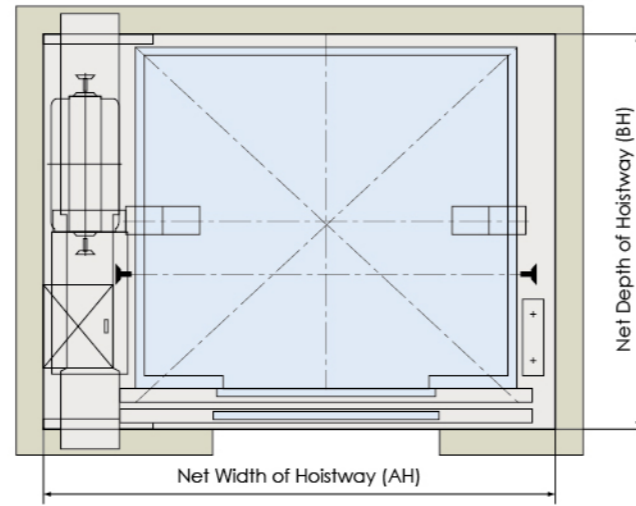
Feature	Description	Code	1C-2BC	2C-SM21	2-4C-ITS-21
<b>Operational and Service Features</b>					
Secret Call Service (car button type)	Lock certain floors on the operation panel by setting password. The buttons of these specified floors can only be registered after the password is entered on the operation panel.	SCS-B *12	\$	\$	\$
Secret Call Service (IC card type)	The buttons of certain specified floors can only be registered via IC card.	SCS-IC *12	\$	\$	\$
<b>Information and Display Features</b>					
Voice Announce Device	Voice announce device (Chinese) informs the passengers of related elevator information.	AAN-S01*14	\$	\$	\$
Voice Announce Device	Voice announce device (Chinese and English in turn) informs the passengers of related elevator information.	AAN-S02*14	\$	\$	\$
Voice Announce Device	Voice announce device (English) informs the passengers of related elevator information.	AAN-S03*14	\$	\$	\$
Car Arrival Chime (Car)	The chime prompts the passengers the car has arrived at the destination floor. (The chime is installed on the car roof and floor)	AECC	\$	\$	\$
Automatic Operation Signal Light (Hall)	The landing indicator displays the elevator is in automatic operation state.	AULT *15	\$	\$	\$
Signal Interface Device	Outputs basic operation state signal of the elevator via this device	BA *16	\$	\$	\$
Bypass Signal Light (Hall)	The landing indicator displays the elevator is in "Bypass operation" state.	BPL *15	\$	\$	\$
Direction Arrows in Car	Indicates running direction with arrows in the car.	DAC	\$	\$	\$
Direction Arrows on Hall	Indicates running direction with arrows on the hall.	DAH	\$	\$	\$
Door-Open Button Response Light	The Door-Open button light illuminates at the same time when this button is pressed.	DOL	\$	\$	\$
Elevator Running Count and Time accounting	Accounting elevator running count and time.	ECT	\$	\$	\$
Exclusive Service Indication	Display that the elevator is in exclusive service state.	EXCL *15	\$	\$	\$
Fire Emergency Return - Completed	A CP signal is outputted after the FER running is completed.	FER-CP*17	\$	\$	\$
Flashing Hall Lantern	Flashing lantern indicates arrival of car and its running direction.	FHL	\$	\$	\$
Group Control Error	In case of elevator control system abnormality, an error signal is output.	GCERR	\$	\$	\$
Hand Operation Signal Light	Hand Operation Signal Light indicates the car is operating under inspection operation.	HANDL	\$	\$	\$
Interphone	In emergency, persons in car, on car top, or in pit can use this device to communicate with persons in machine room or monitoring room.	ITP *18	\$	\$	\$
ITV cable (analog)	The cable used for video camera (analog) installed in the car for user to monitor the real image in the supervisory room.	ITV-A *19	\$	\$	\$
ITV cable (digital)	The cable used for video camera (digital) installed in the car for user to monitor the real image in the supervisory room.	ITV-D *19	\$	\$	\$
ITV cable (for SMOS)	The cable used for video camera equipped with SMOS system.	ITV-S *19	\$	\$	\$
Operation by Emergency Power Source - Completed	A CP signal is outputted after the operation by emergency power source is completed.	OEPS-CP*20	\$	\$	\$
Overload Indication in Car	When the elevator is overloaded, the overload indicator lamp illuminates.	OLHL	\$	\$	\$
Out-of-Service Indication	Indicate the elevator is out of service on the hall.	RESL *15	\$	\$	\$

Remarks:

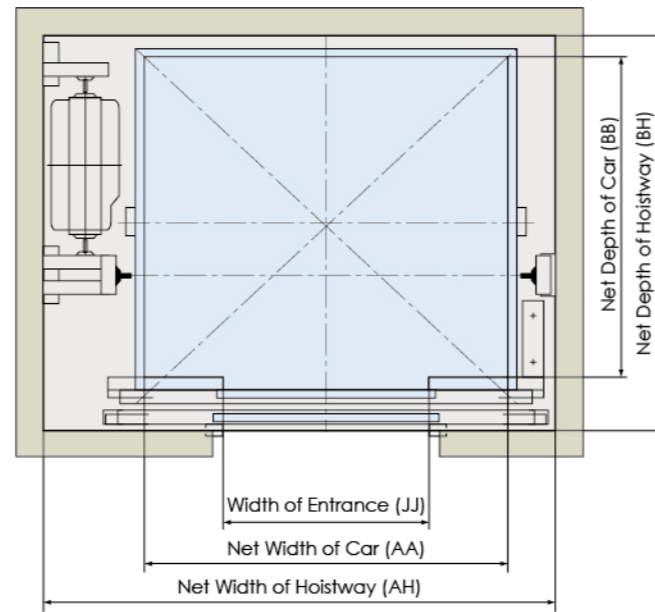
- \*1 Be standard when load capacity is above 1800kg.
- \*2 SDE, MBS or AMS must be selected.
- \*3 Be optional when AAN.
- \*4 Be optional when the interval is less than 10m.
- \*5 It should be considered that the elevator can return from the top floor to the evacuation floor within 60 seconds.
- \*6 Customer shall provide normal opened dry contact signal of power supply to control panel in machine room.
- \*7 Non-standard, When the operation mode is ITS-21 and the door open type is not 2D2G to be applied.
- \*8 When the number of stop is ≥6 and the SCS-IC is not configured to be applied.
- \*9 SCS-IC is not configured to be applied.
- \*10 Non-standard, 2 or less than 2 can be selected.
- \*11 Either RCS or RET can be selected.
- \*12 Not applicable to 2D2G.
- \*13 Non-standard
- \*14 Either AAN-S01, AAN-S02 or AAN-S03 can be selected.
- \*15 2 or less than 2 of the functions of AULT, BPL and RESL can be selected.
- \*16 The output signals are up stroke, down stroke, comprehensive trouble, landing encoding signal; the output terminals are seated in the control cabinet of the machine room. No RS232/RS485 output.
- \*17 Standard feature when FER is configured, output from control panel.
- \*18 The cable from machine room to monitoring room and its installation should be handled by customer.
- \*19 Either ITV-A, ITV-D or ITV-S can be selected but cannot be selected together.
- \*20 Optional when OEPS-SA.
- \*24 Standard Optional



Top Terminal Landing Layout Plan



Hoistway Layout Plan



Item	P-04	P-06	P-07	P-08	P-10	P14W	P14D	P17W	P17D	P-21W	P-21D	P24W	P24D	P-26	P-30	P-33	备注
Capacity (kg)	320	450	550	630	800	1050	1050	1275	1275	1600	1600	1800	1800	2000	2250	2500	
Inner Width of Car AA(mm)	850	1000	1100	1100	1350	1600	1100	2000	1200	2100	1400	1800	1500	2000	2100	2100	
Inner Depth of Car BB(mm)	1100	1200	1200	1400	1400	1400	2100	1400	2300	1600	2400	2100	2500	2100	2100	2300	
Door Open Width JJ(mm)	800	800	800	800	800	900	900	1100	1000	1100	1100	1200	1200	1200	1200	1200	
Door Open Height HH(mm)	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	
Top Landing Height OH(mm)	≥3800	≥3800	≥3800	≥3800													*1
	≥3700	≥3700	≥3700	≥3700	≥3700	≥3700	≥3700										*2
				≥3850	≥3850	≥3850	≥3850										*3
				≥3900	≥3900	≥3900	≥3900										*4
	≥3900	≥3900	≥3900	≥3900													*5
	≥3800	≥3800	≥3800	≥3800	≥3800	≥3800	≥3800	≥4150	≥4150	≥4150	≥4150	≥4250	≥4250	≥4250	≥4250	≥4250	*6
				≥3950	≥3950	≥3950	≥3950										*7
				≥4000	≥4000	≥4000	≥4000	≥4400	≥4400	≥4400	≥4400	≥4500	≥4500	≥4500	≥4500	≥4500	*8
	≥4000	≥4000	≥4000	≥4000													*9
	≥3900	≥3900	≥3900	≥3900	≥3900	≥3900	≥3900										*10
				≥4050	≥4050	≥4050	≥4050										*11
				≥4100	≥4100	≥4100	≥4100										*12
Pit Depth PD(mm)	≥1350	≥1350	≥1350	≥1350													*13
	≥1300	≥1300	≥1300	≥1300	≥1300	≥1300	≥1300	≥1610	≥1610	≥1610	≥1610	≥1670	≥1670	≥1670	≥1670	≥1670	*14
				≥1400	≥1400	≥1400	≥1400										*15
				≥1450	≥1450	≥1450	≥1450	≥1750	≥1750	≥1750	≥1750	≥1810	≥1810	≥1810	≥1810	≥1810	*16
Inner Width of Hoistway AH(mm)	≥1500	≥1810	≥1910	≥1860	≥1985	≥2230	≥1960	≥2850	≥2300	≥2950	≥2500	≥2850	≥2700	≥2950	≥3050	≥3050	
Inner Depth of Hoistway BH(mm)	≥1480	≥1520	≥1520	≥1720	≥1720	≥1720	≥2420	≥1830	≥2690	≥2030	≥2790	≥2475	≥2875	≥2475	≥2475	≥2675	

Remark

- \*1 When car clear height is 2200 (See instruction 7) and rated speed is 0.63m/s
- \*2 When car clear height is 2200 (See instruction 7) and rated speed is 1m/s
- \*3 When car clear height is 2200 (See instruction 7) and rated speed is 1.6m/s
- \*4 When car clear height is 2200 (See instruction 7) and rated speed is 1.75m/s
- \*5 When car clear height is 2300 (See instruction 7) and rated speed is 0.63m/s
- \*6 When car clear height is 2300 (See instruction 7) and rated speed is 1m/s
- \*7 When car clear height is 2300 (See instruction 7) and rated speed is 1.6m/s
- \*8 When car clear height is 2300 (See instruction 7) and rated speed is 1.75m/s
- \*9 When car clear height is 2400 (See instruction 7) and rated speed is 0.63m/s
- \*10 When car clear height is 2400 (See instruction 7) and rated speed is 1m/s
- \*11 When car clear height is 2400 (See instruction 7) and rated speed is 1.6m/s
- \*12 When car clear height is 2400 (See instruction 7) and rated speed is 1.75m/s
- \*13 When rated speed is 0.63m/s
- \*14 When rated speed is 1m/s
- \*15 When rated speed is 1.6m/s
- \*16 When rated speed is 1.75m/s

Instructions:

1. Please contact Shanghai Mitsubishi Elevator Company (SMEC) for the detailed civil construction requirements.
2. When the adjacent landing distance is over 11m, the client shall set the safety door.
3. If the specification is out from scope of the above, please contact non-standard design department of SMEC.
4. Multimedia LCD system is available as non-standard.
5. The Overhead for corresponding car clear height in civil construction drawing is based on the 100mm ceiling thickness, i.e. ZCL-CN06 is selected as suspended ceiling (suspended ceiling thickness is 200mm), non-standard design is required.
6. When the door open type is 1D2G or 2D2G, two pieces of car operation panels will be set at both openings as default. Only the main car operation panel model needs to be confirmed in the technical specification of the contract.
7. If self-selective design for the car is selected, the default material and color of the entrance upper panel is the same as that of the front wall. If integrated design is chosen, the default material and color of the entrance upper panel is as the catalogue. If there is any change, non-standard design is required.
8. Only one type among the landing lantern, landing indicator and large landing indicator can be chosen. Otherwise non-standard design is required.

Item	Specifications				Remark
Speed (m/s)	0.63	1.0	1.6	1.75	
Capacity (kg)	320	320			
	450	450			
	550	550			
	630	630	630	630	
		800	800	800	
		1050	1050	1050	
		1275		1275	
		1600		1600	
		1800		1800	
Enhance the Height of TR (m)	2.6-12	2.6-12			When capacity is < 630kg.
	2.6-12	2.6-55	5.5-80	6.4-80	When capacity is 630kg.
		2.6-55	5.5-80	6.4-80	When capacity is > 630kg.
The Number of Stops (stations)	2-5	2-5			When capacity is < 630kg.
	2-5	2-18	2-28	2-28	When capacity is 630kg.
		2-18	2-28	2-28	When capacity is > 630kg.
Operation Mode	1C~2BC, 2C~SM21				When capacity is 320, 450kg.
	1C~2BC, 2C~SM21, 2C~ITS-21, 3C~ITS-21, 4C~ITS-21				When capacity is > 450kg.
Control Mode	VFG-L				
CWT Position	Side Mounted				
CWT Safety Gear	Not Configured				
Door Opening Type	1D1G				
Door Opening Mode	Center Open Mode				When capacity is 320kg.
	Two Panel Folding Mode				When capacity is > 320kg.
Door Opening Bearing	Left Opening, Right Opening				For two panel type.
Support Method of Traction Machine	Guiderail Support				Guiderail support for rated capacity of 320, 450, 1275, 1600kg.
	Hoistway wall support, Guiderail support				Hoistway wall support as default for rated capacity of 550-1050kg.
	Hoistway Support				Hoistway support for rated capacity of 1800-2500kg.
Dynamic Power	380V 50Hz 3-phase 5-wire				
Lighting Power	220V50Hz single phase				
Specification Code	P-04				When capacity is 320kg.
	P-06				When capacity is 450kg.
	P-07				When capacity is 550kg.
	P-08				When capacity is 630kg.
	P-10				When capacity is 800kg.
	P14W, P14D				When capacity is 1050kg.
	P17W, P17D				When capacity is 1275kg.
	P21W, P21D				When capacity is 1600kg.
	P24W, P24D				When capacity is 1800kg.
	P-26				When capacity is 2000kg.
	P-30				When capacity is 2250kg.
	P-33				When capacity is 2500kg.
	Car Finishing Design	Self-selective Design			
Integrated Design				For specification codes P-04, P-06, P-07, P-08, P-10, P14.	
Car Integrated Design Code	ZCD-003G, ZCD-005T				In the case where integrative plan is selected for car decoration. For specification codes P04, P06.
	ZCD-003G, ZCD-005T, ZCD-003X				In the case where integrative plan is selected for car decoration. For specification codes P07, P08, P-10, P14W.
	ZCD-004G				Can be selected as nonstandard in the case where integrative plan is selected for car decoration. For specification codes P06, P07, P08, P-10, P14W.
Nosing	Buyer should supply the concrete nosing if it is selected. Seller will supply the steel nosing if it is selected.				
Minimum Landing Height (mm)	2800				In the case where the nosing is concrete and provided by the customer.
	2600				In the case where the nosing is steel and provided by the Seller.
Display Range of Landing	B1, B2, B3, B, G, M, -1, -2, -3, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48				

## Sense of Secure and Peace to Create Harmonious Space of Life



If any suggestions on sales, installation, maintenance services consultation and complaints, please call 24-hour service hotline: **4008203030**

**Lift energy efficiency certificate according to VDI 4707 Part 1**

Manufacturer:	Shanghai Metro Elevator Co., Ltd.	Energy efficiency class:	<b>A</b>
Location:	No. 111 Jiangnan Road, Minhang Development Zone, Shanghai 200245, P.R. China		
Lift model:	LEHY MRL		
Lift type:	Passenger Lift		
Rated load:	2500kg		
Rated speed:	1.75 m/s		
Operating days per year:	365		
Standby demand:	100 W	Specific travel demand:	0.351 m³/min
Energy demand class:	D	Energy demand class:	B

Usage category is according to VDI 4707. Comparisons of energy efficiency classes are possible under usual usage only.

Label No: 102-2516

Valid until: 01.12.2016