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

LEHY-MRL-II

Machine-Room-Less Passenger Elevator

LEHY-MRL-II

Innovative LEHY Advanced Technology

Maintain Superiority and Nobility

LEHY Machine-Room-Less Elevators (LEHY-MRL-II) are a new generation of standard machine-room-less elevators developed by Shanghai Mitsubishi in response to market demands. With higher technology content and decoration quality, LEHY-MRL-II elevators maintain the superior quality of Shanghai Mitsubishi and the nobility of LEHY-MRL elevators.

Leading Technologies Ensuring Safety and Reliability

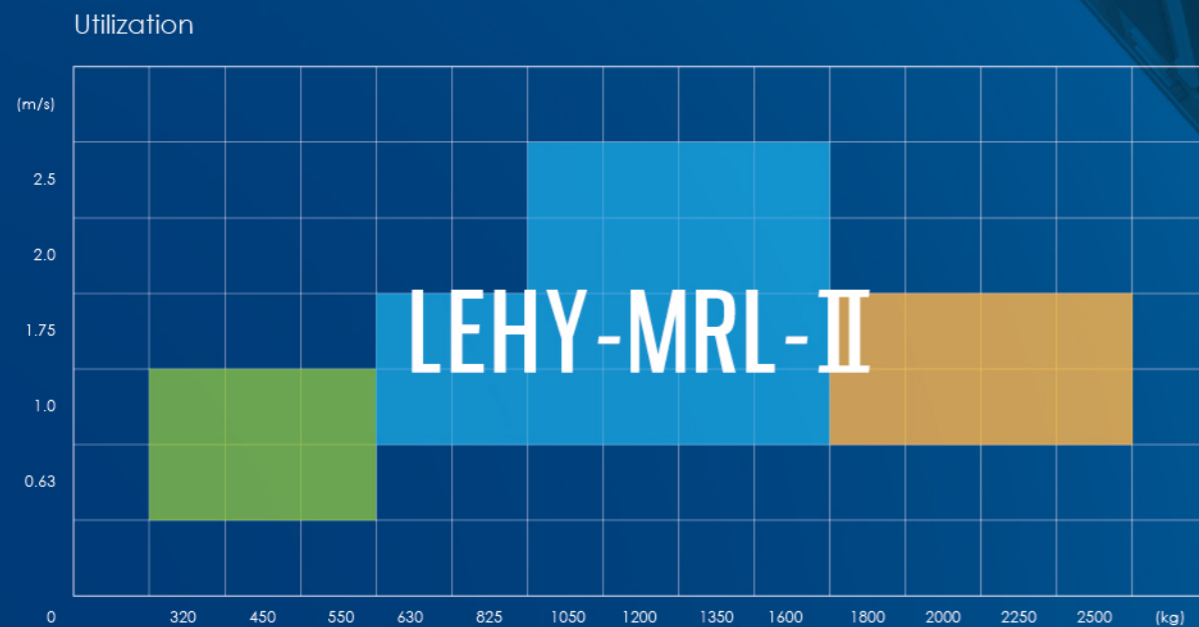
The new-generation of LEHY-MRL-II Elevators is designed based on high standards. By applying sophisticated technology, such as configuring functions of auto braking torque detection and brake noise reduction, the elevators provide a safer ride environment to passengers. In addition, the novel layout also provides a safer maintenance space for maintenance persons. Besides the basic functions, LEHY-MRL-II elevators have car models suitable for the disabled and to carry stretchers, thus fully meeting the requirements of elevators for various applications.

Machine-Room-Less System Saving Space and Making Layout More Flexible

LEHY-MRL-II Elevators use brand new load free-standing structure to realize machine-room-less layout of elevators, thus improving the utilization of the building space and making the space layout more flexible. Saving more space reduces costs for the customer and the impact on the building appearance, providing more choice to the user and making the design for the building freer.

“Green” and “Design” Concept

LEHY-MRL-II Elevators fully incorporates the “Green” and “Design” concept of Shanghai Mitsubishi elevators by applying multiple energy-saving technologies (e.g. PM traction technology, LED lighting technology and energy feedback technology). With a new decoration system, the elevators have better quality and provide passengers with more comfortable ride experience.



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Slim PM traction machine

Low noise and less space

Slim control panel

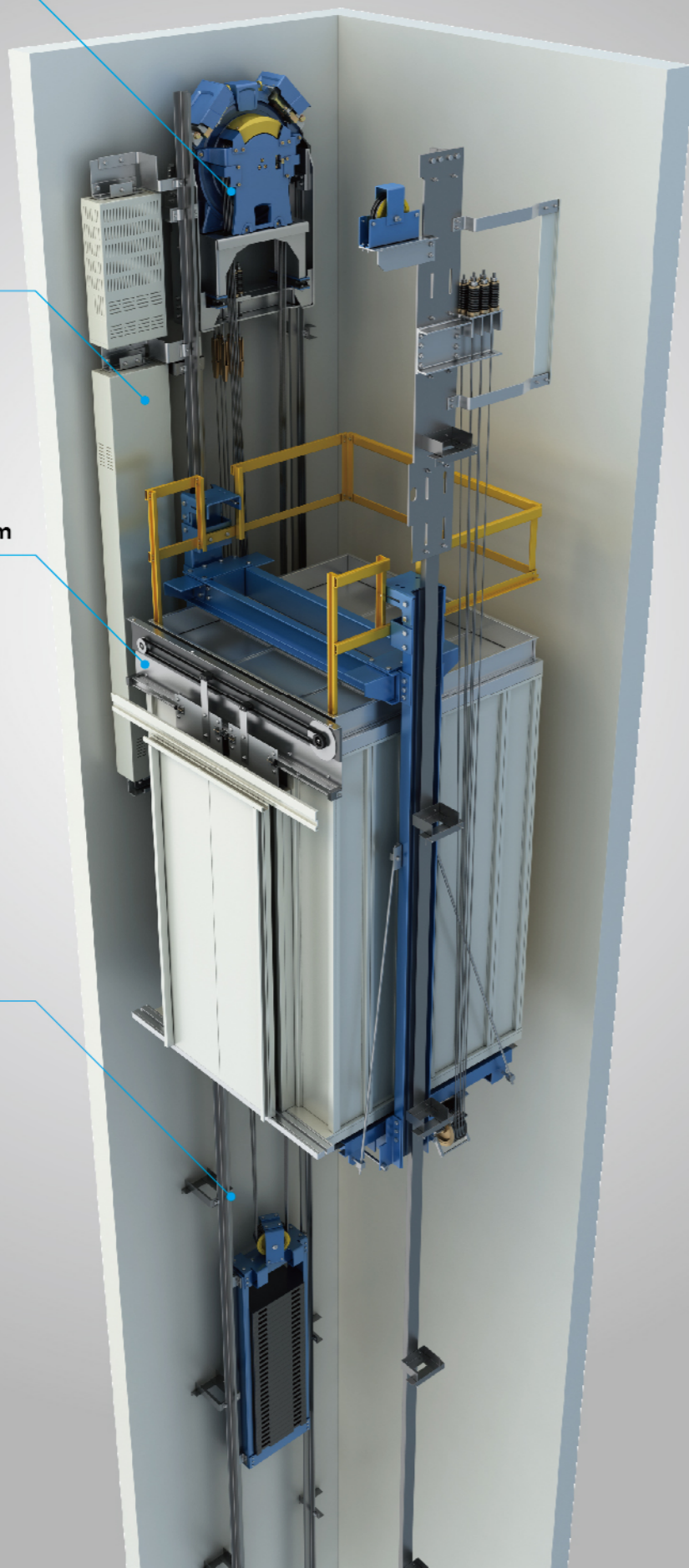
High performance and less space

Slim PM door operator system

Compact, quiet and reliable

Unique hoistway layout

Reduce noise and vibration



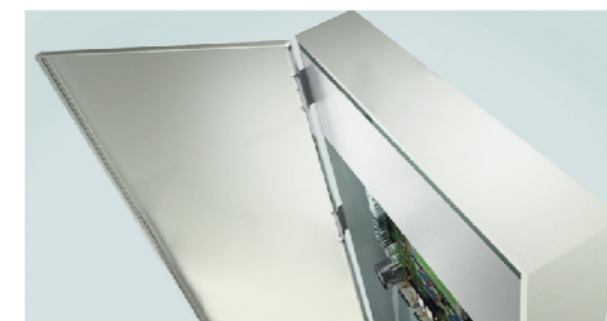
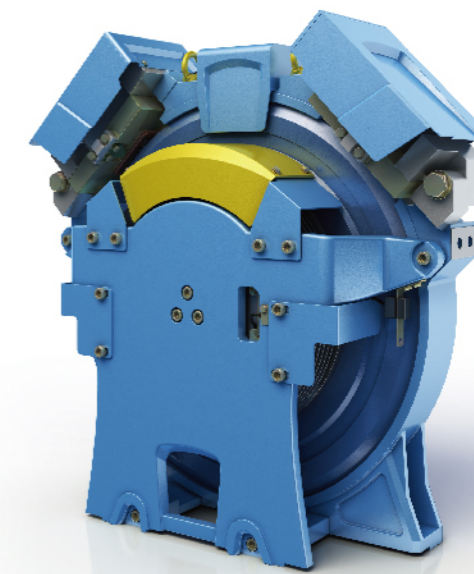
1. Slim Design

Superior PM Traction Machine

LEHY-MRL-II Elevators use Shanghai Mitsubishi's latest technology, that is, disc PM synchronous gearless traction machine, which is customized for machine-room-less system and has external brake structure. The traction machine is featured by slimness, less energy consumption, simple structure and easy maintenance while maintaining the high quality and high performance of the original PM traction machine. With the use of advanced current control technology, the brake produces lower noise during braking, creating a quieter dwelling environment for residents at top floors.

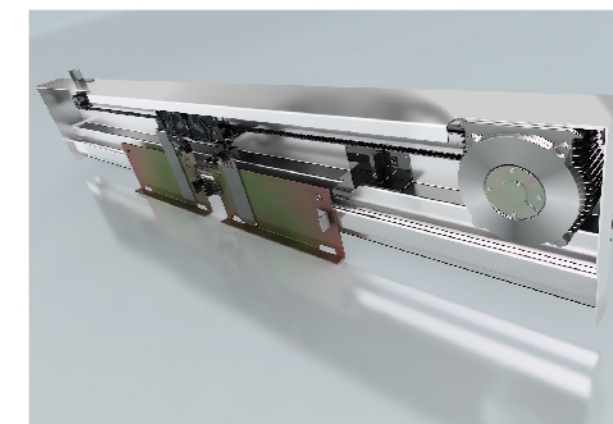
Small Control Panel

LEHY-MRL-II Elevators apply large-scale Field Programmable Gate Array (FPGA) and other high-performance chips to make the control panel small and slim, and apply world's advanced Surface Mount Technology (SMT) to truly achieve all-digitalization of control and motor drive and further improve the control performance, reliability and resistance to interference of the system. Shanghai Mitsubishi always upholds the design concept of installing the control panel in the hoistway, which allows the customer the freedom to decorate the top floors.



Ultra-slim PM Door Operator System

LEHY-MRL-II Elevators use ultra-slim PM door operator with direct drive technology and speed-current double closed-loop VVVF technology, making the door operator system run in a more efficient and energy-saving manner, the opening and closing of doors more steady and the maintenance more convenient, and saving space required for installation. By integrating the door weight and changes in resistance to door opening and closing at each landing, the door operator system intelligently adjusts the door opening and closing torque to ensure the doors can be opened and closed smoothly, reliably and safely.



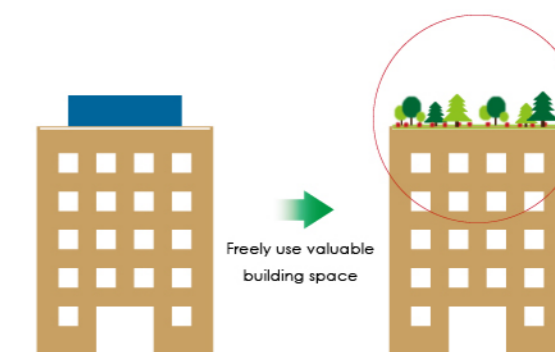
2. Small Emergency and Test Panel (ETP)

The Emergency and Test Panel (ETP) is specially designed for machine-room-less elevators, featured by taking up small space, which can be installed in the hall position indicator or hall call button box at the top floor, making the decoration of the building more pleasant to look.

Rescue staff can provide rescue and emergency drive operations outside of the hoistway, which reduces the risk of rescue operation and makes rescue operation more convenient and efficient.

3. Innovative Machine-Room-Less Structure

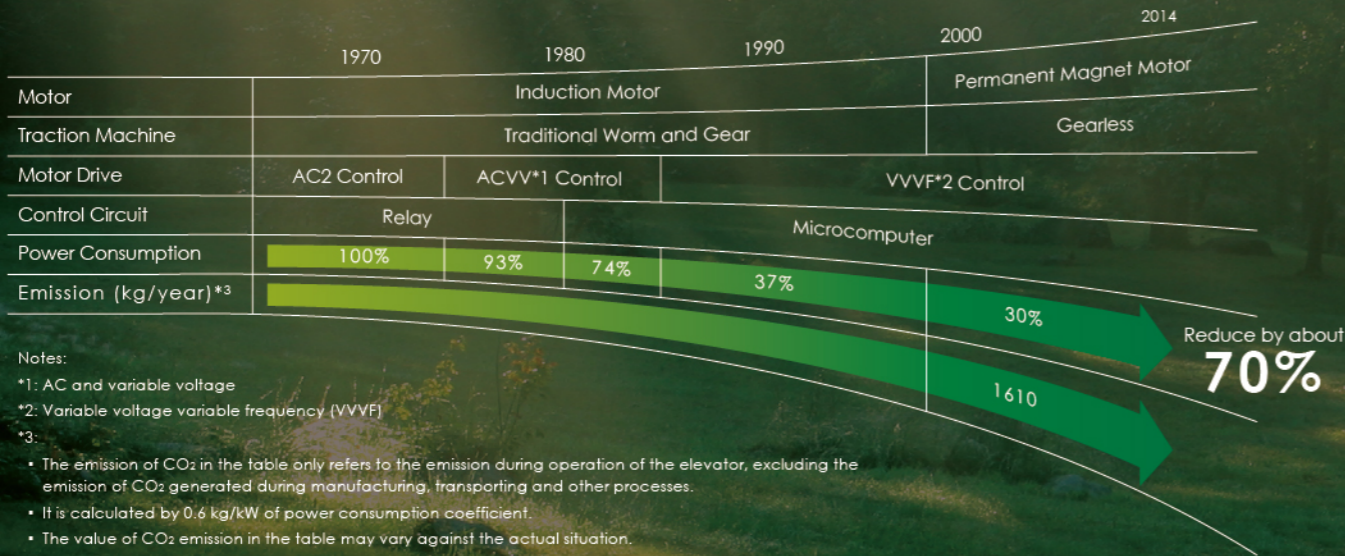
The innovative load free-standing structure enables the elevator to achieve a machine-room-less structure, which greatly reduces civil engineering costs for the customer and increases the utilization of the building space. The control panel is arranged in the hoistway, thus reducing the impact of the elevator on the building appearance and making the design and layout of the building more flexible.



Make Good Use of Energy

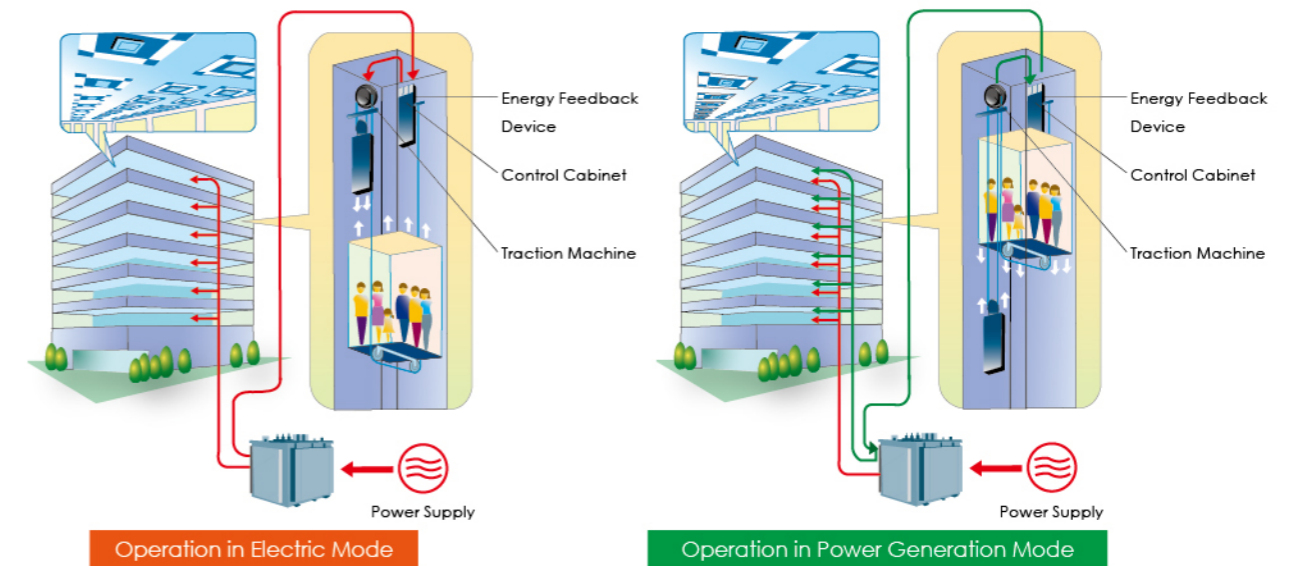
We have been committed to developing highly effective elevators and have developed intelligent power systems and features.

Milestones of Energy-saving Technologies in the Development Process



Energy Feedback Technology

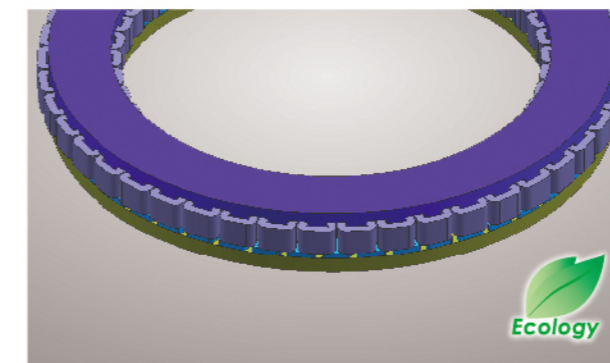
The elevator usually requires electric energy to run (motoring state). When the car runs down in heavy load or runs up in light load, the motor is in power-generating state (energy feedback state) and the electric power generated is usually consumed by resistor heating, which wastes energy and is not environmental-friendly. The PWM control based energy feedback technology (optional) will feed the electric power generated by the motor in power-generating state back to the grid. Compared with elevators without energy feedback device, such elevators can save energy by about 30%. Meanwhile, the input current at power supply side is in sine wave shape, which greatly reduces the harmonic wave pollution to power supply. Also, the voltage at DC side is under control, which helps to improve stability of the elevator operation.



Note: The above is for reference only. The actual operation may vary by power supply in the building.

PM Gearless Traction Technology

With permanent magnet materials, PM synchronous gearless traction machine does not need exciting current and has no copper consumption, saving energy by about 30% compared with conventional worm gear traction machine. This disc-type traction machine is customized for machine-room-less elevators and featured by small axial dimension, light weight and small size, which is very suitable for machine-room-less elevators with higher requirements for space layout and civil engineering dimensions.



Car Fan/Light Shut Off-Automatic

CFO-A/CLO-A

Car Fan/Light automatically shut off to save energy when the elevator is on standby in no direction for some time.



Universal Decoration System

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 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.

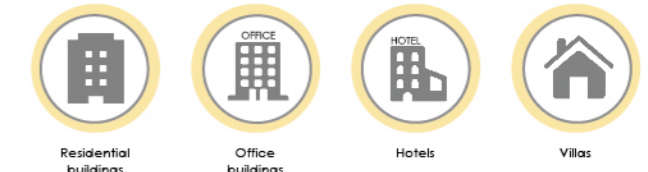


Easily Recognizable Micro-light Buttons

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

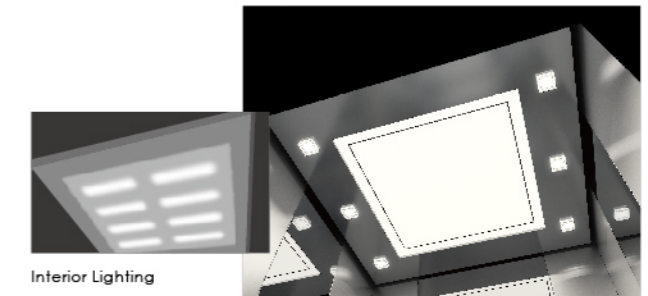


The brand new designed integrated cars apply to a majority of architectural occasions, providing various styles and satisfying diversified customer requirements:

- No additional decoration layer, and saving more space and cost;
- One-time delivery save both time and labour;
- Original quality, safe and secure.

Energy Saving and Environment Friendly LED Lighting

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

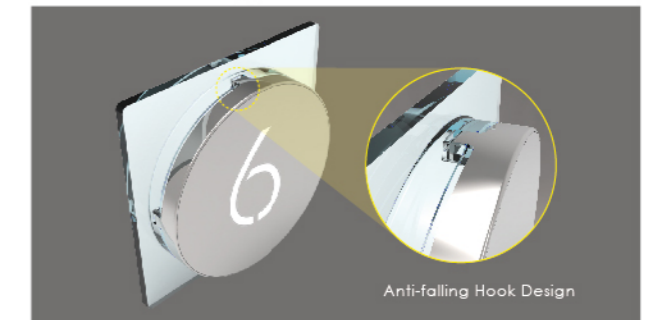


Interior Lighting

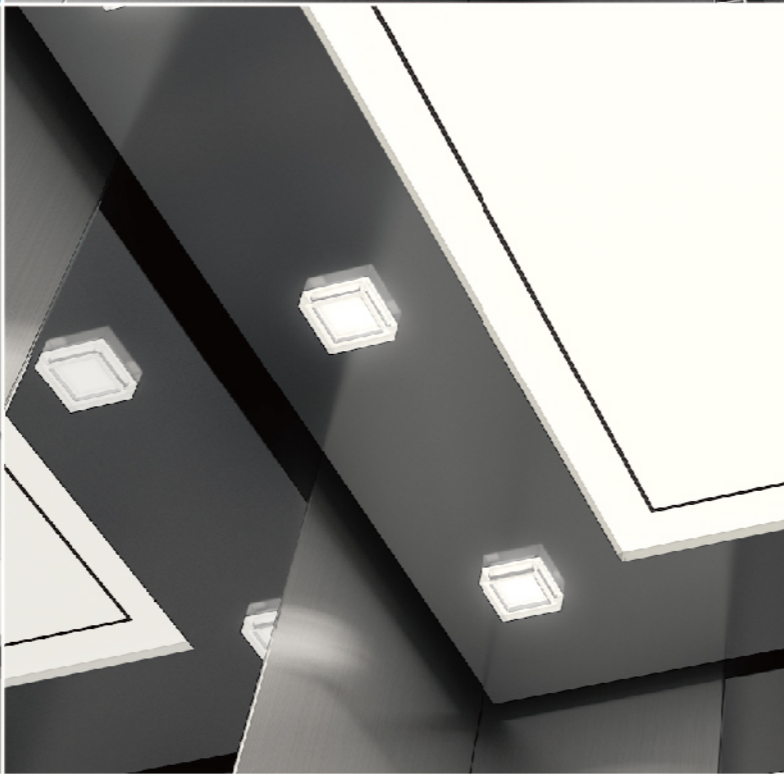
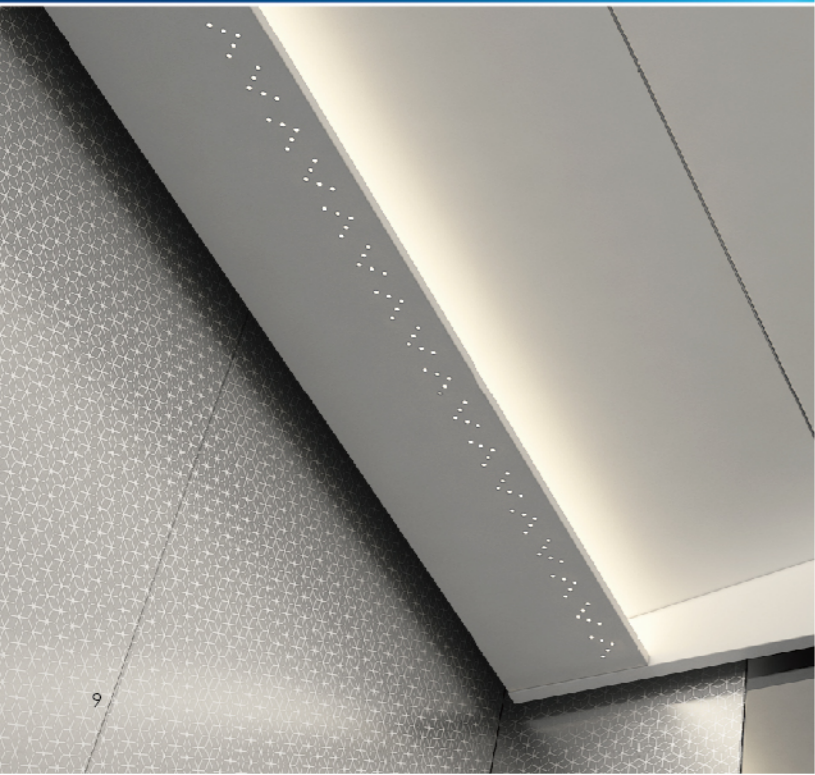
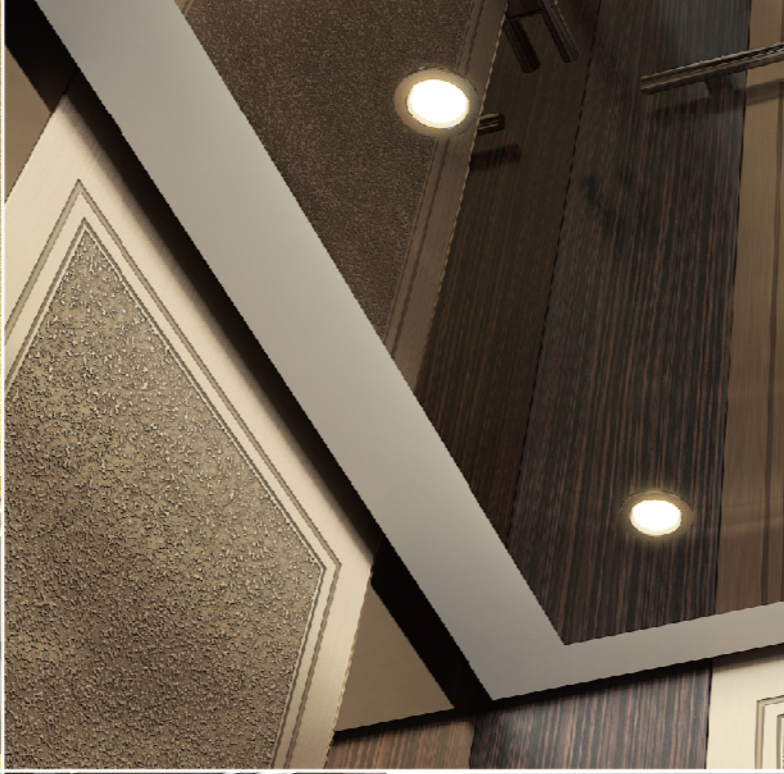
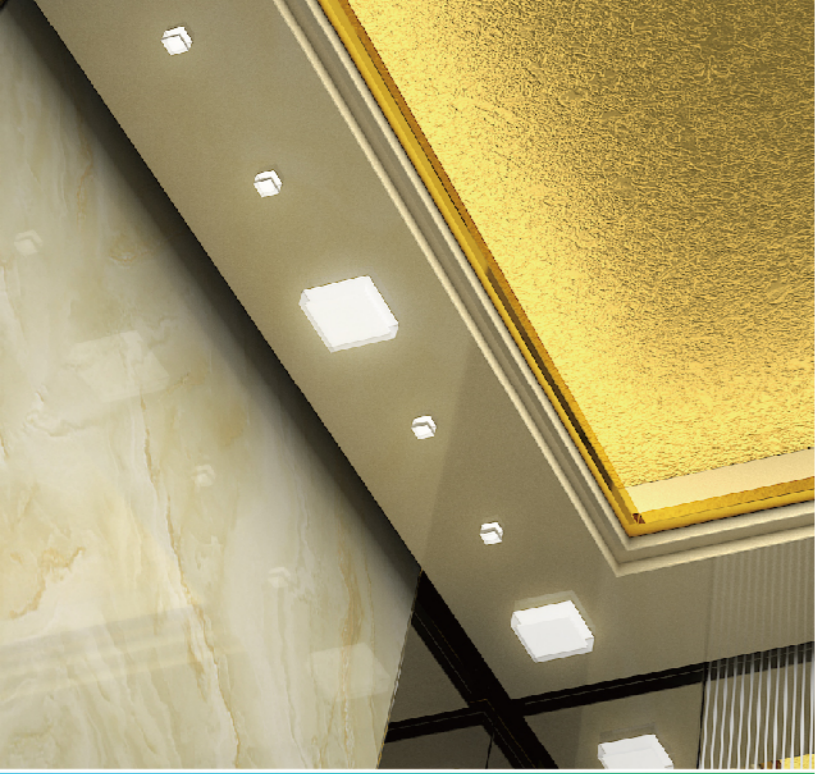
Durable Buttons

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.)



Anti-falling Hook Design



Modern Simple



Pinzun Cabinet / ZCD-020G

- Car Ceiling**
ZCL-DS12
- Operation Panel**
ZCBD01-T710(Primary)/ZCBD01-T760(Auxiliary)
(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)



General

Design

Functions

Civil

Specifications

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



Jueshi House / ZCD-022X LED

- 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)



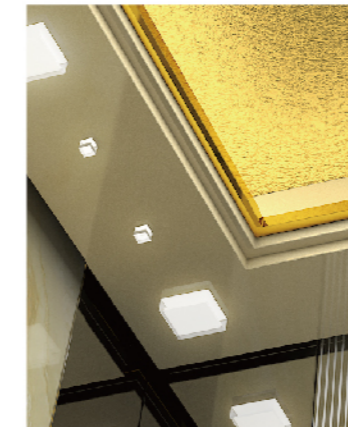
New Classics



Guixin House / ZCD-019X LED

- 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.

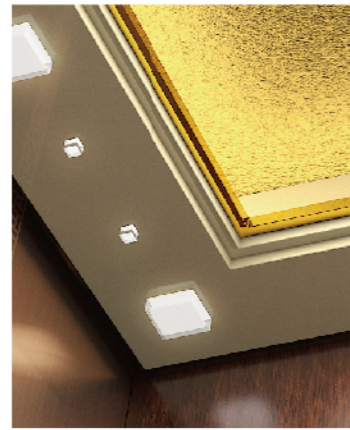


Zijing House / ZCD-021X LED

- 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



General

Design

Functions

Civil

Specifications

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)



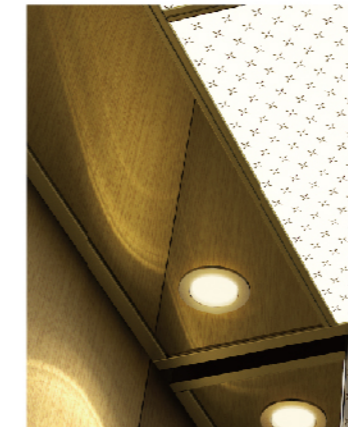
Modern Simple



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 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



General

Design

Functions

Civil

Specifications

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

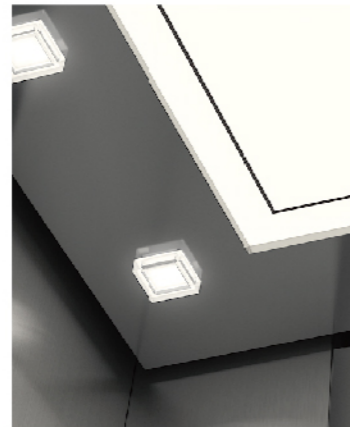


Jintai Cabinet / ZCD-025G LED

- 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)



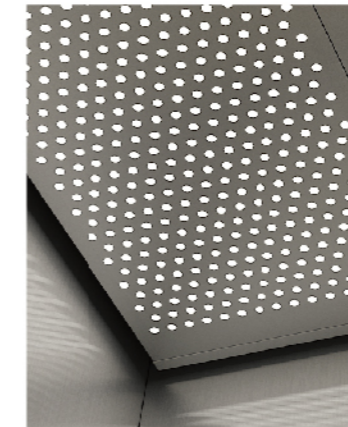
Modern Simple



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)

Modern Simple



General

Design

Functions

Civil

Specifications

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

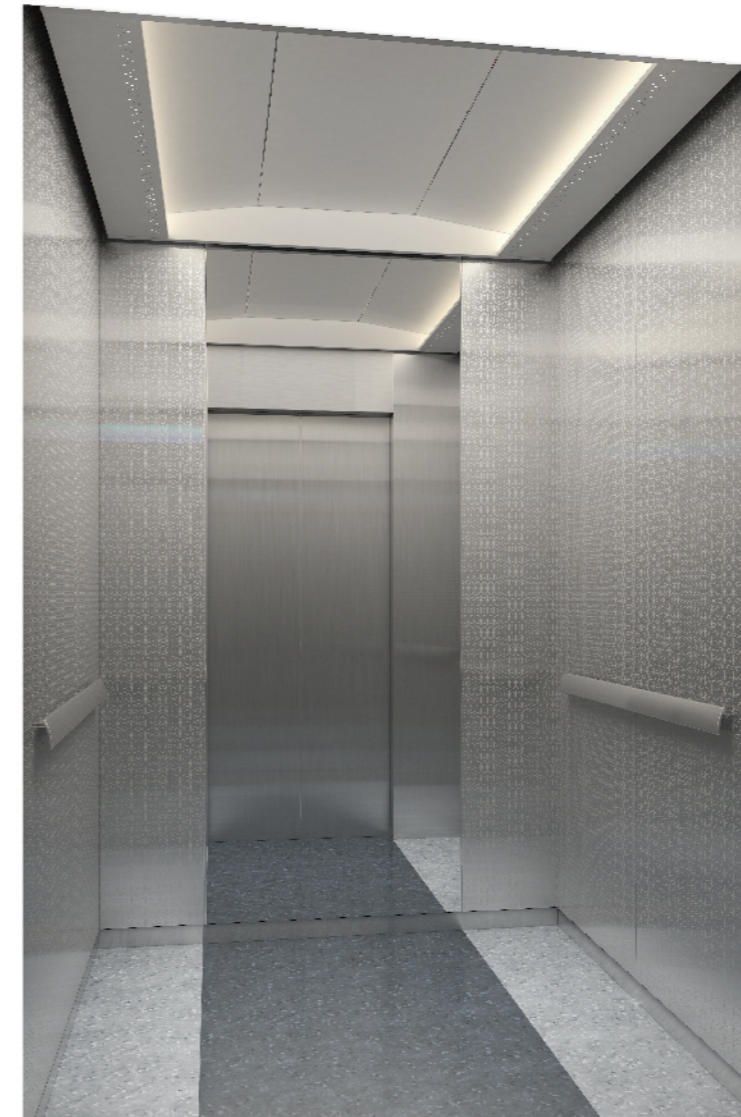


Xingyu Court / ZCD-022T LED

- 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



General

Design

Functions

Civil

Specifications

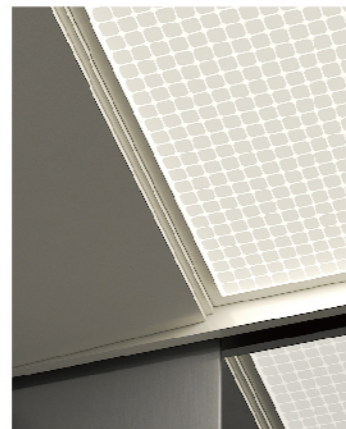
Note: If you have any other requirements for car configuration, please contact the Business Department of our company.



Jingyue Court / ZCD-020T LED

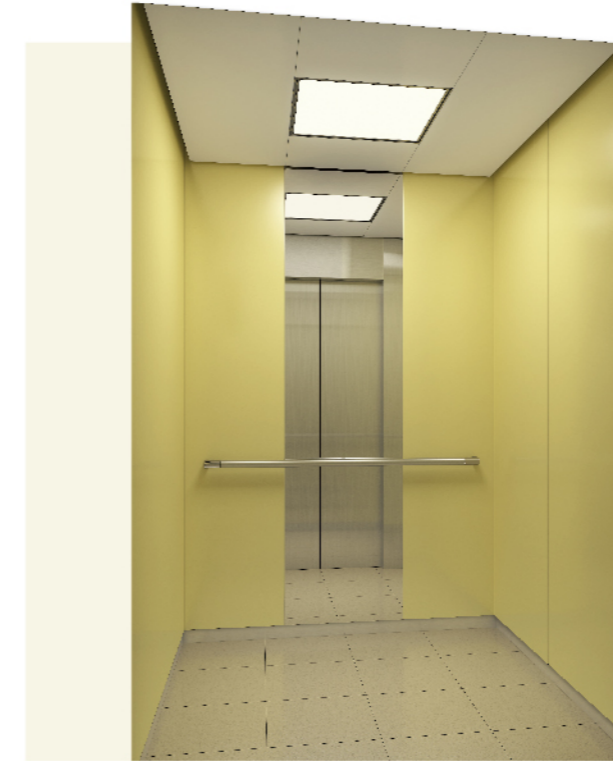
- Car Ceiling**
ZCL-SS08 (Color code: Y033)
- Operation Panel**
ZCBA11-C510 (Hairline Panel) (Can select other models)
- Wheel Chair Operation Panel**
ZCBA04-F110 (Hairline Panel) (Can select other models)
- Front Wall**
Hairline Stainless Steel
- Side Walls**
Hairline Stainless Steel
- Back Wall**
Two-side 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)

Modern Simple



Haoyue Court / ZCD-021T LED

- 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)

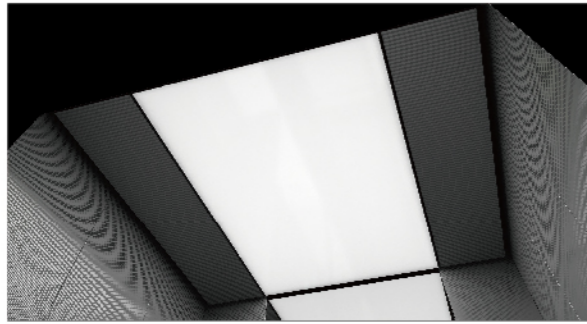


Pinxuan Court / ZCD-019T LED

- 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)

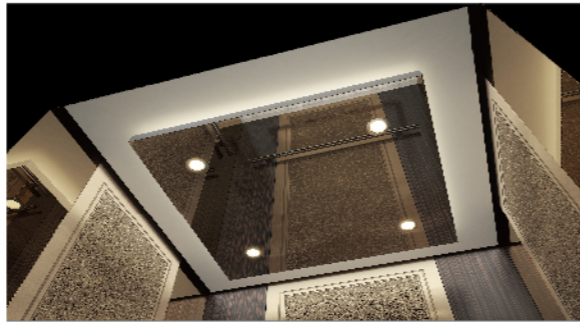


ZCL-DS12 (Optional)



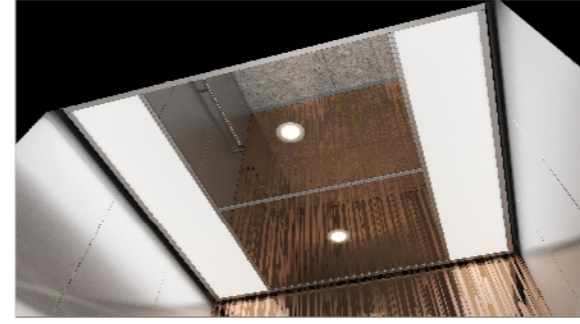
Lighting: central direct lighting;
Material: central imported high-grade white translucent soft film, two-side hairline etched black-plated titanium stainless steel;
Thickness: 200mm

ZCL-GS08 (Optional)



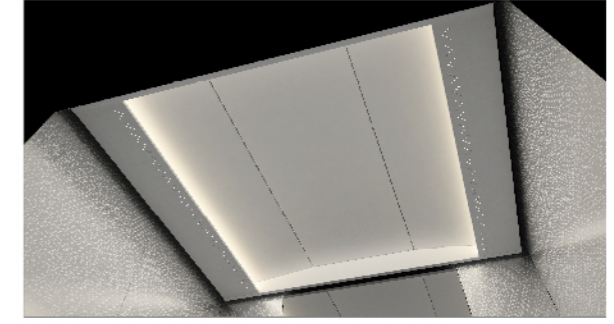
Lighting: ambient floodlight lighting, central down light direct lighting;
Material: central mirror stainless steel, ambient Painted steel plate (color code: Y033);
Thickness: 200mm

ZCL-GN03 (Optional)



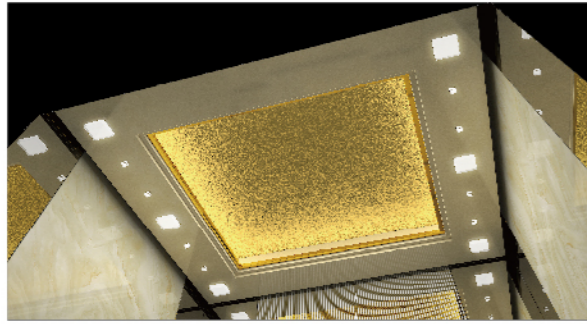
Lighting: central down lamp lighting; two-side lighting board lighting;
Materials: central mirror acrylic lighting board, two-side milk white acrylic lighting boards, aluminum alloy frame;
Thickness: 200mm

ZCL-SS06 (Optional)



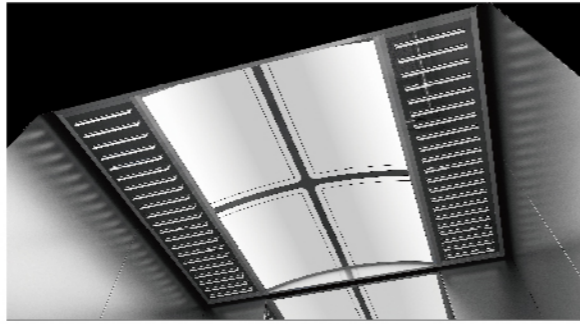
Lighting: two-side warm floodlight lighting;
Material: Painted steel sheet ceiling plate (color code: Y033);
Thickness: 200mm

ZCL-GS16 (Optional)



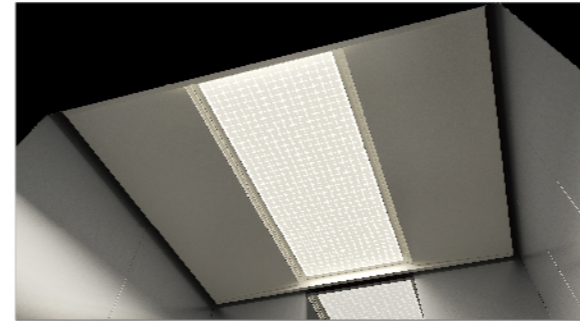
Lighting: central floodlight key lighting; two-side auxiliary lighting;
Material: central floodlight gold foil, ambient Painted steel sheet (color code: Y033, if other colors are in need, select in accordance with the color panel palette of Shanghai Mitsubishi), two-side acrylic crystal hanging pieces;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

ZCL-DS13 (Optional)



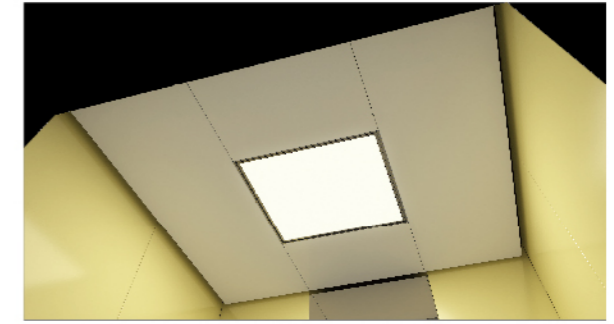
Lighting: central direct lighting; two-side auxiliary lighting;
Material: arched milk white printed acrylic lighting boards, two-side acrylic crystal hanging pieces, stainless steel frame;
Thickness: 200mm

ZCL-SS08 (Optional)



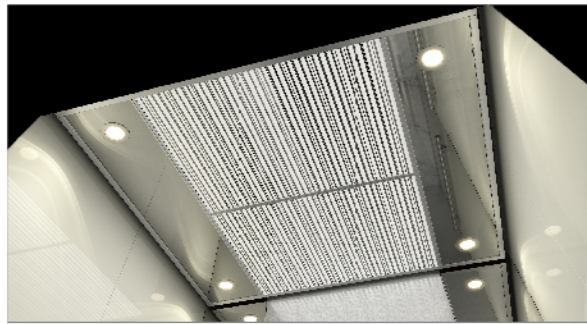
Lighting: central direct lighting;
Material: central milk white printed lighting board, two-side coating steel sheet (color code: Y033, if other colors are in need, select color in accordance with Shanghai color palette)
Thickness: 200mm

ZCL-SN03 (Optional)



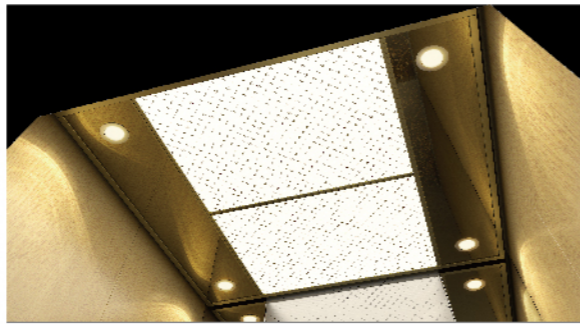
Lighting: central direct lighting;
Material: central milk white light guide plate, peripheral coating steel sheet ceiling (color code: Y033, if other colors are in need, select color in accordance with Shanghai color palette)
Thickness: 100mm

ZCL-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-GN05 (Optional)



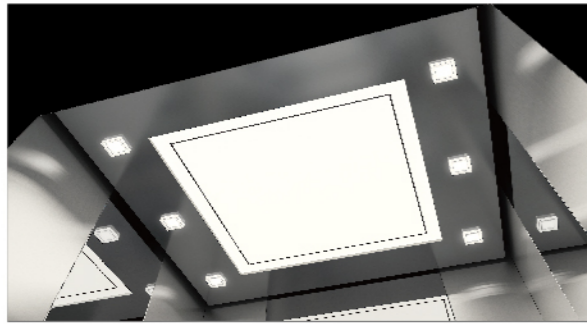
Lighting: central direct lighting; two-side down lamp lighting;
Materials: central milk white printed acrylic lighting board, two-side golden mirror acrylic panel, aluminum alloy frame;
Thickness: 200mm

ZCL-SS07 (Optional)



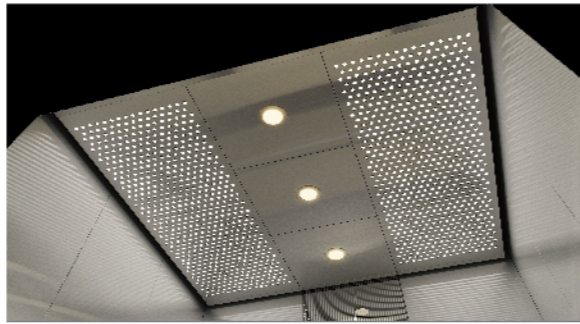
Lighting: down light direct lighting;
Material: coating steel sheet ceiling (color code: Y033, if other colors are in need, select color in accordance with Shanghai color palette)
Thickness: 100mm

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-GN02 (Optional)



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

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.

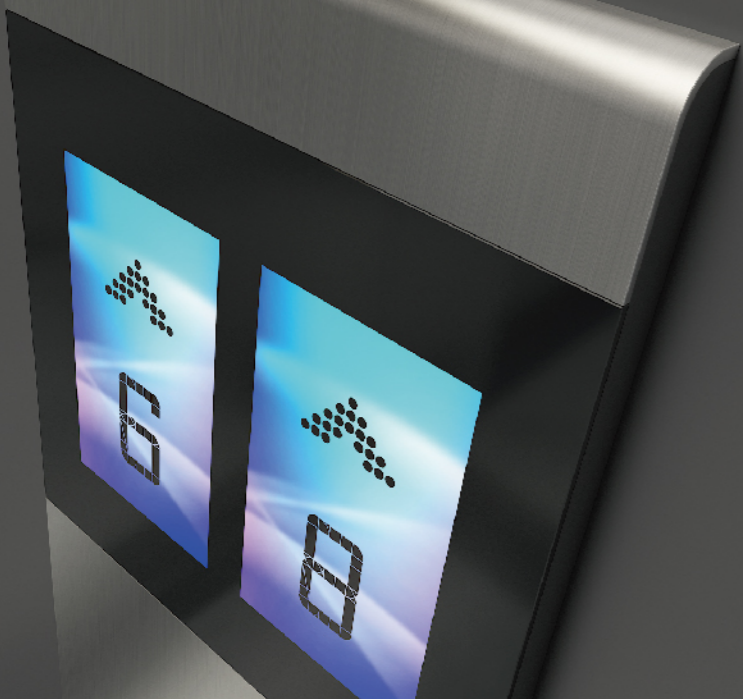
ZCL-CN01 (Empty Car Roof)

By others. (ceiling thickness 100mm).

ZCL-CN08 (Empty Car Roof)

By others. (ceiling thickness 200mm).

Human-machine Component Design



Car Operation Panel

LEHY-MRL-II

Front Wall Half Height Operation Panel

Model	Display	Panel Material	Buttons
ZCB■-C510 (Primary) ZCB■-C560 (Auxiliary)	5.7" Color segmented LCD, fine and vivid.	Stainless Steel Panel	The buttons are exchangeable. The figure shown is A11 button.
ZCB■-C110 (Primary) ZCB■-C160 (Auxiliary)	Amber LED, classic and durable.	Stainless Steel Panel	The buttons are exchangeable. The figure shown is A12 button.
ZCB■-C210 (Primary) ZCB■-C260 (Auxiliary)	5.7" TFT LCD, *3 fine and vivid.	Stainless Steel Panel	The buttons are exchangeable. The figure shown is A23 button.

Note:
 *1 Configurable when front wall width ≥ 250 mm.
 *2 The symbol ■ represents the button model; please select the button model from Page 32; It is recommended to select A01~A06 buttons when the parking floors of front wall half-height operation panel exceed 28 floors.
 *3 Please refer to Page 35 for LCD.

General

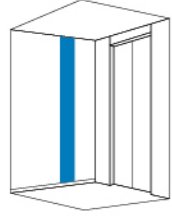
Design

Functions

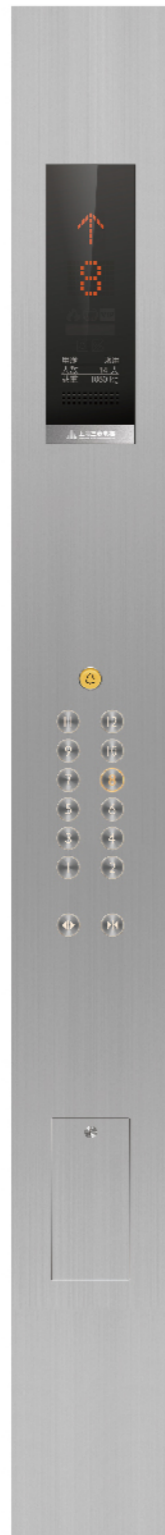
Civil

Specifications

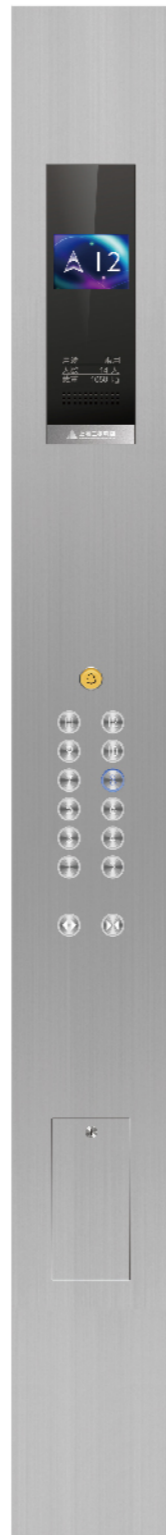
Side Wall Full-height Operation Panel



ZCB-R510
ZCB-R560
5.7" Color segmented LCD
Stainless Steel Panel
The figure shown is A11 button



ZCB-R110
ZCB-R160
Amber LED, classic and durable
Stainless Steel Panel
The figure shown is A12 button



ZCB-R210
ZCB-R260
5.7" TFT LCD *3
Stainless Steel Panel
The figure shown is A23 button

Side Wall Full-height Operation Panel

Comply with GB/ T24477 Standard



ZCB-R530
ZCB-R580
5.7" Color segmented LCD
Stainless Steel Panel
The figure shown is A04 button *1

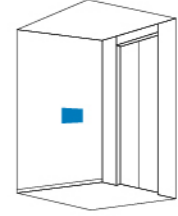


ZCB-R130
ZCB-R180
Amber LED, classic and durable
Stainless Steel Panel
The figure shown is A04 button *1



ZCB-R230
ZCB-R280
5.7" TFT LCD *2
Stainless Steel Panel
The figure shown is A04 button *1

Wheel Chair Operation Panel *3



ZCB-F011
ZCB-F061



ZCB-F131
ZCB-F181
Comply with GB/ T24477 Standard

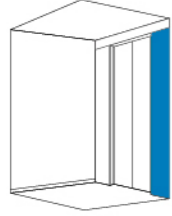
Note:

- *1 Configurable when front wall width <250mm.
- *2 The symbol ■ represents the button model, please select button from Page 32.
- *3 Please refer to Page 35 for LCD.

Note:

- *1 Signal ■ represents the button model. The optional buttons of the operation panel in this page are A04, A05, A06 (complying with GB/T24477 standard). See details in Page 32.
- *2 Please refer to Page 35 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 Integrated Operation Panel



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



ZCB■-T310 ZCB■-T360 (Configurable when front wall ≥ 300) 8.4" TFT LCD Stainless Steel Panel The figure shown is A11 button.	ZCB■-T710 ZCB■-T760 (Configurable when front wall ≥ 350) 10.4" Multimedia LCD Stainless Steel Panel The figure shown is A23 button.	ZCB■-T410 ZCB■-T460 (Configurable when front wall ≥ 400) 12.1" Multimedia LCD Stainless Steel Panel The figure shown is B02 button.	ZCB■-T810 (主) ZCB■-T860 (副) (Configurable when front wall ≥ 450) 15.0" Multimedia LCD Stainless Steel Panel The figure shown is A24 button.
--	--	--	--

Note:
 *1 The symbol ■ represents the button model, please select button from Page 32.
 *2 Please refer to Page 35 for LCD.

Wall-mounted Landing Call (Without Bottom Box) *2



ZPI●-GB10 Stainless Steel Panel Without Bottom Box The figure shown is A11 button	ZPI●-GB20 Stainless Steel Panel Without Bottom Box The figure shown is A11 button	ZPI●-GA10 Stainless Steel Panel Without Bottom Box The figure shown is A23 button	ZPI●-GA20 Stainless Steel Panel Without Bottom Box The figure shown is A23 button
---	---	---	---

ZPI●-GB10 Stainless Steel Panel Without Bottom Box The figure shown is A24 button	ZPI●-GB20 Stainless Steel Panel Without Bottom Box The figure shown is A24 button	ZPI●-G110 Stainless Steel Panel Without Bottom Box The figure shown is A09 button	ZPI●-G120 Stainless Steel Panel Without Bottom Box The figure shown is A09 button
---	---	---	---

Note:
 *1 The symbol ● represents the button model, please select button Page 32.
 *2 If bottom box is required, contact the sales persons for non-standard installation of bottom box. The appearance of the landing indicators with or without bottom box will be consistent.

Wall-mounted Landing Call (Without Bottom Box)

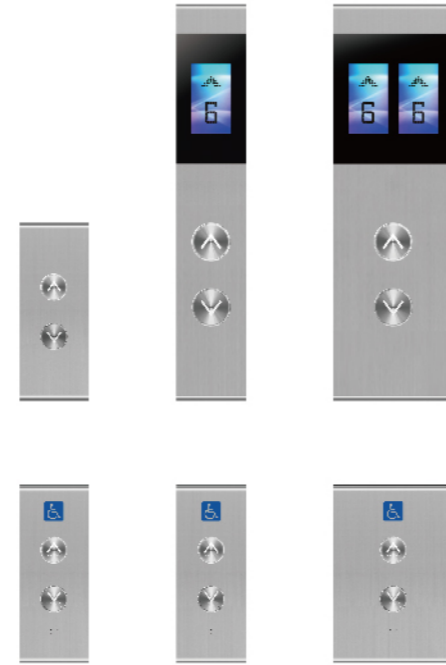
Matching Diagram
(Respond to the requirements of the handicapped.)

Complying with GB/T24477 standard.



ZHB-G010
(Single Elevator) *1
ZHB-G020
(Parallel Connection) *1
ZHB-H030
(Single Elevator) *2
ZHB-H040
(Parallel Connection) *2
ZHB-H041
(Parallel Connection) *2

Note:
*1 The symbol ● represents the button model; please select button from Page 32;
*2 The symbol ● represents the button model. The optional buttons are A14, A15, A16 (complying with GB/T24477 standard). See details in Page 32.
*3 If bottom box is needed, contact the sales person for non-standard installation of bottom box. The appearance of the landing indicators with or without bottom box will be consistent.

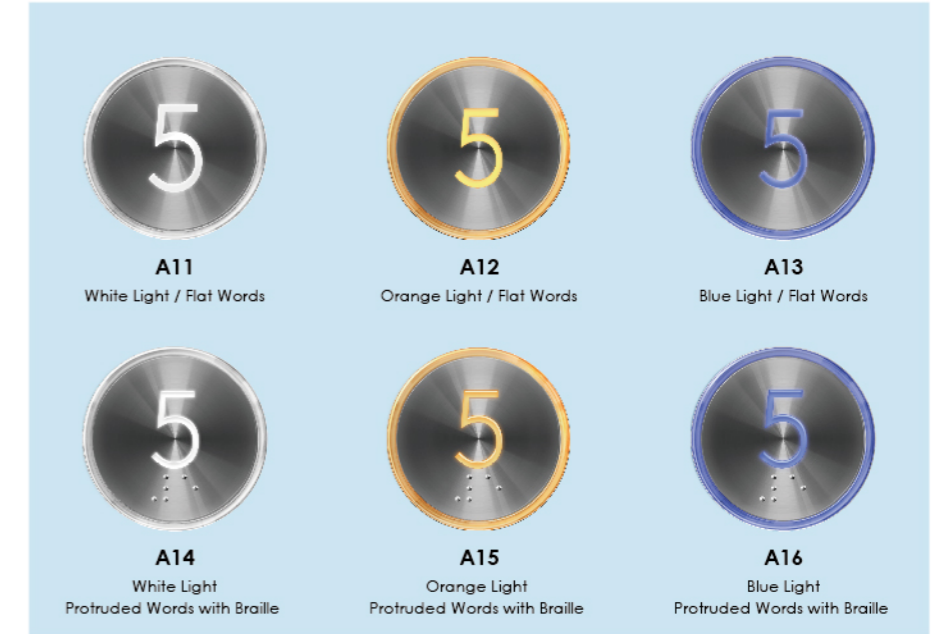


Basic Buttons

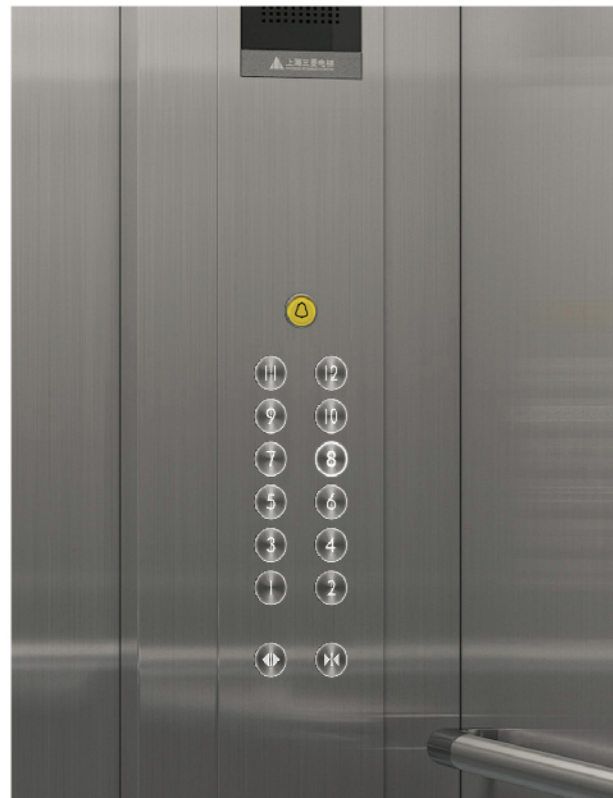
Illustration of the Button Samples



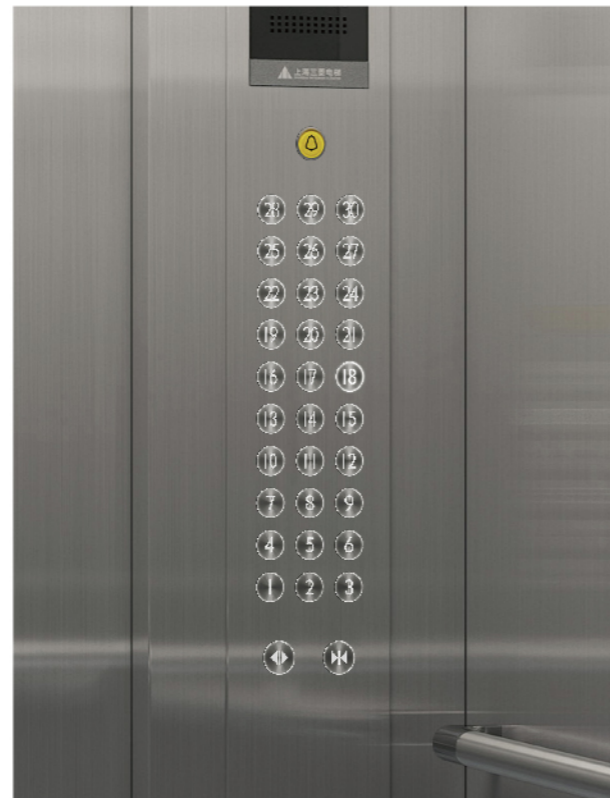
A11
Diameter 35mm
Machinery Fine Motion
Standby Micro-light
Stainless Steel Surface



Button Application Scenario



■ A11-A16



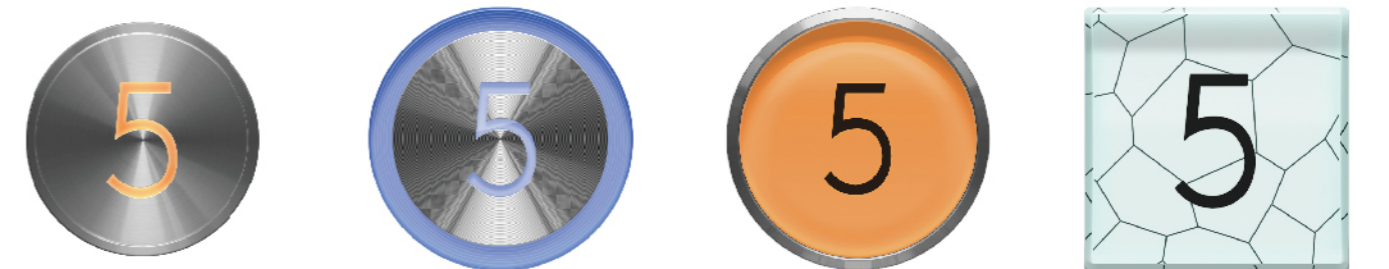
■ A01-A06

Optional Button Styles

- A01 Machinery Fine Motion/Diameter 31mm/Stainless Steel Surface/White Light/Flat Words
- A02 Machinery Fine Motion/Diameter 31mm/Stainless Steel Surface/Orange Light/Flat Words
- A03 Machinery Fine Motion/Diameter 31mm/Stainless Steel Surface/Blue Light/Flat Words
- A04 Machinery Fine Motion/Diameter 31mm/Stainless Steel Surface/White Light/Protruded Words with Braille
- A05 Machinery Fine Motion/Diameter 31mm/Stainless Steel Surface/Orange Light/Protruded Words with Braille
- A06 Machinery Fine Motion/Diameter 31mm/Stainless Steel Surface/Blue Light/Protruded Words with Braille
- A24 Machinery Fine Motion/Diameter 50mm/Stainless Steel Surface/White Light/Flat Words
- A27 Machinery Fine Motion/Diameter 50mm/Stainless Steel Surface/White Light



A24
A27



A09
Diameter 31mm, Machinery Fine Motion
Flat Words, Orange Light
Round Hairline Stainless Steel Surface

A23
Diameter 35mm, Touch Sensitive
Standby White Light, Light up the Blue Light
Flat Words, CD Line Stainless Steel Surface

B02
Diameter 35mm, Machinery Fine Motion
Orange Light, Resin Button Cap
Stainless Steel Button Ring

D01
Square 35mm, Machinery Fine Motion
White Light
Resin Button Cap

Hall Door and Jamb

E-102

Narrow Door Jamb
Applicable for wide car, deep car.



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

E-302

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



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

E-312

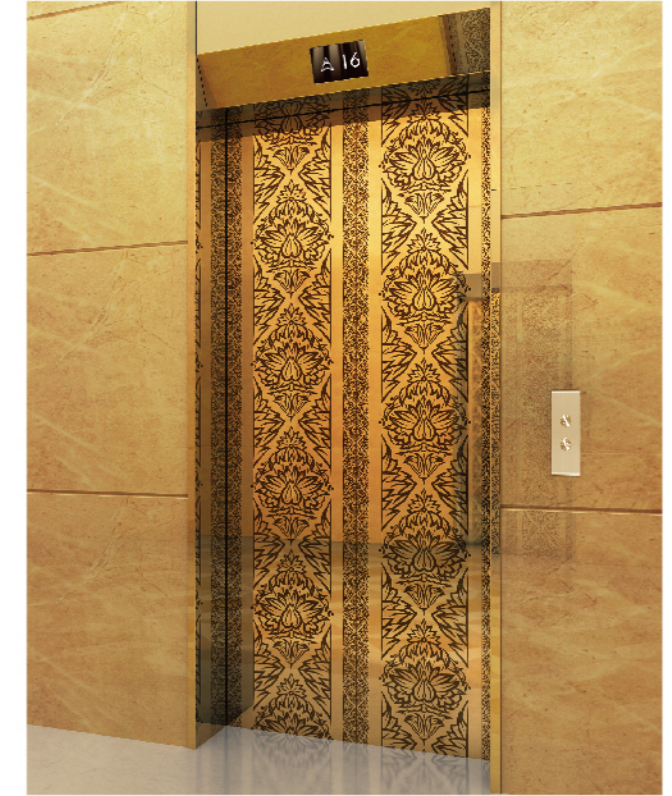
Curtain Plate Type Bevel (10°) Large Door Jamb
Only applicable for wide car.



Landing Direction Light: ZHLV-H030
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 applicable 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 to Page 31.



- ZHLV-H021**
Hairline/Mirror Stainless Steel Panels
Mist white acrylic of the lighting part
- ZHLV-H040**
Installation without bottom box
Mist white acrylic light part
- ZHLV-R061**
Hairline/Mirror Stainless Steel Panels
Mist white acrylic of the lighting part
- ZHLH-R080**
Transparent acrylic
Embedded matte triangle
Mirror-finish substrate dotted with stars
- 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-Mounted 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



Landing Display

Should be used together with the landing call button components referred to Page 31.



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 35 for LCD.

Color Segmented LCD

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

4.3" LCD (For Landing Display)



5.7" LCD (For Operation Panel)



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 operation panel 5.7" / for landing display 8.4")



Glaring Purple Standard



Fragrant Green Residence

Vertical elevator operating indication.
(For landing display call 4.3" / for operation panel 8.4")



Glaring Purple Standard



Fragrant 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 various 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.

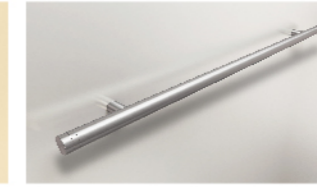
Handrail Type



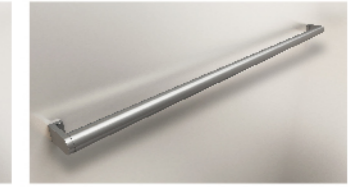
ZYH-SH01
Stainless Steel Leaning Handrail



ZYH-FH10
Stainless Steel Flat Handrail



ZYH-RH05
Stainless Steel Round Handrail

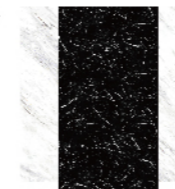


ZYH-RH06
Stainless Steel Round Handrail

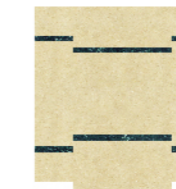
Floor Material

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 sample of Shanghai Mitsubishi.

Parquet Marble Floor



ZSC-001



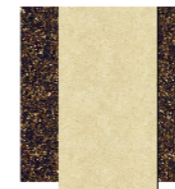
ZSC-002



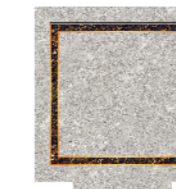
ZSC-011



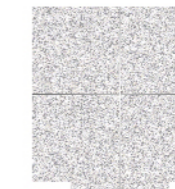
ZSC-012



ZSC-013



ZSC-014

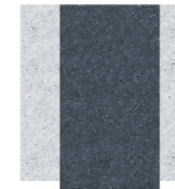


ZSC-015



ZSC-016

Parquet PVC Floor



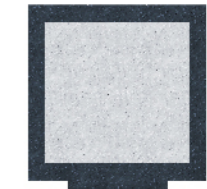
ZPH-027



ZPH-030



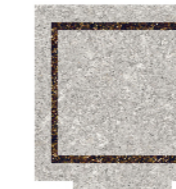
ZPH-028



ZPH-023



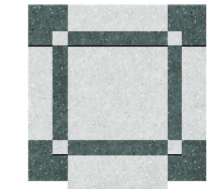
ZPH-026



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 car decoration plan is self-selected.
Mirror	None, stainless steel mirror, half-height, full height	When door opening is 1D1G. When the door opening is non-1D1G.
Handrail Type	None, rear wall, two side walls, three sides wall None, two side walls	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 painting 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 center opening doors; Applicable for E102 and E302.
	Painted steel, hairline stainless steel	Applicable for E312 and E322 when they are side opening doors.

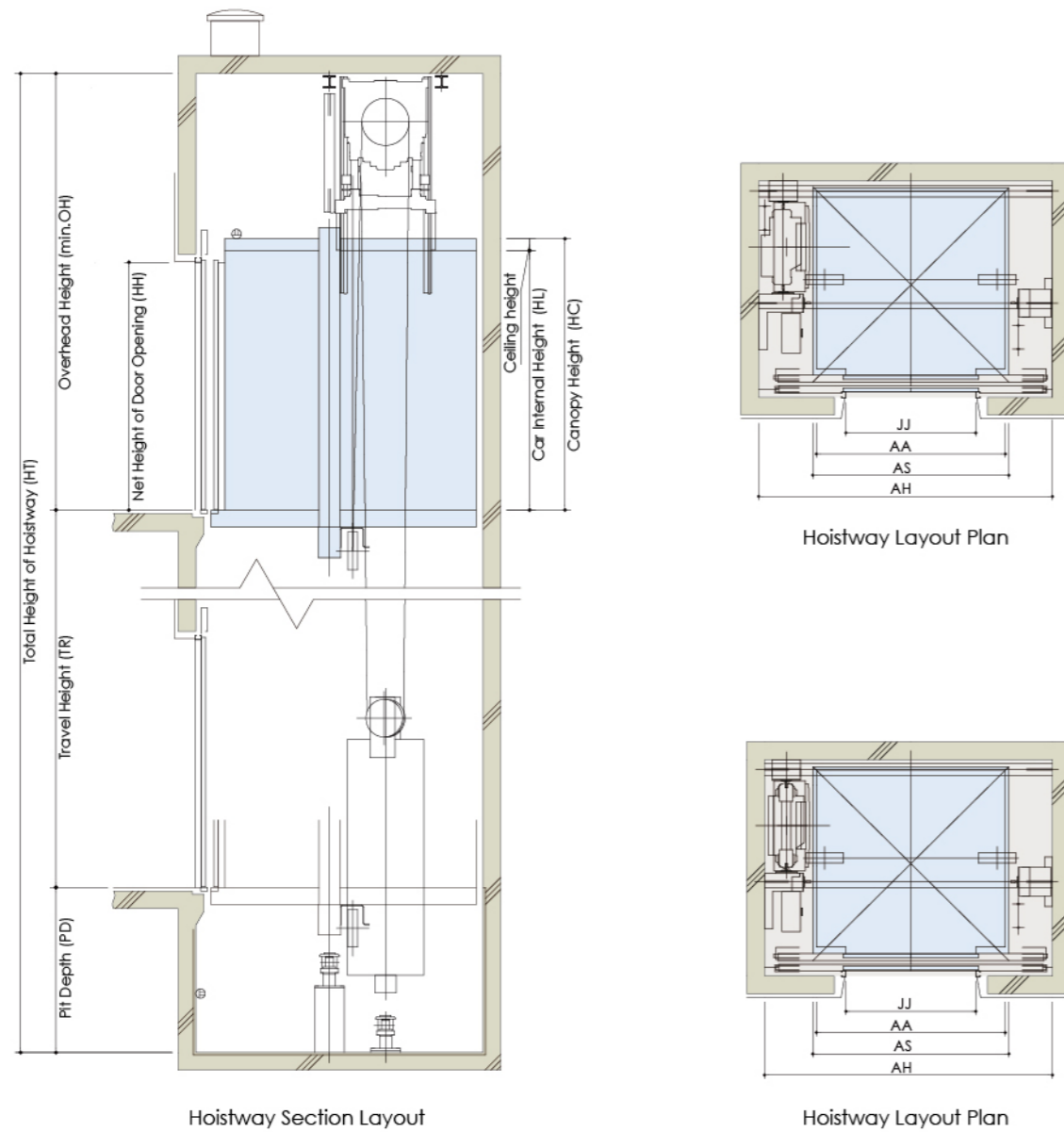
Feature	Description	Code	1C-28C	2C-3M21	2C-4C ITS21
Control and Security Features					
Automatic Landing with Rheostatic Leveling	When the car parks at a station, if the vertical difference between the upper plane of the car sill and that of the landing door sill exceeds predetermined value, the elevator will level automatically.	ARL	⑤	⑤	⑤
Anti-stall Timer	When the traction rope slips or motor stall reaches predetermined time, the elevator will stop.	AST	⑤	⑤	⑤
Balance Coefficient Automatic Detect	In Auto mode, after a certain period of time, when the elevator enters the standby mode, the brake is released and the elevator does not move. Measure the motor current to calculate the balance coefficient. If the coefficient deviates too much, then stop the elevator.	BCST	⑤	⑤	⑤
Brake Noise Reduction Control	Accurately control the action speed of the brake when braking to greatly reduce the noise produced and improve the ride comfort.	BNRC	⑤	⑤	⑤
Brake Redundancy Protection	When a group of brakes fails, the remaining brakes still can realize effective braking of the elevator.	BTUP	⑤	⑤	⑤
Car Side Safety Protection	When the car slides due to insufficient braking force, short the three-phase winding of PM traction machine in normal power supply state to reduce the speed of the car slides.	CSSP	⑤	⑤	⑤
Door Interlock Bypass Operation	Bypass the hall door or car door circuit via the door interlock bypass device to facilitate the maintenance of hall door contact, car door contact and door interlock contact.	DBO	⑤	⑤	⑤
Double-Side Static Torque Detect (Manual)	Enter the Double-Side Static Torque Detect (Manual) mode manually. The elevator keeps all brakes in holding state and applies a torsional torque onto PM traction machine to check the static torque.	DBSD-M	⑤	⑤	⑤
Double-Side Static Torque Detect (Power-on)	In auto mode, when the elevator is powered on in case of power outage or after the PCB is reset, the elevator keeps all brakes in holding state and applies a torsional torque onto PM traction machine to check whether the double-side static torque meets the requirement.	DBSD-O	⑤	⑤	⑤
Double-Side Static Torque Detect (Periodic)	In auto mode, after a certain period of time, when the elevator enters the standby mode, the elevator keeps all brakes in holding state and applies a torsional torque onto PM traction machine to check whether the double-side static torque meets the requirement.	DBSD-P	⑤	⑤	⑤
Door Interlock Short Safety Protection	In auto mode, if the door interlock switch is detected shorted, stop the elevator to protect passengers.	DSSP	⑤	⑤	⑤
Energy Feedback	Feed energy generated during operation back to the grid to save energy.	EFDK	⑤	⑤	⑤
Electrical Safe Loop Protection	Prevent the elevator from operating once the electrical safety devices connected together in series act.	ESC	⑤	⑤	⑤
Automatic story height measuring	Automatically measure and record story height	FMR	⑤	⑤	⑤
Inspection Operation	Inspection operation mode for maintenance staff.	INSP	⑤	⑤	⑤
Load Weighing Start	The elevator adjusts startup torque according to the car load so as to allow smooth start.	LWS	⑤	⑤	⑤
Over-current Protection	Stop elevator when the current through the rectifier or inverter is detected too high.	OCP	⑤	⑤	⑤
Over-speed Protection	Stop elevator when the running speed is detected over allowable value.	OSP	⑤	⑤	⑤
Over-temperature Protection	Stop elevator when over temperature of motor is detected.	OTP	⑤	⑤	⑤
Over-voltage Protection	Stop elevator when the voltage across the rectifier or inverter is detected too high.	OVP	⑤	⑤	⑤
Power Failure Protection	Stop elevator when open-phase, undervoltage or other faults of power occurs.	PPF	⑤	⑤	⑤
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.	PORL	⑤	⑤	⑤
Reversal protection	Stop elevator when it is detected running in reversed direction.	RSP	⑤	⑤	⑤
Selector Correcting	The elevator corrects the selector during operation.	SC	⑤	⑤	⑤
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	⑤	⑤	⑤
Stop Open	The car doors open automatically after the car stops at a floor.	SO	⑤	⑤	⑤
Inverter High-temperature Detect	Stop elevator when inverter high-temperature is detected.	THMF	⑤	⑤	⑤
Terminal Forced Decelerate	If the car runs to the terminal but the speed has not been reduced to specified value, the system will force it to decelerate and thus enable it to level normally.	TSD	⑤	⑤	⑤
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	⑤	⑤	⑤
Under speed Protection	Stop elevator when the running speed is detected under allowable value.	USP	⑤	⑤	⑤
Emergency Operation Features					
Emergency Car Lighting	Immediately provide car lighting when normal lighting power supply breaks.	ECL	⑤	⑤	⑤
Earthquake Emergency Return (S-wave)	When S-wave earthquake detector acts, the car immediately parks at the nearest floor with door opened.	EER-S	⑤	⑤	⑤
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 *1	⑤	⑤	⑤
Alarm Bell	Press this alarm bell in emergency. The bell and interphone will sound.	EMB	⑤	⑤	⑤
Fireman's Emergency Operation	When a fire happens, fireman switch actions, a car returns to the predetermined evacuation floor, then door opens canceling all calls from landings or car, the car is available for fireman's use.	FE *2	⑤	⑤	⑤
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 *2	⑤	⑤	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 *3	⑤	⑤	⑤
Remote Service System	Monitor elevator operation in real time, send faults or abnormalities to the Service Center of the company via wireless network in a timely manner, and process them quickly. Provide customers with value-added services by establishing customized maintenance program.	REMES-II *4	⑤	⑤	⑤
Monitoring System	This system uses computer to monitor the elevator's operation and position state, and provide operation commands as necessary.	SMOS-II *5	⑤	⑤	⑤
Operational and Service Features					
Automatic Bypass	When the car load exceeds 80% (adjustable) rated capacity, the elevator does not response hall calls from other floors along its travel.	ABP	⑤	⑤	⑤
Attendant Service	Normal operation of the elevator is conducted by an attendant	AS	⑤	⑤	⑤
Bypass	Bypass all hall calls when the attendant serves and activates the 'Bypass' button.	BP *6	⑤	⑤	⑤
Car Computer Back Up Operation	When an abnormality occurs on the car computer, the car stops at nearest floor and the elevator cannot restart.	CCBK	⑤	⑤	⑤
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	⑤	⑤	⑤
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	⑤	⑤	⑤
Car Fan Shut Off - Manual (button type)	The car ventilation fan is turned off by combination buttons on the operation panel.	CFO-B	⑤	⑤	⑤
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	⑤	⑤	⑤
Car Light Shut Off - Manual (button type)	The car light is turned off by combination buttons on the operation panel.	CLO-B	⑤	⑤	⑤
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	—	⑤	⑤
Elevator Dedicated Air Conditioning	Air conditioning for elevator car.	EAC	⑤	⑤	⑤
Self-diagnosis	Diagnose abnormalities and faults occurred during elevator operation.	EPD	⑤	⑤	⑤
Exit Switch	Switch for detecting state of exit	EXIT SW *7	⑤	⑤	⑤
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	⑤	⑤	⑤
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	⑤	⑤	⑤
Hall Call Erase - 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 *10	⑤	⑤	⑤
Automatic Hall Call Registration	When one elevator cannot take all passengers, the landing button remains registered state, and the system will assign another elevator to provide service.	FSAT	⑤	⑤	⑤
Group Control Backup Service	Maintain service of individual elevators when group control becomes invalid due to failure of the group control controller or failure of communication between the group control and individual stations.	GCBK	—	—	⑤
Hall Computer Back Up Operation	When an abnormality occurs on the hall computer, the car stops at nearest floor and the elevator cannot restart.	HCBK	⑤	⑤	⑤
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.	HE-B	⑤	⑤	⑤
Hall Out-of-service Operation	Turn on or shut off the elevator by operating the "RUN/STOP" switch installed on specified floor.	HOS	⑤	⑤	⑤
Independent Service	Using the Independent switch in the operation panel, the car can respond only to car calls without interrupting service.	IND	⑤	⑤	⑤
Non-service to Specific Floor (switch type)	Operating this switch can cancel service to specified floors.	NS	⑤	⑤	⑤
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	⑤	⑤	⑤
Non-service to Specific Floor (switch type)	Operating this switch can cancel service to specified floors.	NS *11	⑤	⑤	⑤
Not Start Operation	When landing call or car call is registered but the car cannot start within predetermined time, it will clear the assigned landing call, reserve the car call, light up the Abnormal lamp, and sound the Abnormal bell.	NST	⑤	⑤	⑤
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	⑤	⑤	⑤
Overload Holding Stop	When the car is overloaded, the doors remain open and a buzzer sounds.	OLH	⑤	⑤	⑤
Remote Control Stop	Start or stop the car through the remote control switch.	RCS *12	⑤	⑤	⑤
Return Operation	Operating Return switch to immediate call the car back to specified floor and park there.	RET *12	⑤	⑤	⑤

Feature	Description	Code	1C-28C	2C-3M21	2C-4C ITS21
Operational and Service Features					
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-S *9	⑤	⑤	⑤
Secret Call Service (IC card type)	The buttons of certain specified floors can only be registered via IC card.	SCS-IC	⑤	⑤	⑤
Door Operating Features					
Light Curtain Protection	Light curtain protection with multiple light beam.	AMS *13	⑤	⑤	⑤
Door Close Limit Switch on Start	When the car doors can not close completely, they will reverse and open.	CLTS	⑤	⑤	⑤
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	⑤	⑤	⑤
Extended Door-open Button	Press and hold this button can extend door-open time.	DKO-TB *19	⑤	⑤	⑤
Door Load Detect	If the car doors cannot fully open or close due to overload, the doors will act in reverse direction.	DLD	⑤	⑤	⑤
Not Door Open Feature	If car doors are blocked while opening, they will close immediately.	DONG	⑤	⑤	⑤
Automatic Door-open Time Adjustment	Automatically adjust door-open time according to landing calls or car calls.	DOT	⑤	⑤	⑤
Door Close Torque Up Control	When car doors encounter extra resistance while closing, the door system will automatically increase the torque. After the car has stopped at a station and the doors has opened, pressing Close button can make the doors to close immediately.	DTC	⑤	⑤	⑤
Expediting of Door Close	Pressing Close button can make the doors to close immediately.	EDC	⑤	⑤	⑤
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 *13	⑤	⑤	⑤
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 *14	⑤	⑤	⑤
Repeated Door-Close	If car doors are blocked while closing, the elevator will repeat the closing action until the debris is removed.	RDC	⑤	⑤	⑤
Reopen with Hall Button	During door closing, when hall calling button in the same direction is pressed, the doors will reopen.	ROHB	⑤	⑤	⑤
Information and Display Features					
Voice Announce Device	Voice announce device (Chinese) informs the passengers of related elevator information.	AAN-S01 *15	⑤	⑤	⑤
Voice Announce Device	Voice announce device (Chinese and English in turn) informs the passengers of related elevator information.	AAN-S02 *15	⑤	⑤	⑤
Voice Announce Device	Voice announce device (English) informs the passengers of related elevator information.	AAN-S03 *15	⑤	⑤	⑤
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)	AECG *16	⑤	⑤	⑤
Car Arrival Chime (Hall)	The chime prompts the passengers the car has arrived at the destination floor. (The chime is installed on the hall)	AECH *16	⑤	⑤	⑤
Immediate Prediction Broadcast	Once a passenger registers a floor call, the most appropriate elevator will be selected for this call, and inform the passenger via visual/acoustic signal.	ASL	⑤	⑤	⑤
Automatic Operation Signal Light (Hall)	The landing indicator displays the elevator is in automatic operation state.	AUL *17	⑤	⑤	⑤
Signal Interface Device	Outputs basic operation state signal of the elevator via this device	BA *20	⑤	⑤	⑤
Bypass Signal Light (Hall)	The landing indicator displays the elevator is in "Bypass operation" state.	BPL *17*18	⑤	⑤	⑤
Direction Arrows in Car	Indicates running direction with arrows in the car.	DAC	⑤	⑤	⑤
Direction Arrows on Hall	Indicates running direction with arrows on the hall.	DAH	⑤	⑤	⑤
Door-Close Button Response Light	The Door-Close button light illuminates at the same time when this button is pressed.	DCR	⑤	⑤	⑤
Extended Door-Open Button Light	When the Extended Door-Open button is pressed, the indicator light illuminates for certain period.	DKOL *21	⑤	⑤	⑤
Door-Open Button Response Light	The Door-Open button light illuminates at the same time when this button is pressed.	DOL	⑤	⑤	⑤
Elevator Counter/Timer	Record number of runs and running time of the elevator.	ECT	⑤	⑤	⑤
Multimedia Display in Car	Can provide audio/video or other information for the passengers (installed in the car).	EMDS-C *22	⑤	⑤	⑤
Multimedia Display on Hall	Can provide audio/video or other information for the passengers (installed on the hall).	EMDS-H *23	⑤	⑤	⑤
Exclusive Service Indication	Display that the elevator is in exclusive service state.	EXCL *17*19	⑤	⑤	⑤
Fireman's Emergency Operation - Complete	The fireman's emergency operation is activated, the elevator runs to specified return floor, then the elevator outputs an in-place indicating signal.	FE-CP *24	⑤	⑤	⑤
FE Operation Signal Lamp in Car	When the elevator gets into FE operation status, the signal lamp in the car will indicate the status.	FELC *25	⑤	⑤	⑤
Fire Emergency Return - Complete	A CP signal is outputted after the FER running is completed.	FER-CP *26	⑤	⑤	⑤
Flashing Hall Button Light	When the elevator stops at a landing and starts to open the doors, the Hall Call Button light of the same direction flashes to remind passengers that the car has arrived; when the doors are closed fully, the button light goes off.	FHBL	⑤	⑤	⑤
Flashing Hall Lantern	Flashing lantern indicates arrival of car and its running direction.	FHL	⑤	⑤	⑤
Inspection Operation Indication	Hall indicator will display the elevator is in inspection mode.	INSPL	⑤	⑤	⑤
Hall Indicator Energy Saving	The dot-matrix display of the hall will display information with low brightness when there is no call, and with normal brightness when the call button of the floor is pressed, thus saving energy and extending the service life.	HIES	⑤	⑤	⑤
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 *27	⑤	⑤	⑤
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 *28	⑤	⑤	⑤
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 *28	⑤	⑤	⑤
ITV cable (for SMOS)	The cable used for video camera equipped with SMOS system.	ITV-S *28	⑤	⑤	⑤
Operation by Emergency Power Source - Completed	A CP signal is outputted after the operation by emergency power source is completed.	OEPS-CP *29	⑤	⑤	⑤
Overload Indication in Car	When the elevator is overloaded, the overload indicator lamp illuminates.	OLHL	⑤	⑤	⑤
Out-of-Service Indication	Indicate the elevator is out of service on the hall.	RESL *17	⑤	⑤	⑤
Group Control Features					
Bank Separation Operation	Separate landing buttons into several groups and provide independent group control, and each group has its own hall calling button.	BSO *30	—	—	⑤
Congested-Floor Service	When temporary congestion occurs due to meeting or other events, the system will try its best to arrange cars to the congested floor.	CFS	—	—	⑤
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	—	—	⑤
Special Floor Forced Stop	Cars passing a certain floor are forced to stop at this floor.	FFS *32	⑤	⑤	⑤
Lunch Time Service	Car assignment can be adjusted to favor canteen or restaurant floor to accommodate the high demand during lunch time.	LTS *33	—	—	⑤
Main Floor Parking	When there is no landing call or car call, the car returns to main floor and parks there.	MFP	⑤	⑤	⑤
Strategic Overall Assignment	For group control elevators, the cars park dispersely at the main station and middle floor.	OHS	—	⑤	⑤
Prevention of Simultaneous Running	This feature prevents simultaneous running within rapid running region of elevators installed in the same well to boost noise in the car.	PRS	—	—	⑤
Peak Traffic Control	To alleviate temporary peak traffic, heavy traffic floors (top floor or main floor) will be given priority service.	PTC	—	—	⑤
Main Floor Changeover Operation	Main floor can be changed by pressing the Changeover switch.	TFS *34	⑤	⑤	⑤
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	—	—	⑤
VIP Service	A specified car can be withdrawn from group service for special VIP service.	VIP-S *35	—	—	⑤

备注

- Optional when the interval of the adjacent floor is no more than 10m.
- It should be provided that the elevator can return from the top floor to the evacuation floor within 60 seconds.
- The consumer provides dry contact signals of normal and emergency power sources respectively as well as dry contact signals for automatic control. These signals must be provided to the control cabinet in the machine room.
- A maintenance contact needs to be signed with Shanghai Mitsubishi Elevator Co., Ltd. Currently not available for overseas market.
- Sign SMOS-II contact with Shanghai Mitsubishi.
- Standard when AS is provided.
- When there is a hoistway safety door.
- When the number of stop is 26 and the SCS-IC is not configured to be applied.
- SCS-IC is not configured to be applied.
- Not configured to be applied.
- NS changeover switch is installed in the operating panel of the main car by default and the name of NS floors must be specified on the non-standard confirmation form.
- The consumer or SMOS-II shall provide a dry contact signal to the control cabinet.
- AMS, MBS must choose one.
- Standard when MBS is provided. Optional when AMS is provided.
- Only one of AAN-S01/S02/S03 can be selected at most.
- Only one of AECG and AECH can be selected.
- Hall function lights including AUL, BPL, EXCL and RESL cannot be more than 2. EXCL is optional when VIP-S is available.
- Standard when HE-B is provided.
- Output signals are UP, DOWN, integrated fault, landing station code signals. The output signal terminals are in the control cabinet in the machine room. Output modes are dry contact and RS485 series communication.
- Standard when DKO-TB is provided.

- See EMDS Product Specifications LEHY-P31; specify the size, installation position and method (external, embedded or wall-mounted) of LCD; if there are two LCDs, specify whether they display the same content at the same time or display different content. Default configuration: the display interface is "Full screen", and the material of external LCD is hairline-finish stainless steel and that of wall-mounted LCD black acrylic.
- See EMDS Product Specifications LEHY-P31; specify the size, installation position and method (external or wall-mounted) of LCD. Default configuration: the display interface is "Full screen", and the material of external LCD is hairline-finish stainless steel and that of wall-mounted LCD black acrylic. The floor where the LCD is installed is the main service floor.
- Standard when FE is provided. *25 Optional when FE is provided. *26 Standard when FER is provided.
- The customer is responsible for the cables from the machine room to the monitoring room and their installation.
- Select ITV-A, ITV-D or ITV-S. When ITV is configured, confirm with the customer about who is responsible for cabling.
- IV-A: The customer is responsible for coaxial cables at the control panel side of the machine room from the monitoring room. The car and the machine room have interfaces of coaxial cables to connect analog video devices.
- IV-D: The customer is responsible for the Ethernet at the control panel side of the machine room from the monitoring room. The car and the machine room reserve Ethernet ports to connect digital video devices.
- VTS: Confirm the camera is analog or digital in SMOS contract.
- If not included in the above specifications, specify it on the non-standard confirmation form.
- Optional when OEPS-SA is provided.
- Bank Operation Service switch is provided by the customer. SMEC provides the port for the switch in the control panel. Specify the group on the non-standard confirmation form.
- Specify the name of congested floor. *32 Specify the name of Forced Stop floor.
- Specify the name of lunchtime service floor.
- The changeover switch is provided by the customer. SMEC provides the port for the switch in the control panel. Specify the name of the second main floor on the non-standard confirmation form.
- Specify VIP Car No and VIP standby floor on the non-standard confirmation form. The floor to install VIP switch is VIP standby floor by default.
- ⑤ Standard ⑥ Optional



Standard Car Dimension 【GB7588-2003】 (rated capacity calculated according to 75 kg per person)

Specification Code	Capacity(kg)	Number of persons	Door Opening Mode	Door *4 Opening Type	Car Dimension (mm) *1*2*3			
					AA × BB	JJ	HL	HH
P04D	320	4	CO、2S	1D1G	850×1100	700*7		
P06W	450	6	CO、2S	1D1G、1D2G	1000×1200	800		
P06D	450	6	2S	1D1G、1D2G	950×1300	800		
P-07	550	7	CO、2S	1D1G、1D2G	1100×1300	800、900		
P-08	630	8	CO、2S	1D1G、1D2G	1100×1400	800、900		
P-11	825	11	CO	1D1G、1D2G	1400×1400	800、900		
			2S			900、1100		
P13W (Wide Car)	1050	13 or 14	CO	1D1G、1D2G	1600×1400	900、1100		
			2S			1100		
P14G (Square Car)	1050	13 or 14	CO	1D1G、1D2G	1600×1500	900、1100		
			2S			1100		
P14D (Deep Car)	1050	13 or 14	CO、2S	1D1G、1D2G	1100×2100	800、900		
P14R (Flat Car) *5	1050	13 or 14	2S	1D1G	2100×1100	1300		
P16W	1200	16	CO	1D1G、1D2G	1800×1450	1000		
P16G	1200	16	CO	1D1G、1D2G	1500×1800	900	*6	*6
P16D	1200	16	CO	1D1G、1D2G	1300×2100	1000		
P18G	1350	18	CO	1D1G、1D2G	2000×1500	1100		
P18D	1350	18	CO	1D1G、1D2G	1600×1800	1000		
P21W	1600	21	CO	1D1G、1D2G	2100×1600	1100		
P21G	1600	21	CO	1D1G、1D2G	2000×1750	1100		
P21L	1600	21	CO	1D1G、1D2G	1600×2100	1000		
P21D	1600	21	2S	1D1G、1D2G	1400×2400	1100		
P24W	1800	24	CO	1D1G、1D2G	1800×2100	1200		
						1500×2500		
P24D	1800	24	CO/2S	1D1G	2000×2100	1200		
						1D2G		
P26W	2000	26	CO	1D1G	2000×2100	1200		
P26D	2000	26	CO/2S	1D1G	1500×2700	1200		
P-30	2250	30	CO	1D1G、1D2G	2100×2100	1200		
P-33	2500	33	CO	1D1G、1D2G	2100×2300	1200		

Notes:

- *1: JJ increment must be in unit of 50 mm.
- *2: For P14R, the car dimension cannot be changed.
- *3: Except Note 2, see standard civil engineering drawing LEHY-II-MRL-502 for non-standard car dimensions and submit them for technical confirmation.
- *4: Technical confirmation is required for 2D2G.
- *5: P14R is non-standard car specification and required technical confirmation. JJ = 1300 (2S), only applicable to P14R.
- *6: See the following table for Car Internal Height (HL) and Clear Entrance Height (HH).
- *7: JJ = 700 is applicable to 320 kg; technical confirmation is required for other specifications.

Car Internal Height and Door Open Height *1

③ Standard ④ Optional ⑤ Requires confirmation or non-standard design

Ceiling Model [Ceiling thickness]	Hoistway Section Layout (mm) *2		Door Open Height HH (mm) *2									
	Car Internal Height HL	Canopy Height HC	2000		2100		2200		2300		2400	
			CO	2S	CO	2S	CO	2S	CO	2S	CO	2S
ZCL-SN03 ZCL-SS07 ZCL-CN01 [100mm]	2200	2300	④	③	—	—	—	—	—	—	—	—
	2300	2400	④	③	⑤	—	—	—	—	—	—	—
	2400	2500	④	③	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤
	2500	2600	④	③	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤
	2600	2700	④	③	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤
	2700	2800	④	③	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤
≤3300 *5	≤3400 *5	④	③	—	④	—	④	—	④	—	④	—
ZCL-SS06/SS08/CN08 ZCL-GN02/GN03/GN04 ZCL-GN05/DS12/DS13 ZCL-GS06/GS08/GS16 [200 mm]	2200	2400	④	③	—	—	—	—	—	—	—	—
	2300	2500	④	③	⑤	—	—	—	—	—	—	—
	2400	2600	④	③	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤
	2500	2700	④	③	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤
	2600	2800	④	③	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤
	≤3200 *5	≤3400 *5	④	③	—	④	—	④	—	④	—	④

Car Internal Height and Clear Entrance Width *1

③ Standard ④ Optional ⑤ Requires confirmation or non-standard design

Ceiling Model [Ceiling thickness]	Car Internal Height HL	Clear Entrance Width JJ (mm) *3					
		CO *6			2S *4		
		700、750	800	900~1200	700、750	800	900~1300
ZCL-SN03 ZCL-SS07 ZCL-CN01 [100mm]	≤2300	③	③	③	③	③	③
	≤2400	—	③	③	—	③	③
	2500	—	④	④	—	④	④
	2600	—	④	④	—	④	④
≤3300 *5	—	④	④	—	—	—	
ZCL-SS06/SS08/CN08 ZCL-GN02/GN03/GN04 ZCL-GN05/DS12/DS13 ZCL-GS06/GS08/GS16 [200 mm]	≤2200	③	③	③	③	③	③
	≤2300	—	③	③	—	③	③
	2400	—	④	④	—	④	④
	2500	—	④	④	—	④	④
≤3200 *5	—	④	④	—	—	—	

Notes:

- *1: This table is not applicable to glass doors or fire doors; technical confirmation is required if out of the scope.
- *2: HL and HH increment must be in unit of 100 mm; technical confirmation is required if out of the scope.
- *3: JJ increment must be in unit of 50 mm; this table is only applicable to HH 2400 or more.
- *4: JJ = 1300 (2S), only applicable to P14R.
- *5: The specifications are only applicable to CAP > 1050 kg and CO.
- *6: JJ = 1200 (CO), only applicable to (AP) > 1050 kg.

Item	Specifications					Notes
Speed(m/s)	0.63	1.0	1.75	2.0	2.5	
Capacity(kg)	320	320				
	450	450				
	550	550				
		630	630			
		825	825			
		1050	1050	1050	1050	
		1200	1200	1200	1200	
		1350	1350	1350	1350	
		1600	1600	1600	1600	
		1800	1800			
	2000	2000				
	2250	2250				
	2500	2500				
Max Num. Stops	11	18	28	32	32	
Lifting Height TR (m)	3.4~30	3.4~55	7.3~80	9.1~120	13.3~120	
Operation Mode	1C-2BC					1D1G Optional when the group control method is 2C~4C~ ITS-21.
	2C-SM21					
	2C, 3C, 4C~ITS-21					
Control Mode	VFH-LA VVVF, micro-computer data network control system					
Roping	2 : 1					
Traction Machine	PM synchronous traction machine					
Support mode of the traction machine	supported by guiderails					
Machine room	top of hoistway (machine-room-less)					
Door Opening Mode	Center opening					
	Two panel sliding					
Door drive mode	VVVF (PM door operator)					
Door Opening Type	1D1G					Standard
	1D2G/2D2G					Nonstandard
Dynamic Power	380V 50Hz 3 phases, 5 lines					
Lighting Power	220V 50Hz Single-phase					
CWT Position	Side					
CWT Safety Gear	Not provided, Provided					
* Min. Landing Height (mm)	2800					Concrete nosing will be provided by the customer; HH=2100, HL=2200
	2600					Steel nosing will be provided by the Seller. HH=2100时HL=2200
Landing Display Range (Standard)	-5~48, 1B, 2B, 3B, 4B, 5B, A, B, B1, B2, B3, B4, B5, B6, C, D, E, G, G1, G2, G3, GF, H, K, L, L1, L2, L3, LB, LG, M, M1, M2, M3, M4, M5, M6, MB, P, P0, P1, P2, P3, P4, P5, PB, PH, PL, PP, R, R1, R2, R3, S, S1, S2, S3, S4, S5, T, UB, UG					1. When wall-mounted hall position indicator (ZPlx-GB10 /ZPlx-GB20) is used, D, K and T floors cannot be displayed. 2. When segment LCD is used, three-digit floor name cannot be displayed (e.g. 12.1, 12.2, 22.1, 22.2, 13F). 3. The display range of hall position indicator of one car can only be included in Table A or Table B; if it is in both Table A and Table B at the same time (some in Table A and some in Table B), technical-confirmation is required.
Landing Display Range (Non-standard: out of the above scope)	-5~48, 1B, 2B, 3B, 4B, 5B, A, B, B1, B2, B3, B4, B5, B6, C, D, E, G, G1, G2, G3, GF, H, K, L, L1, L2, L3, LB, LG, M, M1, M2, M3, M4, M5, M6, MB, P, P0, P1, P2, 15A, 12.1, 12.2, 22.1, 22.2, 2A, 19A, 1A, 13F, 3F, F1, F2, 22A, RC, 4A, 15B, 13B, F, D1, D2, 1M, 2M, 3M, 3A, 5A, 12A, 12B, 13A, 23A, 16A, 16B, 17A					



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