

Shanghai Mitsubishi Elevator Co., Ltd.

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用途
人数
载重
乘用
21人
1600kg



www.smec-cn.com



Specifications subject to change without notice
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Comprehensive upgrade, Innovation with breakthrough.
Lead new trend of compact machine room elevator.

LEHY-III
Compact Machine Room Passenger Elevator

Comprehensive Upgrade, Innovation with Breakthrough

Founder of Comfort Elevator Technique

LEHY-III inherits the outstanding performance of LEHY-II, leads the new trend of compact machine room elevator in the future with breakthrough techniques and innovations. After the innovation of "Variable Voltage Variable Frequency (VVVF) Speed Regulating Control Technique" and "Permanent Magnetic (PM) Synchronous Traction", Shanghai Mitsubishi promotes new generation of LEHY-III series compact machine room elevator. LEHY-III adopts multiple nationwide or worldwide advanced techniques, standing a new banner focusing on safety, comfort and technology.

Advanced Intelligence

Unparalleled Comprehensive Upgrade

Inheriting the technique advantage of last generation LEHY series compact machine room, LEHY-III introduces various advanced technologies: 5 breakthroughs, 6 innovations.

Economic Technology

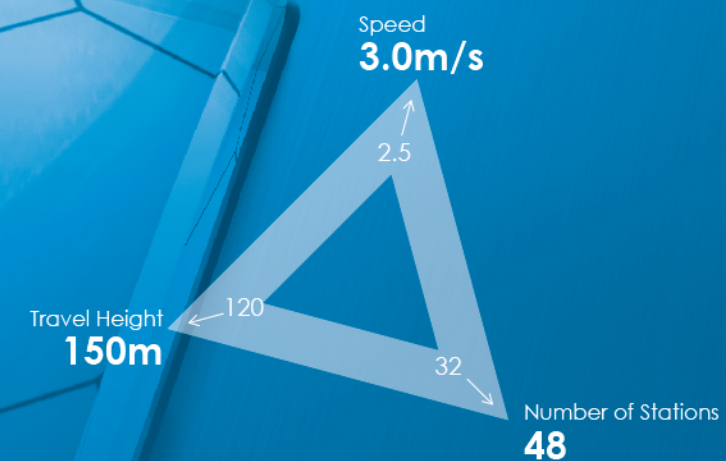
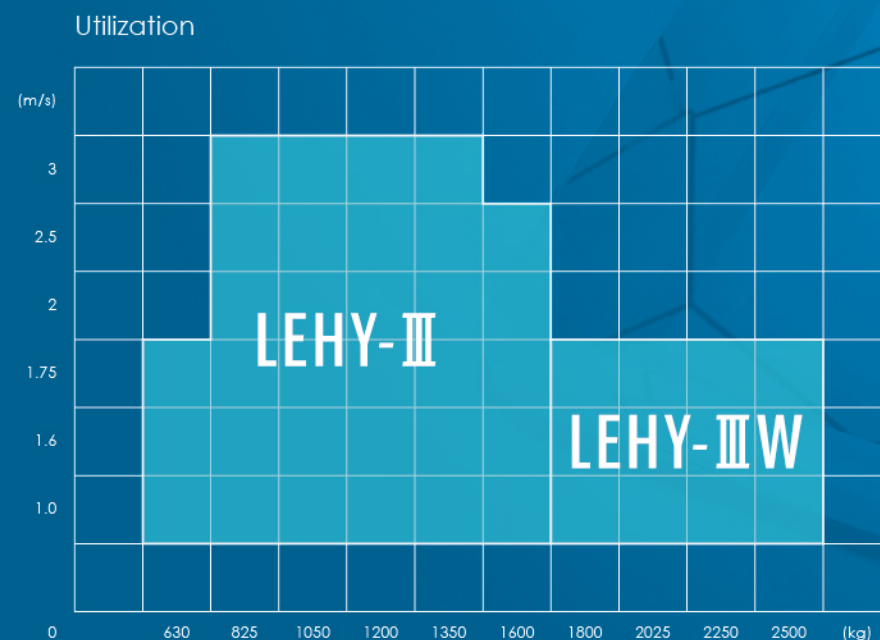
Energy-efficient and Environment Friendly, Last to the Future

Use fresh-new gearless traction machine driven by PM motor, comprehensively upgrades the system efficiency, meanwhile it lowers the energy consumption; based on double PWM modulated energy feedback technique, lowers pollution and energy consumption simultaneously, lead the green future.

Human Oriented

Unprecedentedly Comfort Experience

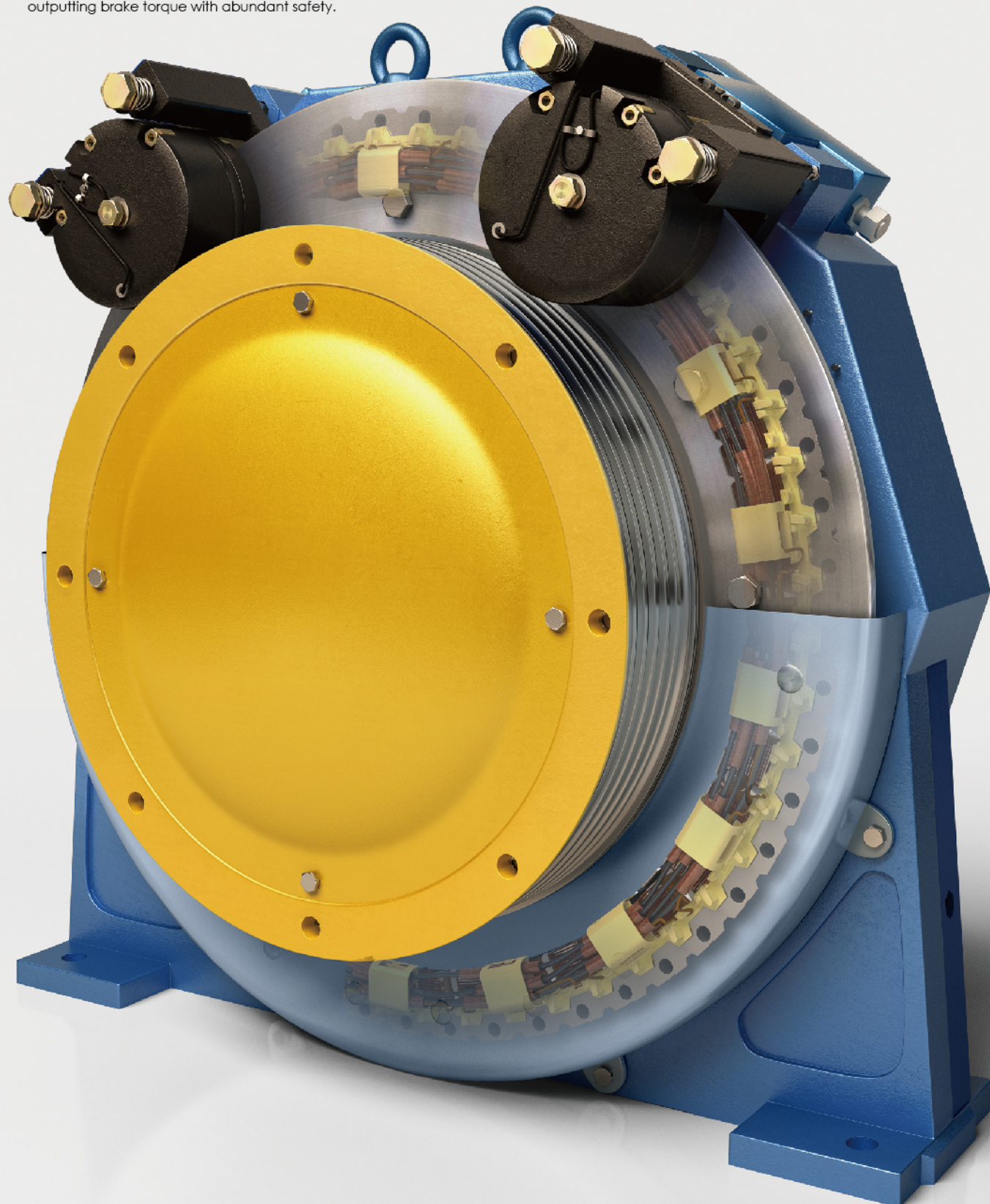
Utilize advanced artificial intelligence, achieve unprecedented precise and comfortable riding; various luxury decoration components and multiple new materials are available, and it is also possible to provide our clients the customized system.



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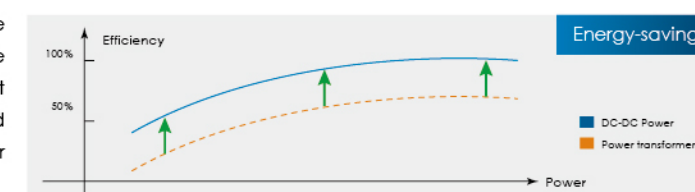
Traction Machine Absolute Upgrade

The new generation PM synchronous traction machine with high performance uses high quality rare earth material and PM body positioning technique with high precision, meanwhile it comprehensively uses motor techniques such as separate punching and riveting iron core and auto integral coil, which not only makes traction machine output more efficiency, less energy consumption, more peaceful and stable, but also makes traction machine has shorter axle distance and more compact structure; The latest large-scale brake plate and disk brake with low noise are adopted, which are safer, more reliable and more durable, ensuring that brake noise can be significantly reduced while outputting brake torque with abundant safety.

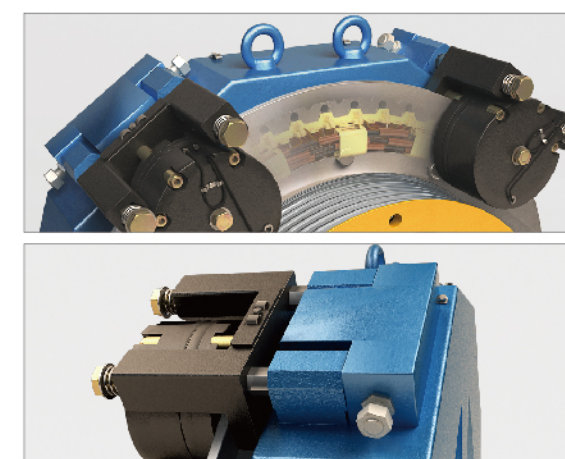


All-digit Intelligence Power System

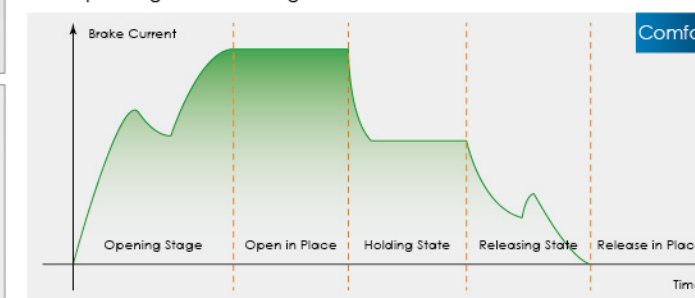
It utilizes all-digit control intelligent DC-DC power as the substitution for three-phase power transformer to provide power for elevator control system. New power system is not only more stable and reliable, invulnerable to grid fluctuation, but also consume less energy, with higher efficiency and more comprehensive protection.



Mute Brake Control Technology

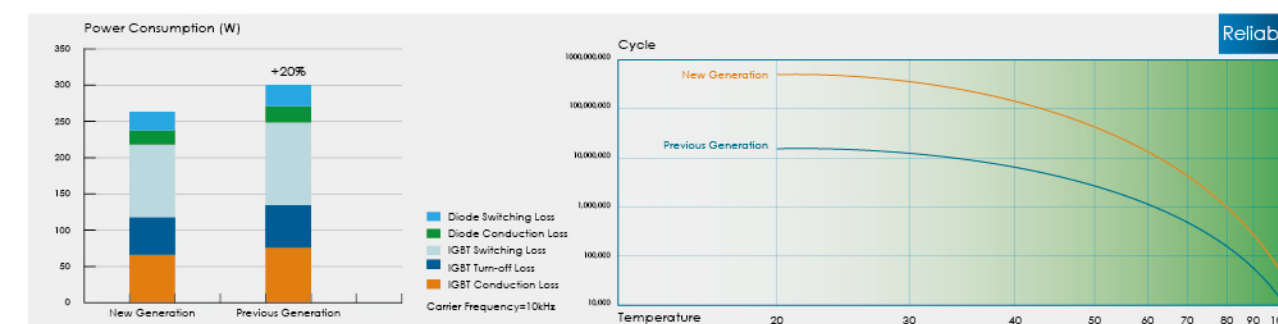


Compared to traditional open-loop voltage control, more accurate closed-loop current control mode is now employed to control the action speed and braking torque at all stages of the brake. This has remarkably reduced the noise from the brake during action and improved the comfort of the passengers while taking the elevators.



The Latest Generation of High-power Module

Take the lead in employing the sixth generation of high-power module system in the industry. Multiple fast protection circuit can better protect the power module, further improving the reliability of the drive system. Meanwhile, the drive control circuit of power module connects with the power module by direct plugging, further enhancing the system's anti-jamming ability.



High-performance and Intelligent CPU Control System

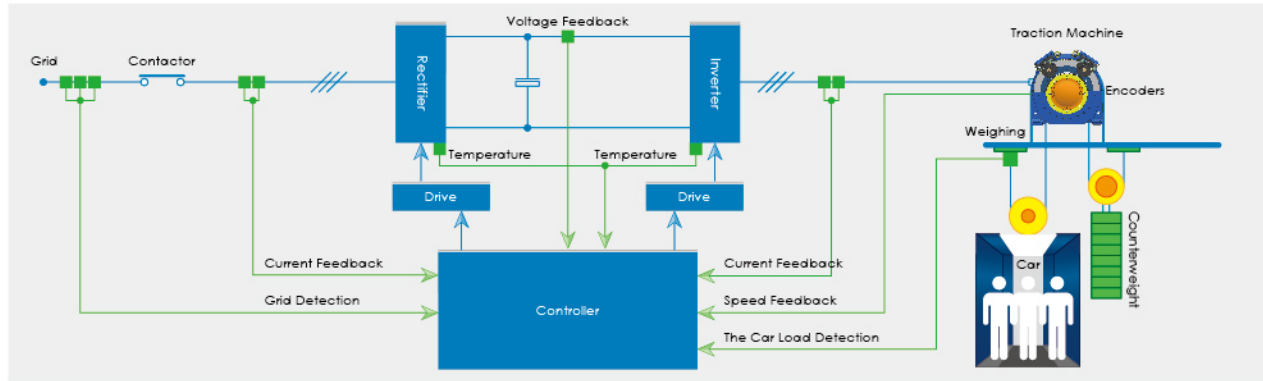
Apply new generation of high-performance CPU technology and PCB system architecture and realize elevator's main control system with multi-chip architecture of motor drive, elevator control management, elevator communication and FPGA logic control. Cooperation work of multiple CPUs has greatly improved the elevator system performance. The redundancy protection with multiple CPUs and the FPGA hardware monitoring have improved system stability and security.



Reliable and Comfortable

AC VVVF Speed Regulation Control Technology, Full Digital Control Technology

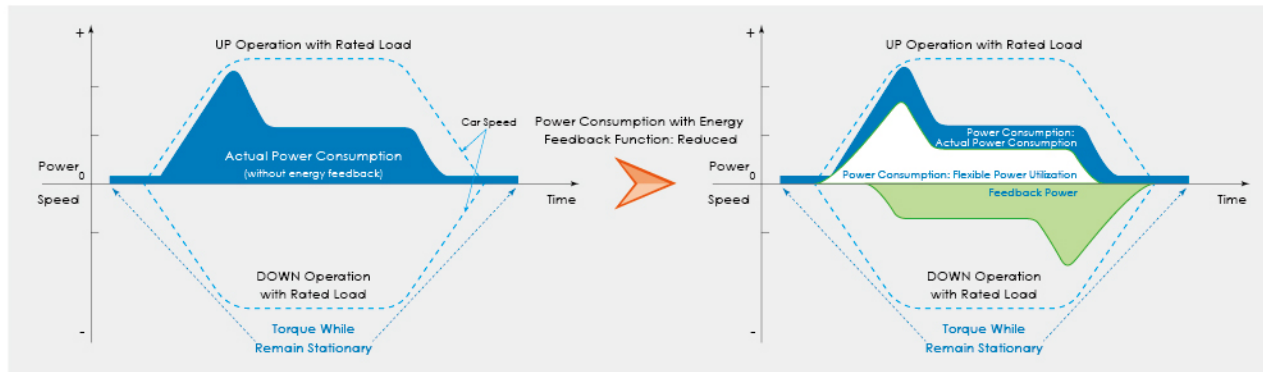
Adhering to the philosophy of steadily and slowly releasing of profound knowledge and constantly using latest technologies and components in VVVF drive of elevators enable Shanghai Mitsubishi VVVF speed regulation technology to develop rapidly toward high performance, high reliability, digitization and miniaturization. Employing space vector pulse width modulation (SVPWM) technology to realize elevator speed regulation, taking the lead in adopting international latest sixth generation of high-power module, 32-bit high speed digital signal controller (DSC) and large scale integrated circuit and other advanced electrical components, enabling the elevator to accurately regulate the motor rpm completely according to optimum speed variation curve and operate following the perfect speed curved optimized according to modern ergonomics principle. These have realized full digital control and motor drive in true sense and enabled the elevator run smoothly, safely and efficiently.



Green and Energy-saving

Energy Feedback Technology (Optional)

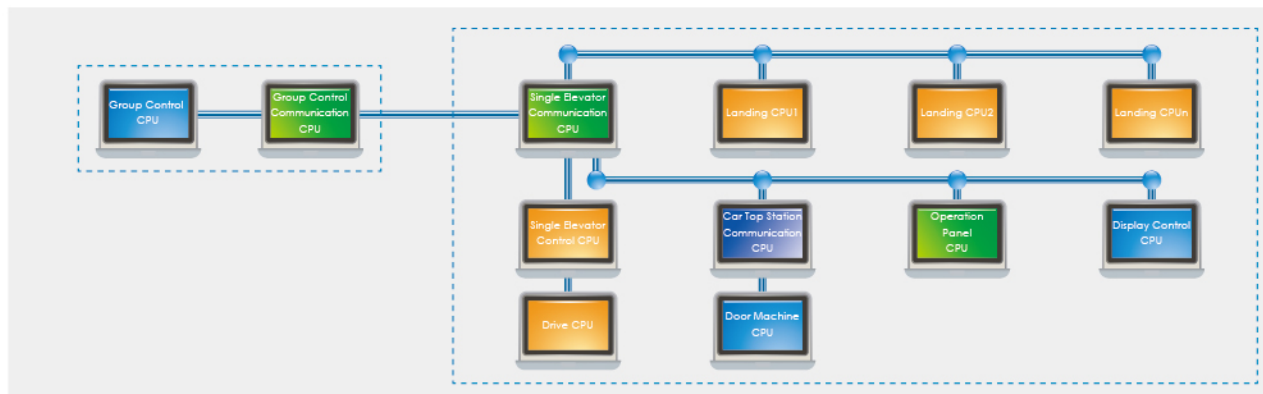
Highly energy-saving energy feedback technology based on dual-PWM control can feed the renewable green electric energy, which was consumed through energy consumption resistors, back to the grid without pollution. This can save more than 30% energy compared to common VVVF elevators on average, and so to meet relevant national power quality standards.



High-speed Network

Data Network Control Technology

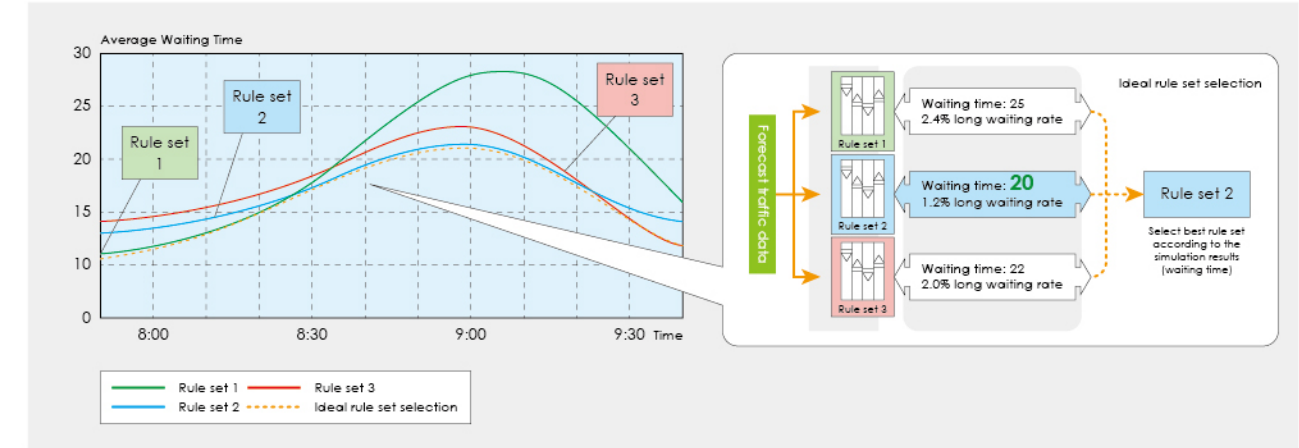
Data network control technology based on CANBUS (Field bus) features high communication rate, large data volume. Independent microprocessors are used separately in elevator car command controller, floor indicators inside the car, door machine controller, each landing button and floor indicators and various subsystems. The communication between the various subsystems needs only a few signal lines. This has greatly improved system reliability, electromagnetic interference immunity and flexibility, and reduced the maintenance costs.



Efficient Group Control

Intelligent Group Control System (Optional)

ITS-21, ITS-2100 group control systems use a high-performance CPU processor for computing and achieving high-speed processing of complex algorithms. High-speed data network has effectively improved the system throughput and scalability. Expert system, fuzzy logic technology and neuron technologies are adopted. Dispatching plan can be given in an intelligent way according to different traffic conditions. This can substantially reduce passengers' waiting time and riding time and reduce elevator operation energy consumption throughout the building by reducing invalid elevator operation.



Innovative Operation

Destination Forecasting System (Optional)

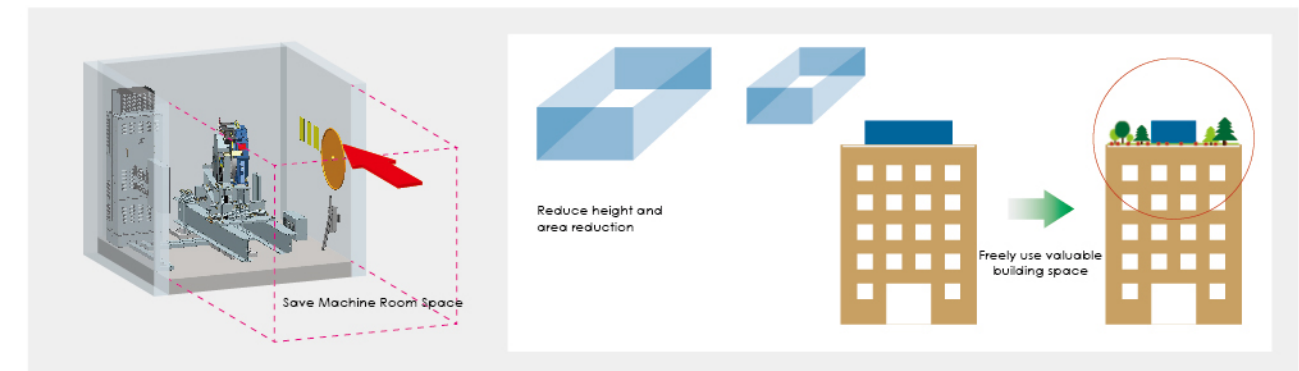
Greatly improve the utilization rate of elevators and reduce passengers' average waiting time through the efficient destination forecasting system. After a passenger has pressed the floor button he/she wish to go at the landing, the destination forecasting system will inform the passenger to take a specified elevator, and the passenger can then wait before the specified elevator. After the elevator has arrived, the passenger does not need to press the button for the destination floor inside the car, and the elevator will automatically register and go to the destination floor.



High Adaptability

Really Small Machine Room Design

LEHY-III adopts really small machine room design with the machine room size equal to shaft. This saves machine room space, improves building utilization rate, allows more free building design, and compared to traditional machine room, provides more convenient and safe maintenance of the traction machine, control cabinet, over speed governor and other components.



Universal Decoration System

A new generation of Decoration system

LEHY-III

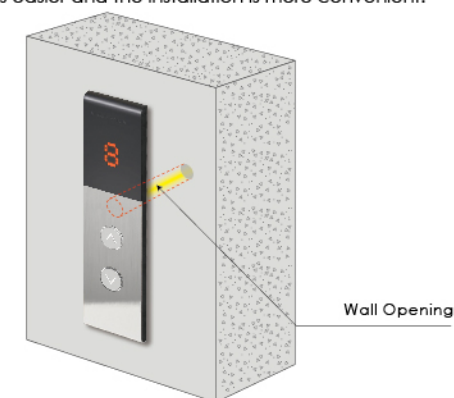
A new Generation of Decoration System

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.

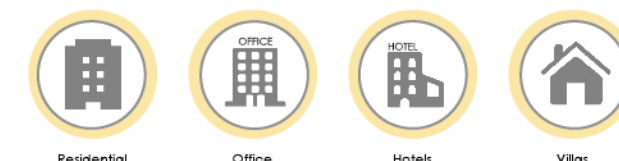


Easily Recognizable Micro-light Buttons

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

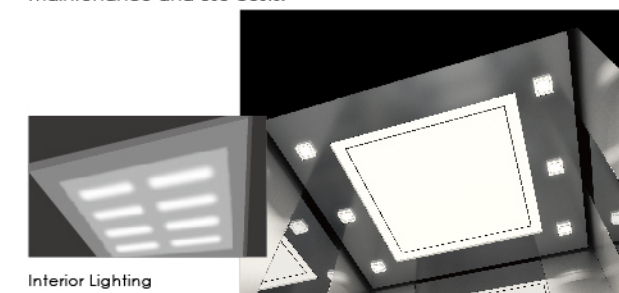


The brand new designed integrated cars apply to a majority of architectural occasions, providing various styles and satisfying diversified customer requirements:

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

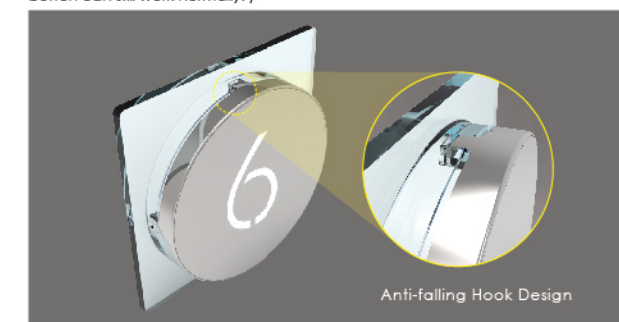
Energy Saving and Environment Friendly LED Lighting

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.



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.)



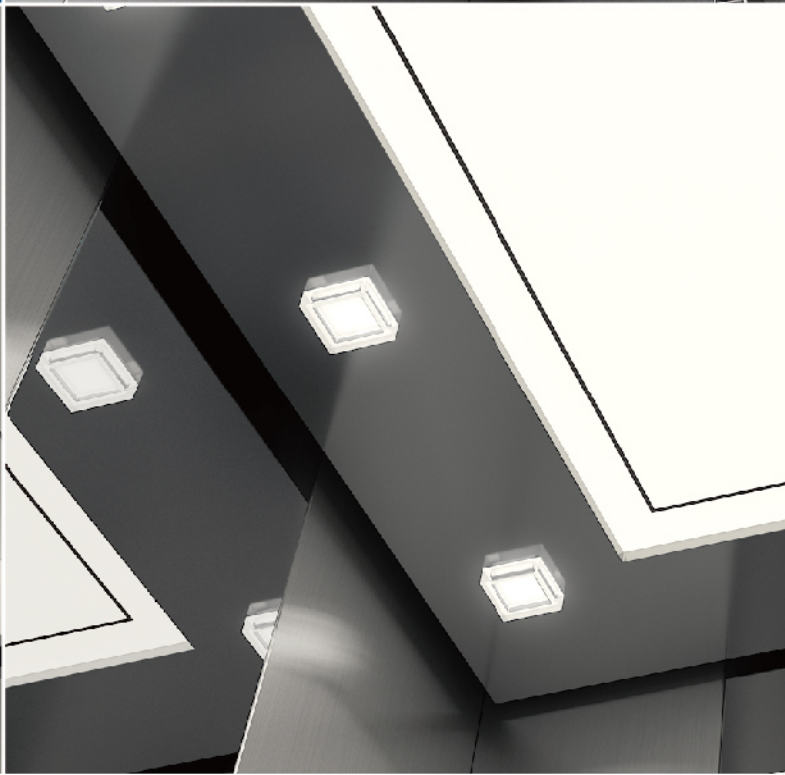
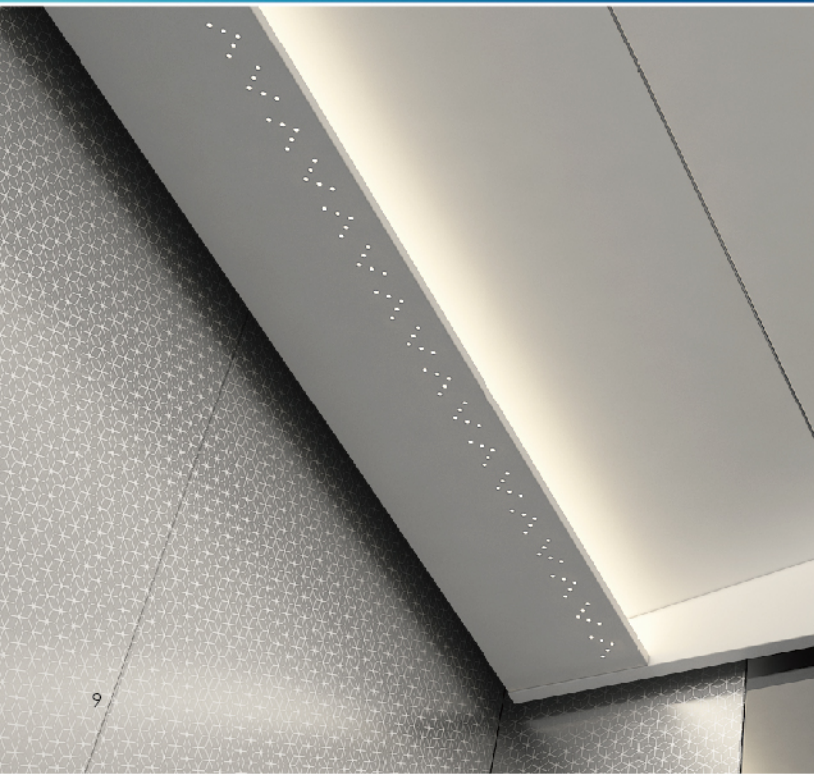
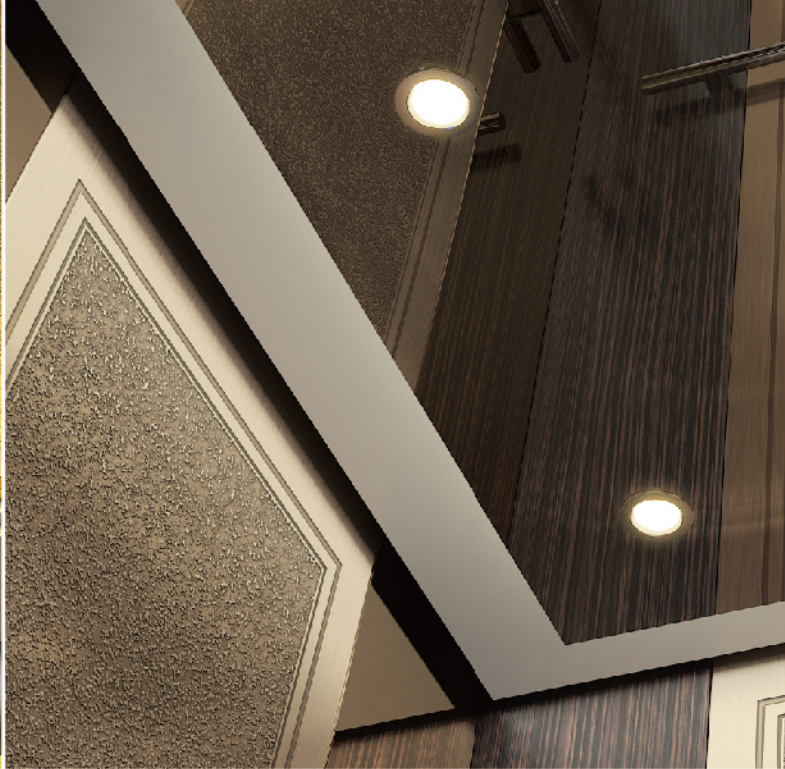
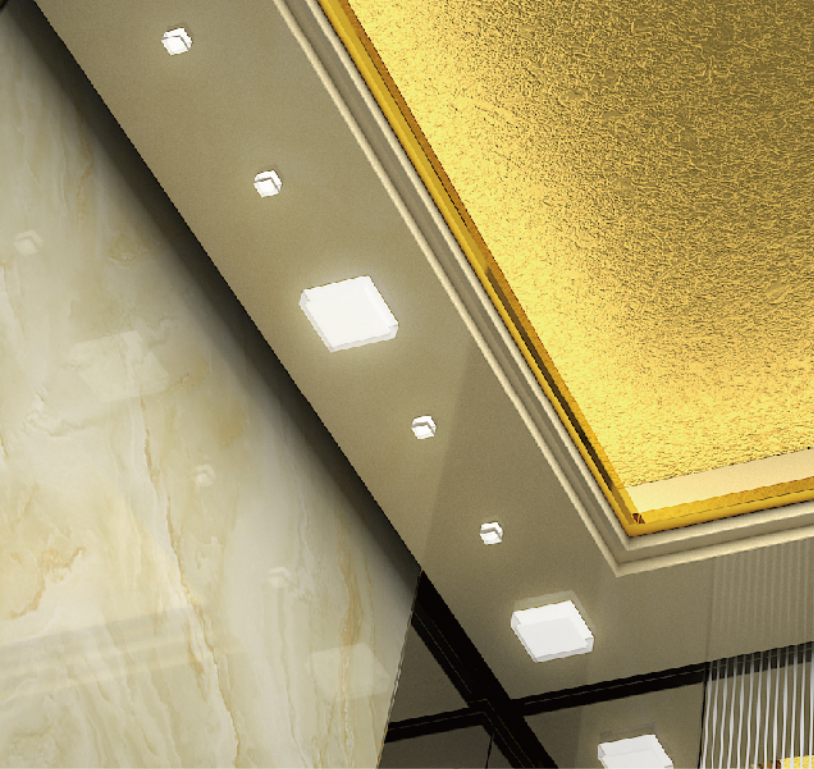
General

Design

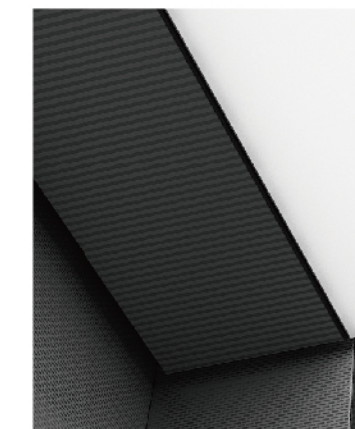
Functions

Civil

Specifications



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)



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)



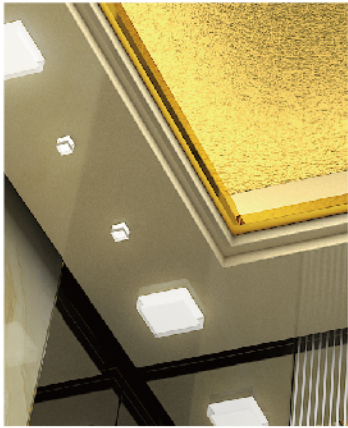
New Classics



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)

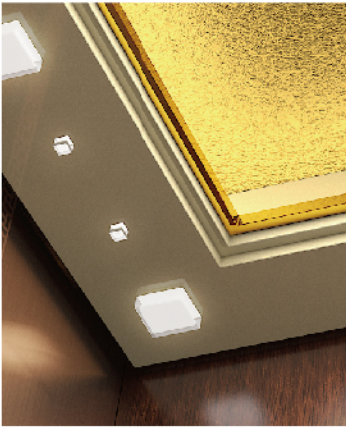
Modern Luxury



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



Modern Chinese



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 Simple



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)



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)

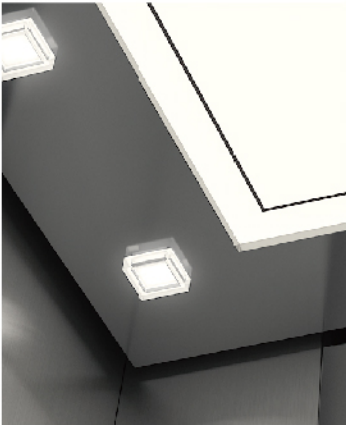
Natural and Elegant



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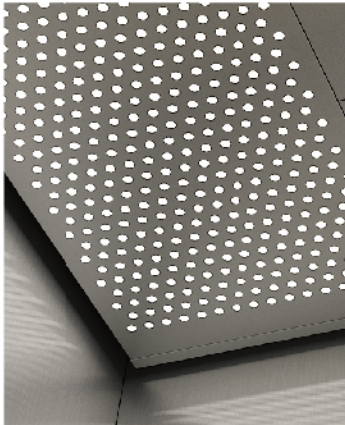
- Jintai Cabinet / ZCD-025G** LED
- Car Ceiling**
ZCL-GS06
- Operation Panel**
ZCBA14-C510
(Hairline Panel) (Can select other models)
- Wheel Chair Operation Panel**
ZCBA04-F110 (Mirror Panel)
- Front Wall**
Hairline Stainless Steel
- Side Walls and Back Wall**
Two-side Hairline Stainless Steel
Central 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** LED
- 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



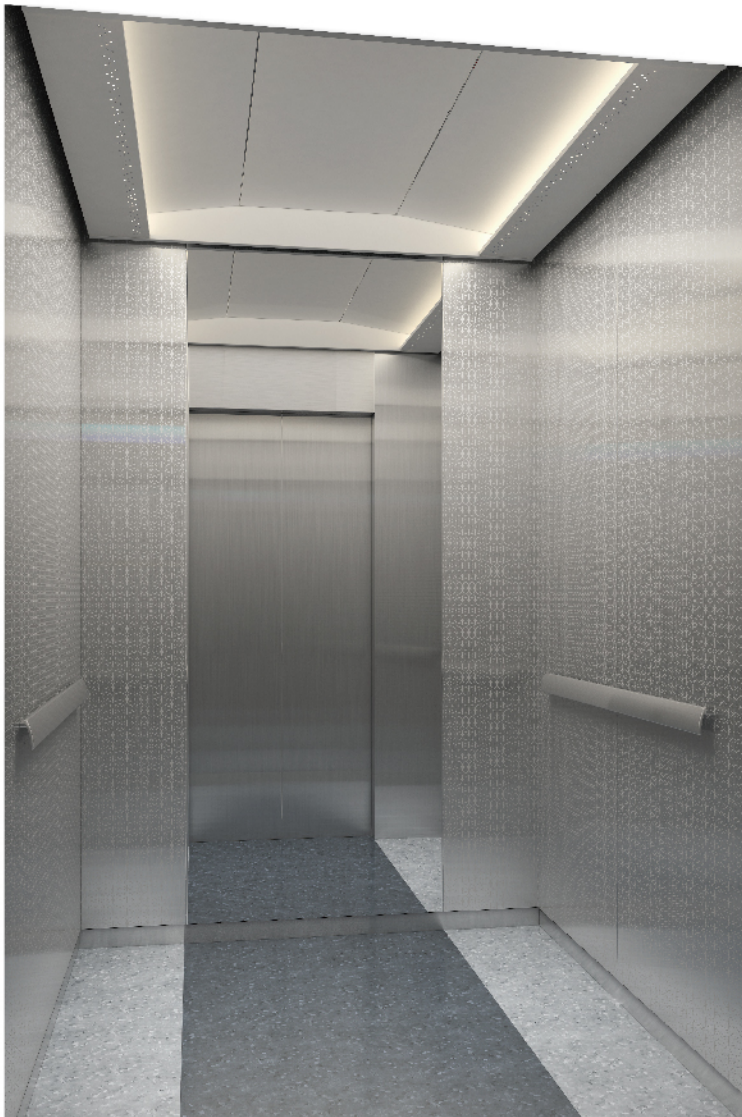
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Modern Urban



- 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 Luxury



- 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)



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)



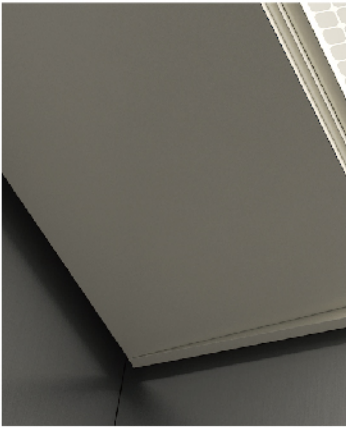
- Haoyue Court / ZCD-021T** LED
- Car Ceiling**
ZCL-SS07 (Color code: Y033)
- Operation Panel**
ZCBA11-C510 (Hairline Stainless Steel) (Can select other models)
- Car Walls**
Hairline Stainless Steel
- Car Door**
Hairline Stainless Steel
- Lintel**
Hairline Stainless Steel
- Mirror**
Half-height Mirror
- 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)



Modern Simple



General

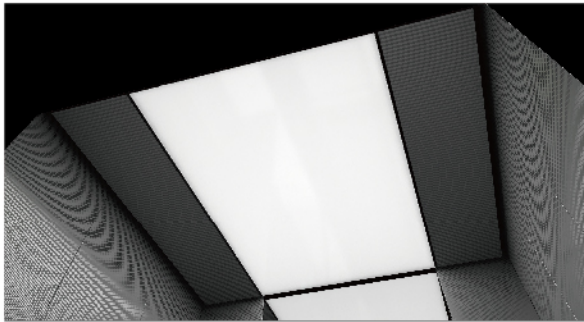
Design

Functions

Civil

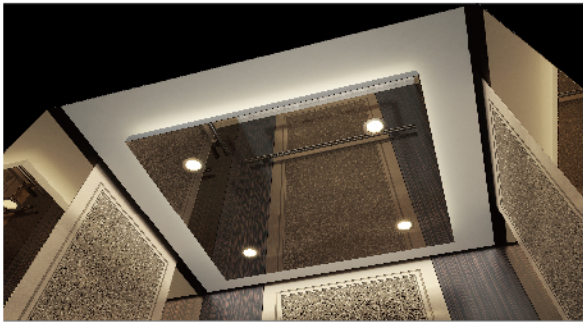
Specifications

ZCL-DS12 (Optional)



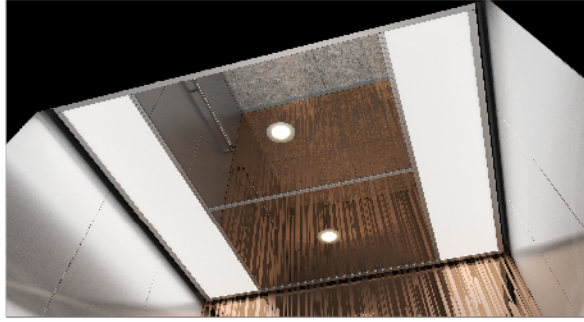
Lighting: central direct lighting;
Material: central imported high-grade white translucent soft film, two-side hairline etched black-plated titanium stainless steel;
Thickness: 200mm

ZCL-GS08 (Optional)



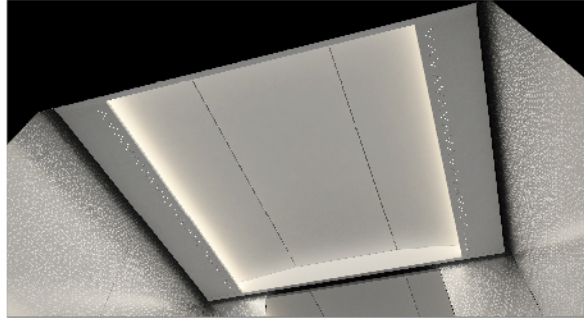
Lighting: ambient floodlight lighting, central down light direct lighting;
Material: central mirror stainless steel, ambient Painted steel plate (color code: Y033);
Thickness: 200mm

ZCL-GN03 (Optional)



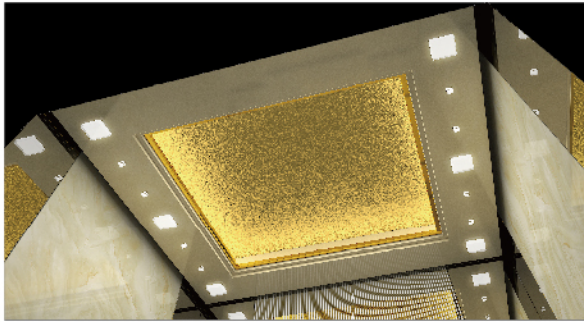
Lighting: central down lamp lighting; two-side lighting board lighting;
Materials: central mirror acrylic lighting board, two-side milk white acrylic lighting boards, aluminum alloy frame;
Thickness: 200mm

ZCL-SS06 (Optional)



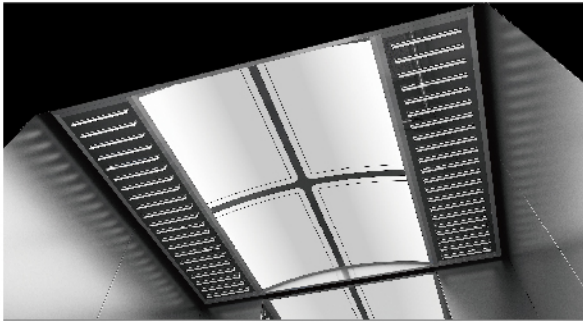
Lighting: two-side warm floodlight lighting;
Material: Painted steel sheet ceiling plate (color code: Y033);
Thickness: 200mm

ZCL-GS16 (Optional)



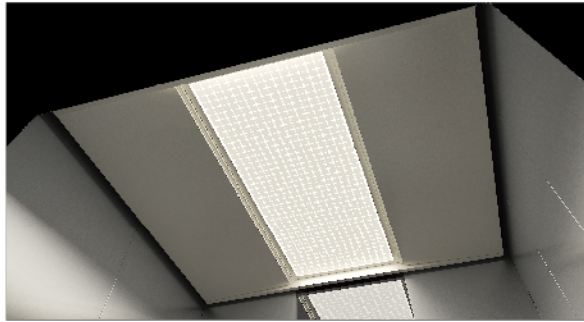
Lighting: central floodlight key lighting; two-side auxiliary lighting;
Material: central floodlight gold foil, ambient Painted steel sheet (color code: Y033, if other colors are in need, select in accordance with the color panel palette of Shanghai Mitsubishi), two-side acrylic crystal hanging pieces;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

ZCL-DS13 (Optional)



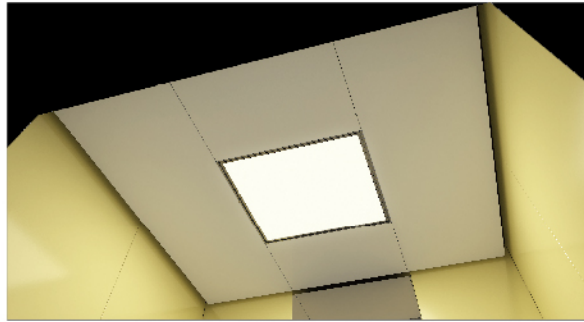
Lighting: central direct lighting; two-side auxiliary lighting;
Material: arched milk white printed acrylic lighting boards, two-side acrylic crystal hanging pieces, stainless steel frame;
Thickness: 200mm

ZCL-SS08 (Optional)



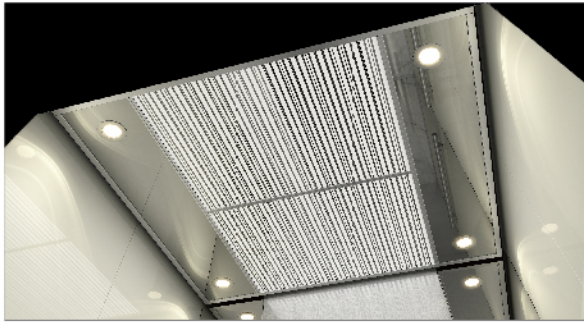
Lighting: central direct lighting;
Material: central milk white printed lighting board, two-side coating steel sheet (color code: Y033, if other colors are in need, select color in accordance with Shanghai color palette)
Thickness: 200mm

ZCL-SN03 (Optional)



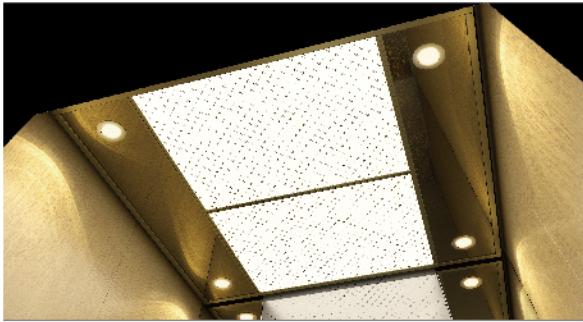
Lighting: central direct lighting;
Material: central milk white light guide plate, peripheral coating steel sheet ceiling (color code: Y033, if other colors are in need, select color in accordance with Shanghai color palette)
Thickness: 100mm

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)



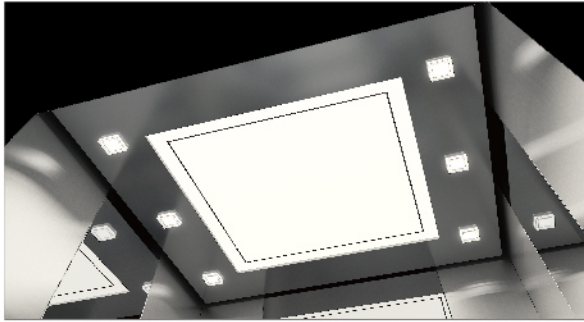
Lighting: central direct lighting; two-side down lamp lighting;
Materials: central milk white printed acrylic lighting board, two-side golden mirror acrylic panel, aluminum alloy frame;
Thickness: 200mm

ZCL-SS07 (Optional)



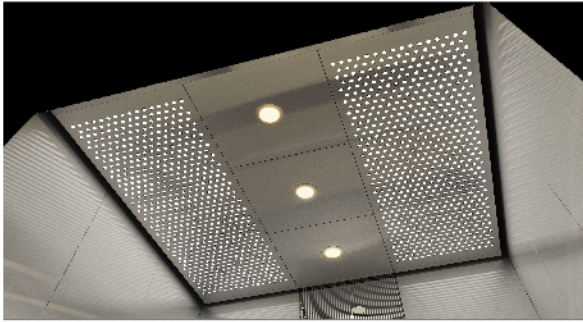
Lighting: down light direct lighting;
Material: coating steel sheet ceiling (color code: Y033, if other colors are in need, select color in accordance with Shanghai color palette)
Thickness: 100mm

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)

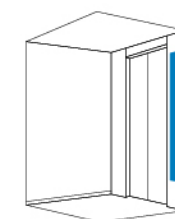
By others. (ceiling thickness 200mm).

Human-machine Component Design

Car Operation Panel

LEHY-III

Front Wall Half Height Operation Panel



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)



Amber LED, classic and durable.

Stainless Steel Panel

The buttons are exchangeable. The figure shown is A12 button.

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



5.7" TFT LCD, *3 fine and vivid.

Stainless Steel Panel

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

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

Note:

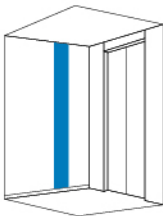
*1 Configurable when front wall width ≥ 250 mm.

*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.

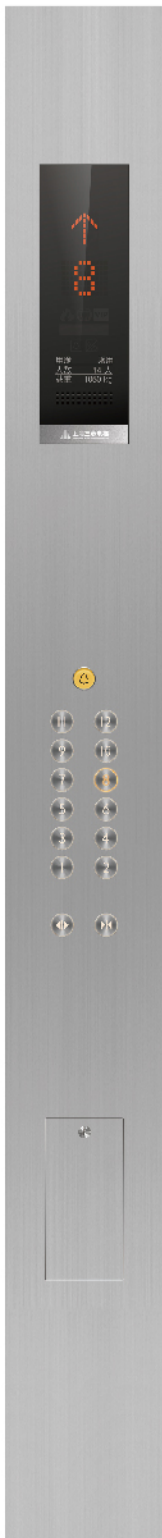
*3 Please refer to Page 35 for LCD.

Pictures of computer painting may slightly differ from the actual. 26

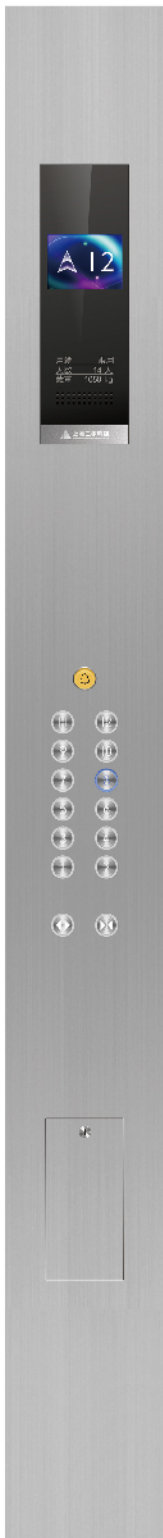
Side Wall Full-height Operation Panel



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

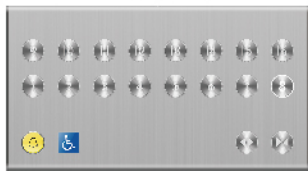
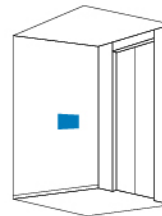


ZCB-R130
ZCB-R180
Amber LED, classic and durable
Stainless Steel Panel
The figure shown is A04 button *1



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

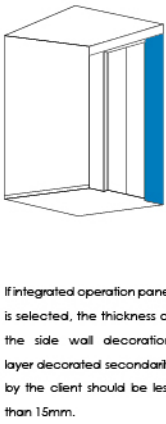


ZCB-F131
ZCB-F181
Comply with GB/ T24477 Standard

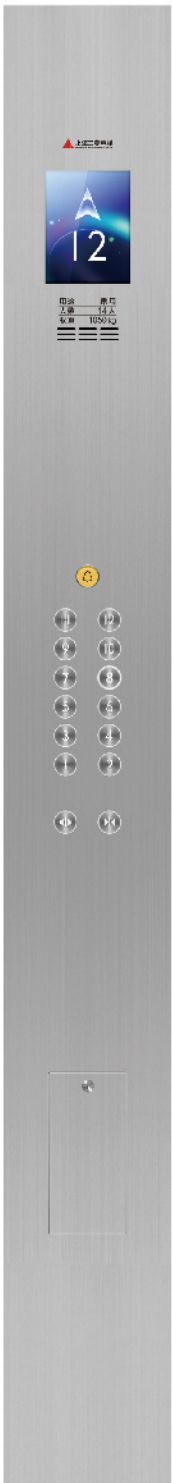
Note:
*1 Configurable when front wall width <250mm.
*2 The symbol ■ represents the button model, please select button from Page 32.
*3 Please refer to Page 35 for LCD.

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.

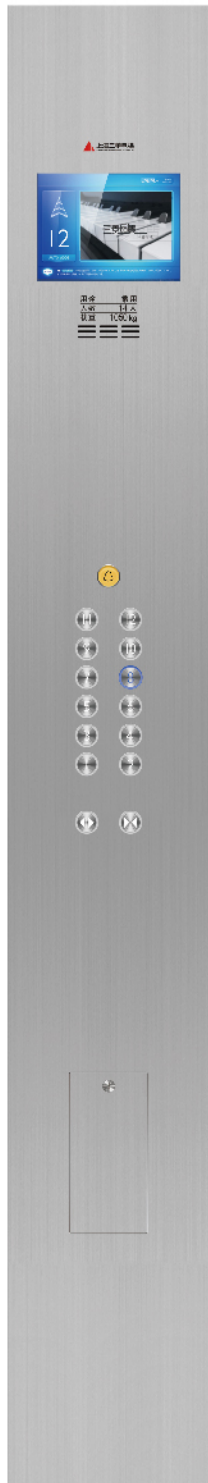
Front-wall Integrated Operation Panel



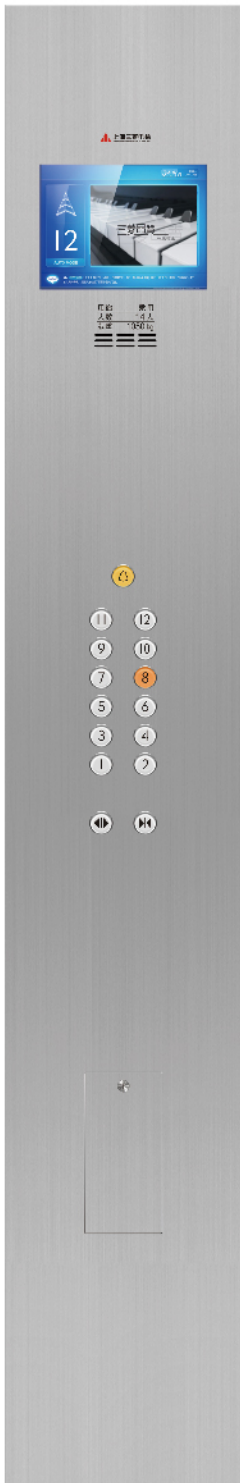
If integrated operation panel is selected, the thickness of the side wall decoration layer decorated secondarily by the client should be less than 15mm.



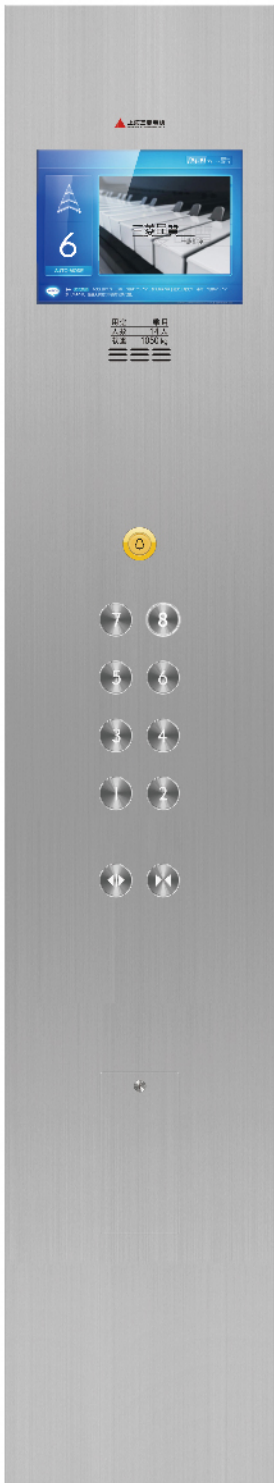
ZCB-T310
ZCB-T360
(Configurable when front wall ≥ 300)
8.4" TFT LCD
Stainless Steel Panel
The figure shown is A11 button.



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
ZCB-T860
(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.

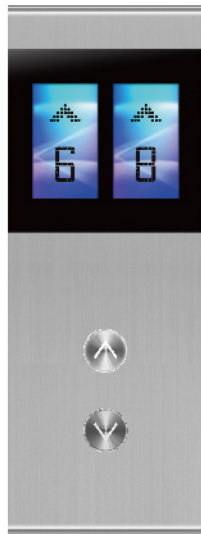
Wall-mounted Landing Call (Without Bottom Box) *2

4.3" Color Segmented LCD




ZPI-GB10
Stainless Steel Panel
Without Bottom Box
The figure shown is A11 button

4.3" TFT LCD



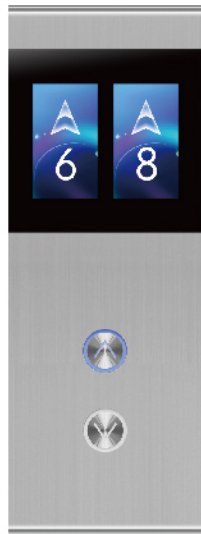
ZPI-GB20
Stainless Steel Panel
Without Bottom Box
The figure shown is A11 button

4.3" Color Segmented LCD




ZPI-GA10
Stainless Steel Panel
Without Bottom Box
The figure shown is A23 button

4.3" TFT LCD



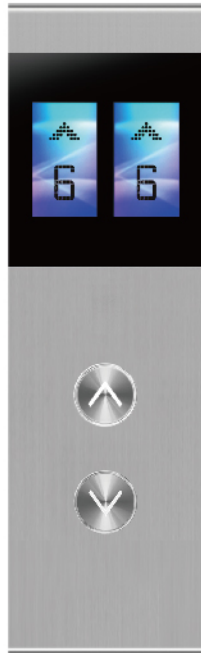
ZPI-GA20
Stainless Steel Panel
Without Bottom Box
The figure shown is A23 button

4.3" Color Segmented LCD



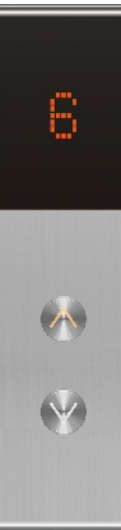
ZPI-GB10
Stainless Steel Panel
Without Bottom Box
The figure shown is A24 button

4.3" Color Segmented LCD



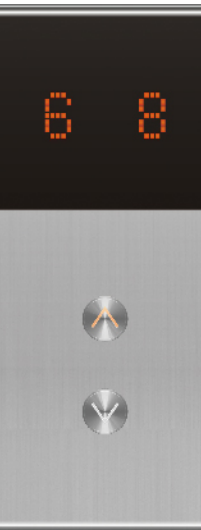
ZPI-GB20
Stainless Steel Panel
Without Bottom Box
The figure shown is A24 button

LED Dot Matrix Display



ZPI-G110
Stainless Steel Panel
Without Bottom Box
The figure shown is A09 button

LED Dot Matrix Display



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

A11
White Light / Flat Words

A12
Orange Light / Flat Words

A13
Blue Light / Flat Words

A14
White Light
Protruded Words with Braille

A15
Orange Light
Protruded Words with Braille

A16
Blue Light
Protruded Words with Braille

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 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 1024×768



Classic A



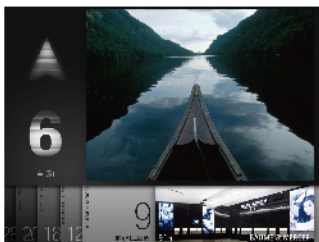
Classic B



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



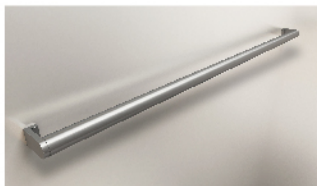
ZYH-SH01
Stainless Steel Leaning Handrail



ZYH-FH10
Stainless Steel Flat Handrail



ZYH-RH05
Stainless Steel Round Handrail



ZYH-RH06
Stainless Steel Round Handrail

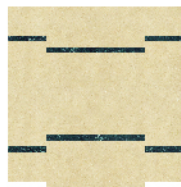
Floor Material

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.

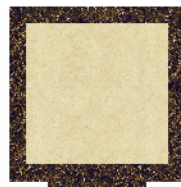
Parquet Marble Floor



ZSC-001



ZSC-002



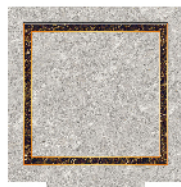
ZSC-011



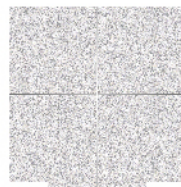
ZSC-012



ZSC-013



ZSC-014

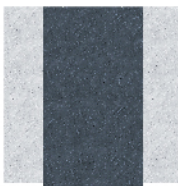


ZSC-015

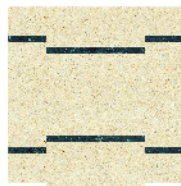


ZSC-016

Parquet PVC Floor



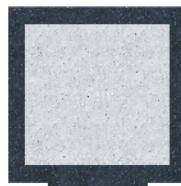
ZPH-027



ZPH-030



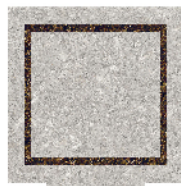
ZPH-028



ZPH-023



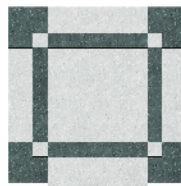
ZPH-026



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 Painted steel, hairline stainless steel	Applicable when it is E312, E322 when they are center opening doors; Applicable for E102 and E302. Applicable for E312 and E322 when they are side opening doors.

Feature	Description	Code	1C-28C	2C-5M21	3-4C ITS-21	3-8C ITS-2100
■ 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	⑤
Anti-stall Timer	When the traction rope slips or motor stall reaches predetermined time, the elevator will stop.	AST	⑤	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	⑤
Car Slide 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 the car slides.	CSSP	⑤	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.	D80	⑤	⑤	⑤	⑤
Energy Feedback	Feed energy generated during operation back to the grid to save energy.	EFDBK	⑤	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	⑤
Automatic story height measuring	Automatically measure and record story height	FMR	⑤	⑤	⑤	⑤
Inspection Operation	Inspection operation mode for maintenance staff.	INSP	⑤	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	⑤
Over-current Protection	Stop elevator when the current through the rectifier or inverter is detected too high.	OC	⑤	⑤	⑤	⑤
Over-speed Protection	Stop elevator when the running speed is detected over allowable value.	OCP	⑤	⑤	⑤	⑤
Over-temperature Protection	Stop elevator when over temperature of motor is detected.	OTP	⑤	⑤	⑤	⑤
Over-voltage Protection	Stop elevator when the voltage across the rectifier or inverter is detected too high.	OVP	⑤	⑤	⑤	⑤
Power Failure Protection	Stop elevator when open-phase, undervoltage or other faults of power occurs.	PPF	⑤	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	⑤
Reversal protection	Stop elevator when it is detected running in reversed direction.	RSP	⑤	⑤	⑤	⑤
Selector Correcting	The elevator corrects the selector during operation	SC	⑤	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	⑤
Stop Open	The car doors open automatically after the car stops at a floor.	SO	⑤	⑤	⑤	⑤
Inverter High-temperature Detect	Stop elevator when inverter high-temperature is detected.	THMF	⑤	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	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	⑤
Under speed Protection	Stop elevator when the running speed is detected under allowable value.	USP	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	⑤
Attendant Service	Normal operation of the elevator is conducted by an attendant	AS *30	⑤	⑤	⑤	⑤
Bypass	Bypass all hall calls when the attendant serves and activates the 'Bypass' button.	BP *1	⑤	⑤	⑤	⑤
Car Computer Back Up Operation	When an anomaly occurs on the car computer, the car stops at nearest floor and the elevator cannot restart.	CCBK	⑤	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	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	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	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	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	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	⑤
Elevator Dedicated Air Conditioning	Air conditioning for elevator car.	EAC *3	⑤	⑤	⑤	⑤
Self-diagnosis	Diagnose abnormalities and faults occurred during elevator operation.	EFD	⑤	⑤	⑤	⑤
Exit Switch	Switch for detecting state of exit	EXIT SW	⑤	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 *3*30	⑤	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 *4*30	⑤	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	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	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	⑤
Hall Computer Back Up Operation	When an anomaly occurs on the hall computer, the car stops at nearest floor and the elevator cannot restart.	HCBK	⑤	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 *30	⑤	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	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	⑤
Non-service to Specific Floor (switch type)	Operating this switch can cancel service to specified floors.	NS *2	⑤	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	⑤
Non-service to Specific Floor (Timer type)	Cancel service to specific floor within specified period.	NS-T	⑤	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	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	⑤
Overload Holding Stop	When the car is overloaded, the doors remain open and a buzzer sounds.	OLH	⑤	⑤	⑤	⑤
Remote Control Stop	Start or stop the car through the remote control switch.	RCS *6	⑤	⑤	⑤	⑤
Return Operation	Operating Return switch to immediate call the car back to specified floor and park there.	RET *6	⑤	⑤	⑤	⑤
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	⑤	⑤	⑤	⑤
Secret Call Service (IC card type)	The buttons of certain specified floors can only be registered via IC card.	SCS-IC *2	⑤	⑤	⑤	⑤
■ Emergency Operation Features						
Emergency Car Lighting	Immediately provide car lighting when normal lighting power supply breaks.	ECL	⑤	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 *2	⑤	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 *7	⑤	⑤	⑤	⑤
Alarm Bell	Press this alarm bell in emergency. The bell and interphone will sound.	EMB	⑤	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 *8	⑤	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 *8	⑤	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 *8	⑤	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 *9	⑤	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 *27	⑤	⑤	⑤	⑤
■ Door Operating Features						
Light Curtain Protection	Light curtain protection with multiple light beam.	AMS *26	⑤	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	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	⑤

Feature	Description	Code	1C-28C	2C-5M21	3-4C ITS-21	3-8C ITS-2100
■ Door Operating Features						
Extended Door-open Button	Press and hold this button can extend door-open time.	DKO-TB *11	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	⑤
Not Door Open Feature	If car doors are blocked while opening, they will close immediately.	DNONG	⑤	⑤	⑤	⑤
Automatic Door-open Time Adjustment	Automatically adjust door-open time according to landing calls or car calls.	DOT	⑤	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	⑤
Expediting of Door Close	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.	EDC	⑤	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 *26	⑤	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 *10	⑤	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	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	⑤
■ Information and Display Features						
Voice Announce Device	Voice announce device (Chinese) informs the passengers of related elevator information.	AAN-S01 *12	⑤	⑤	⑤	⑤
Voice Announce Device	Voice announce device (Chinese and English in turn) informs the passengers of related elevator information.	AAN-S02 *12	⑤	⑤	⑤	⑤
Voice Announce Device	Voice announce device (English) informs the passengers of related elevator information.	AAN-S03 *12	⑤	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 *13	⑤	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 *13	⑤	⑤	⑤	⑤
Immediate Prediction Function	Once a passenger has registered a landing call, it will immediately select an elevator most suitable for responding this call and inform the passenger via a visual/audio signal.	AIL	—	—	—	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	⑤
Automatic Operation Signal Light (Hall)	The landing indicator displays the elevator is in automatic operation state.	AUTL *14	⑤	⑤	⑤	⑤
Signal Interface Device	Outputs basic operation state signal of the elevator via this device	BA *15	⑤	⑤	⑤	⑤
Bypass Signal Light (Hall)	The landing indicator displays the elevator is in "Bypass operation" state.	BPL *14*16	⑤	⑤	⑤	⑤
Direction Arrows in Car	Indicates running direction with arrows in the car.	DAC	⑤	⑤	⑤	⑤
Direction Arrows on Hall	Indicates running direction with arrows on the hall.	DAH	⑤	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	⑤
Extended Door-Open Button Light	When the Extended Door-Open button is pressed, the indicator light illuminates for certain period.	DKOL *17	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	⑤
Elevator Counter/Timer	Record number of runs and running time of the elevator.	ECT	⑤	⑤	⑤	⑤
Multimedia Display in Car	Can provide audio/video or other information for the passengers (installed in the car).	EMIDS-C *28	⑤	⑤	⑤	⑤
Multimedia Display on Hall	Can provide audio/video or other information for the passengers (installed on the hall).	EMIDS-H *29	⑤	⑤	⑤	⑤
Exclusive Service Indication	Display that the elevator is in exclusive service state.	EXCL *11*18	⑤	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 *19	⑤	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 *20	⑤	⑤	⑤	⑤
Fire Emergency Return - Completed	A CP signal is outputted after the FER running is completed.	FER-CP *21	⑤	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	⑤
Flashing Hall Lantern	Flashing lantern indicates arrival of car and its running direction.	FHL	—	—	—	⑤
Inspection Operation Indication	Hall indicator will display the elevator is in inspection mode.	INSPL	⑤	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 *22	⑤	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 *23	⑤	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 *23	⑤	⑤	⑤	⑤
ITV cable (for SMOS)	The cable used for video camera equipped with SMOS system.	ITV-S *23	⑤	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 *24	⑤	⑤	⑤	⑤
Overload Indication in Car	When the elevator is overloaded, the overload indicator lamp illuminates.	OLHL *18	⑤	⑤	⑤	⑤
Out-of-Service Indication	Indicate the elevator is out of service on the hall.	RESL *14	⑤	⑤	⑤	⑤
Next Car Prediction	During peak service, when one elevator cannot take all passengers, the hall prediction lamp of the elevator which will provide service next will flash.	TCP *25*30	—	—	—	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 *25*30	—	—	⑤	⑤
Car Assignment Tune	In group control, the group control system adjusts car assignment according to actual situation in real time.	CAT	—	—	⑤	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	⑤
Car Nearest Priority Service	When responding landing call, the car nearest to the floor is assigned first.	CNPS	—	—	—	⑤
Destination Forecast System	After the destination floor button on the operation panel on the hall is pressed, the system forecasts the number of the elevator serving this floor. The system assigns elevator depending on the destination floor to improve traffic efficiency.	DOAS-S *25	—	—	—	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	⑤
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.	ESO-N	—	—	—	⑤
Special Floor Forced Stop	Cars passing a certain floor are forced to stop at this floor.	FFS	⑤	⑤	⑤	⑤
Inter zone Up Peak Service	During up peak service, to improve operation efficiency, the elevators are divided into 2 groups to serve high-storey zone and low-storey zone respectively.	IUP *25*30	—	—	—	⑤
Lunch Time Service	Car assignment can be adjusted to favor canteen or restaurant floor to accommodate the high demand during lunch time.	LTS	—	—	⑤	⑤
Main Floor Parking	When there is no landing call or car call, the car returns to main floor and parks there.	MFP	⑤	—	—	—
Strategic Overall Assignment	For group control elevators, the cars park dispersedly at the main station and middle floor.	OHS	—	⑤	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	⑤
Peak Traffic Control	To alleviate temporary peak traffic, heavy traffic floors (top floor or main floor) will be given priority service.	PTC	—	—	⑤	⑤
Specified Car Priority Service	Specified car is sent first for the landing call from specified floor in group control system (e.g. glass elevator or the elevators with basement service).	SCPS	—	—	—	⑤
Specified Floor Priority Service	Provide preferential car service to a specified floor when a hall call is made at that floor.	SFPS	—	—	—	⑤
Main Floor Changeover Operation	Main floor can be changed by pressing the Changeover switch.	TFS *25*30	⑤	⑤	⑤	⑤
Light-Loaded Car Priority Service	When the traffic is light, the car with no or light load (load is less than 10%) is assigned first.	UCPS	—	—	—	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*30	—	—	⑤	⑤
VIP Service	A specified car can be withdrawn from group service for special VIP service.	VIP-S *25*30	—	—	⑤	⑤

Note:

- *1 Optional when AS is provided. *2 Nonstandard corresponding
- *3 Optional in the case where the number of landing stations is equal or more than 6 and SC34C feature is not provided.
- *4 Optional in the case where SC34C feature is not provided. *5 Abnormally signal is outputted from SMOS-II.
- *6 The consumer or SMOS-II shall provide a dry contact signal to the control cabinet.
- *7 Optional in the case where the distance between adjacent landing stations is not more than 12m.
- *8 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.
- *9 A maintenance contract needs to be signed with Shanghai Mitsubishi Elevator Co., Ltd. Currently not available for overseas market.
- *10 Standard when MBS is provided. *11 Standard when HE-B is provided. *12 Only one of AAN-S01/S02/S03 can be selected at most.
- *13 Only one of AECC and AECH can be selected.
- *14 The number of selected displays of the landing indicator cannot exceed 2.
- *15 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 converter respectively.
- *16 Standard when ABP or BP is provided. *17 Standard when DKO-TB is provided.
- *18 The number of selected displays of the indicator in car cannot exceed 3.
- *19 Standard when FE is provided. *20 Optional when FE is provided. *21 Standard when FER is provided.
- *22 The customer is responsible for the cables from the machine room to the monitoring room and their installation.

- *23 Select ITV-A, ITV-D or ITV-3. When ITV is configured, confirm with the customer about who is responsible for cabling.
- ITV-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.
- ITV-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.
- VT: 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.
- *24 Optional when OEPS-SA is provided. *25 Nonstandard *26 AMS, MBS must choose one.
- *27 Sign SMOS-II contract with Shanghai Mitsubishi.
- *28 For details, see EMDS Product Specifications LEHY-P31. To specify EMDS-C function, specify on the non-standard confirmation form the size, installation position and method (external or wall-mounted) of LCD. Default configuration: The display interface is "Full screen" and the material is hairline-finish stainless steel.
- *29 For details, see EMDS Product Specifications LEHY-P31. To specify EMDS-H function, specify on the non-standard confirmation form 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.
- *30 When DOAS is used, do not configure FCC-A, AS, FHC-P, HE-B, TCR, IUP, UPS, VIP-S, BSO and TFS at the same time.
- *31 ⑤ Standard ⑥ Optional

Note1: When hoistway inner width AH and machine room inner width AM have different values, those two values correspond to two values of door open width JJ respectively

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上海三菱电梯有限公司
SHANGHAI MITSUBISHI ELEVATOR CO.,LTD.

