

Shanghai Mitsubishi Elevator Co., Ltd.  
Address: No. 811 Jiangchuan Road, Minhang, Shanghai, China  
Tel : +86-21-24083030/64303030  
Fax : +86-21-24083088  
Post: 200245

**Overseas Business**  
Tel : +86-21-24083482  
Fax : +86-21-24083488  
e-mail : overseasbiz@smec-cn.com

 **上海三菱电梯有限公司**  
SHANGHAI MITSUBISHI ELEVATOR CO.,LTD.  
www.smec-cn.com

  
Specifications subject to change without notice  
Printed in May, 2016

 **上海三菱电梯**  
SHANGHAI MITSUBISHI ELEVATOR

 **上海三菱电梯**  
SHANGHAI MITSUBISHI ELEVATOR



用途  
人数  
载重

乘用  
21人  
1600kg

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

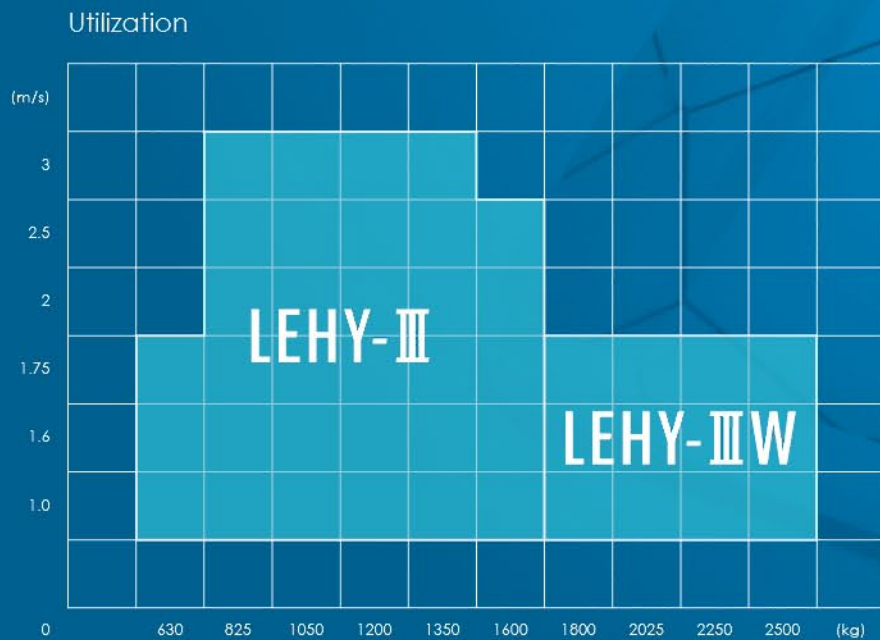
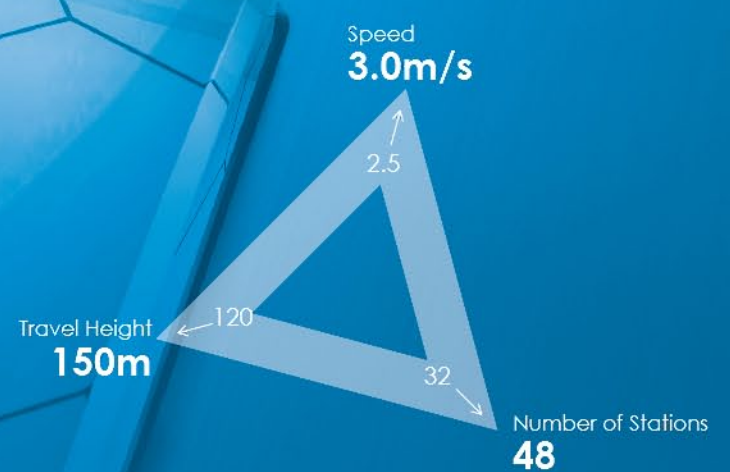
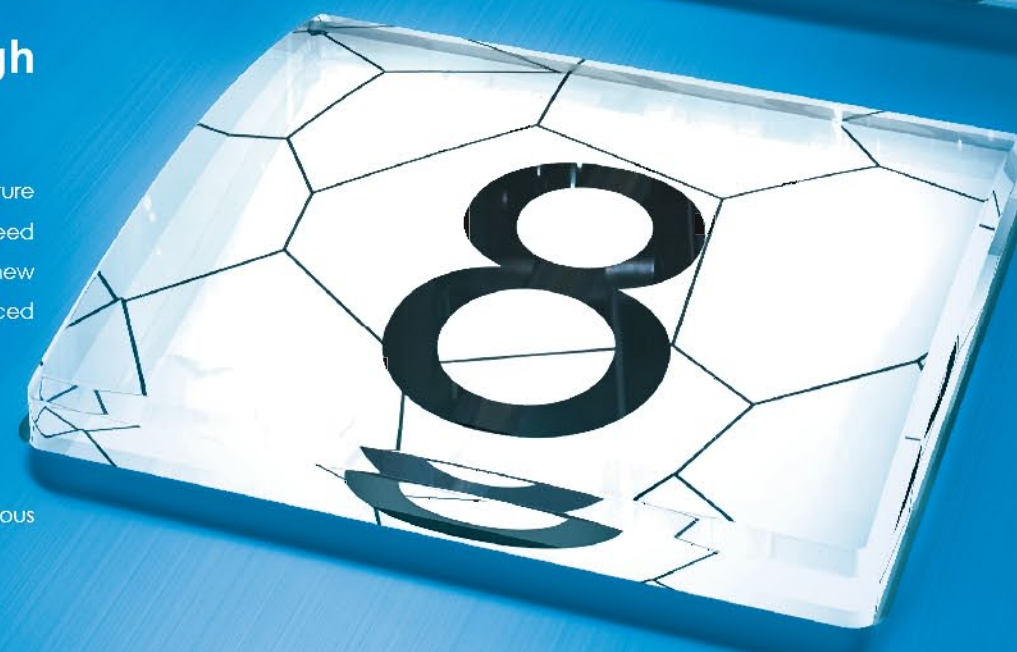
#### Energy-efficient and Environment Friendly, Last to the Future

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

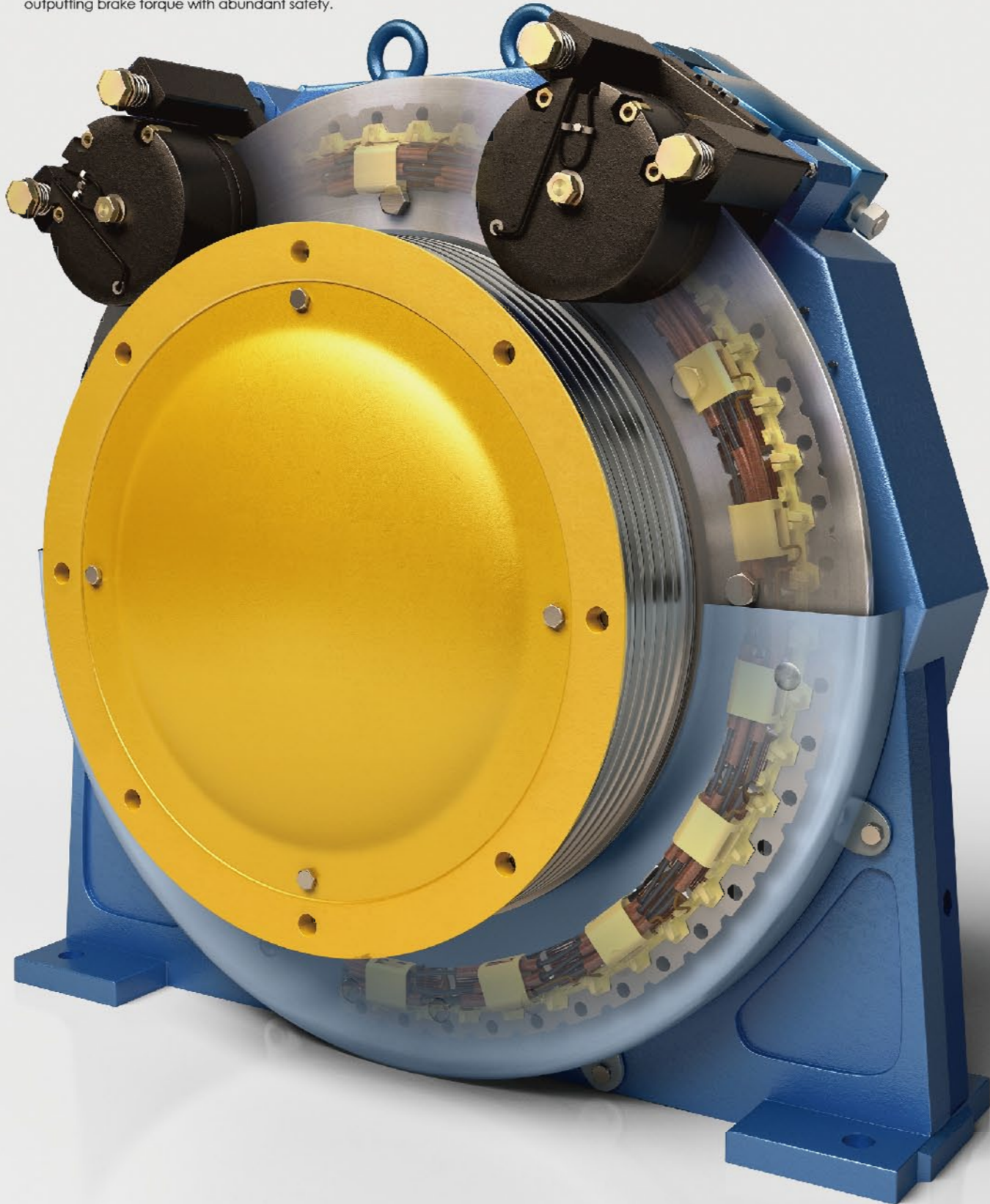
Utilize advanced artificial intelligence, achieve unprecedented precise and comfortable riding; various luxury decoration components and multiple new materials are available, and it is also possible to provide our clients the customized system.



5 Breakthroughs ----- P.3	General
6 Innovations ----- P.5	
A new generation of Decoration system ---- P.8	
Integrative Car Design ----- P.10	Design
Design of Car Roof ----- P.23	
Car Operation Panel ----- P.26	
Landing Display and Landing Call ----- P.30	
Flexible and Replaceable Button Series ----- P.32	
Hall Design ----- P.33	
LCD Display Series ----- P.35	
Corresponding Material ----- P.36	
Feature List ----- P.37	Functions
Civil Construction Table ----- P.39	Civil
Basic Specifications ----- P.41	Specifications

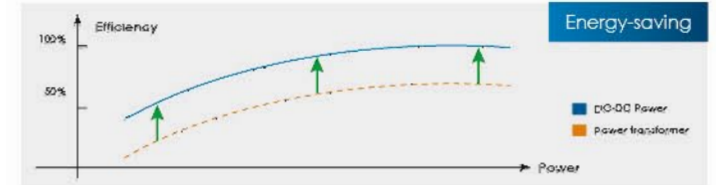
## Traction Machine Absolute Upgrade

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.

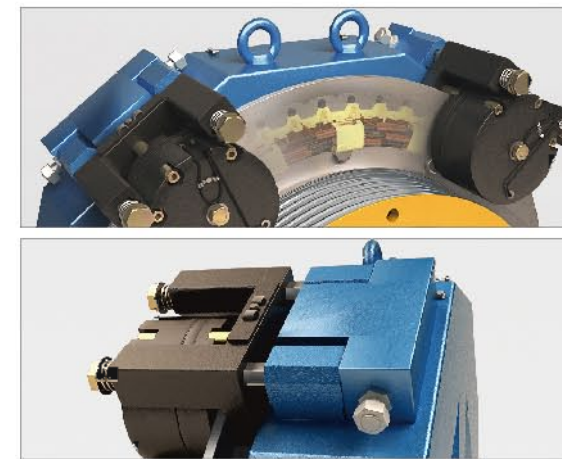


## All-digit Intelligence Power System

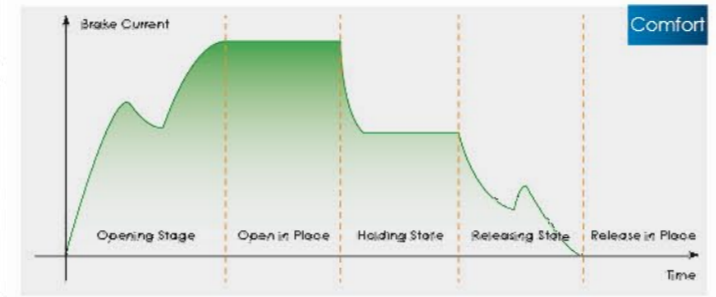
It utilizes all-digit control intelligent DC-DC power as the substitution for three-phase power transformer to provide power for elevator control system. New power system is not only more stable and reliable, invulnerable to grid fluctuation, but also consume less energy, with higher efficiency and more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



## Mute Brake Control Technology

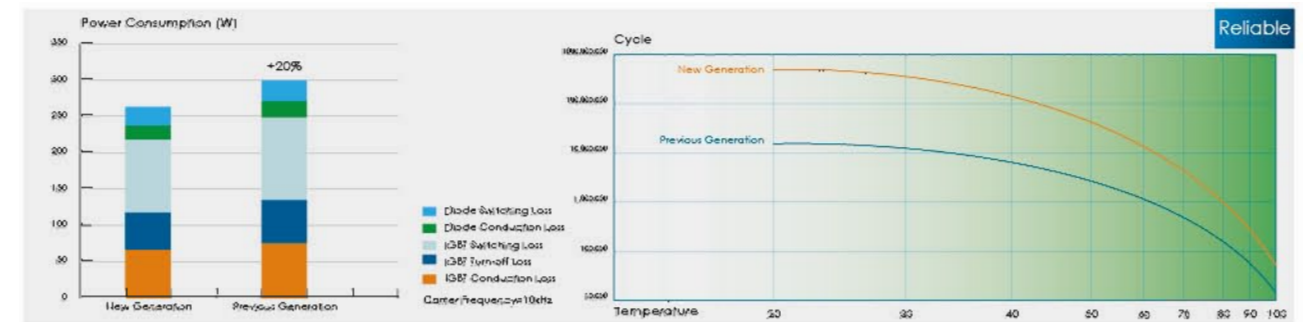


Compared to traditional open-loop voltage control, more accurate closed-loop current control mode is now employed to control the action speed and braking torque at all stages of the brake. This has remarkably reduced the noise from the brake during action and improved the comfort of the passengers while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

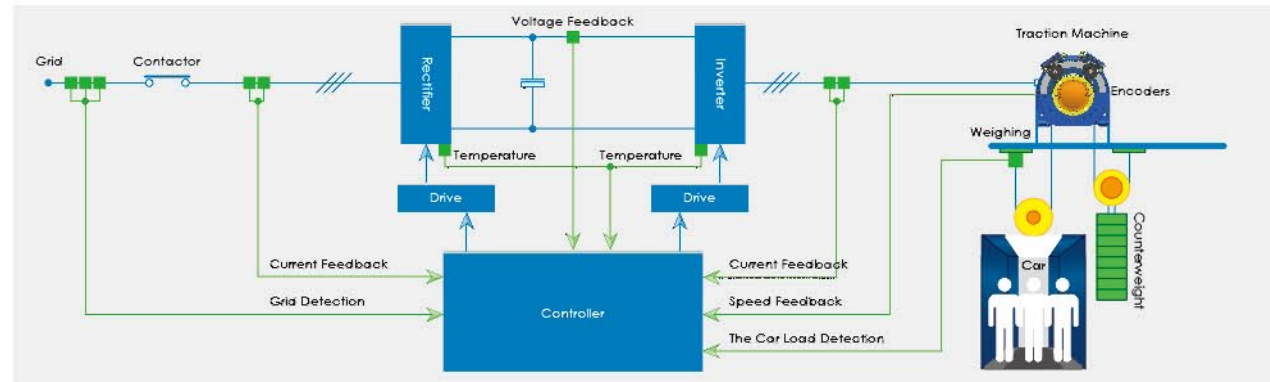
Apply new generation of high-performance CPU technology and PCB system architecture and realize elevator's main control system with multi-chip architecture of motor drive, elevator control management, elevator communication and FPGA logic control. Cooperation work of multiple CPUs has greatly improved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

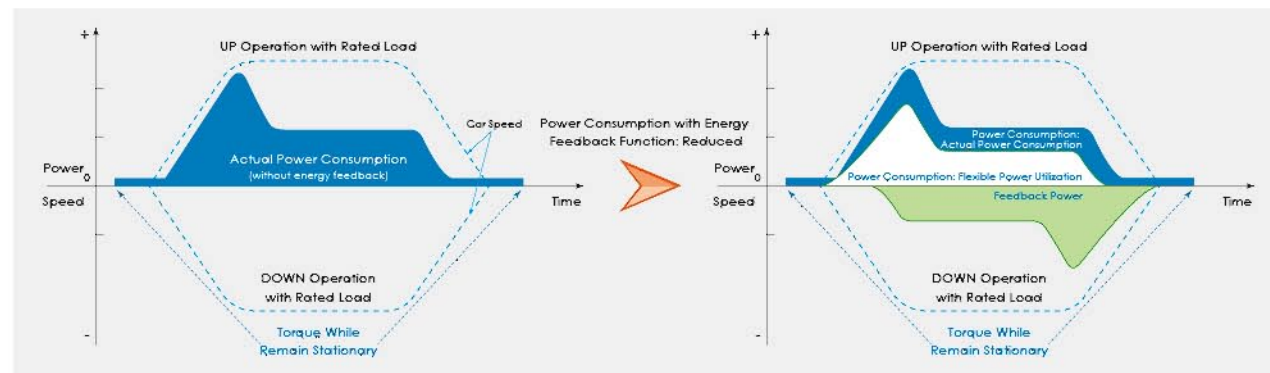
Adhering to the philosophy of steadily and slowly releasing of profound knowledge and constantly using latest technologies and components in VVVF drive of elevators enable Shanghai Mitsubishi VVVF speed regulation technology to develop rapidly toward high performance, high reliability, digitization and 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)

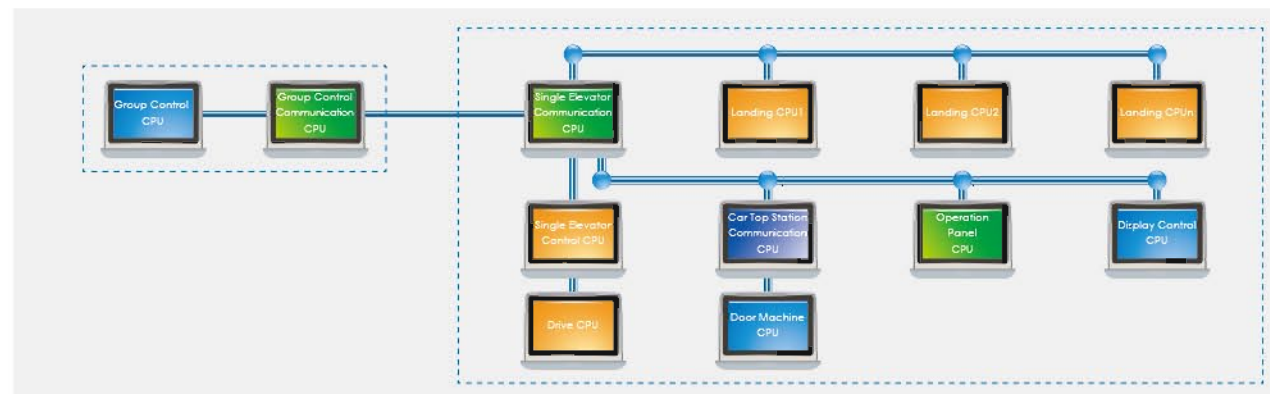
Highly energy-saving energy feedback technology based on dual-PWM control can feed the renewable green electric energy, which was consumed through energy consumption resistors, back to the grid without pollution. This can save more than 30% energy compared to common VVVF elevators on average, and so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



## High-speed Network

### Data Network Control Technology

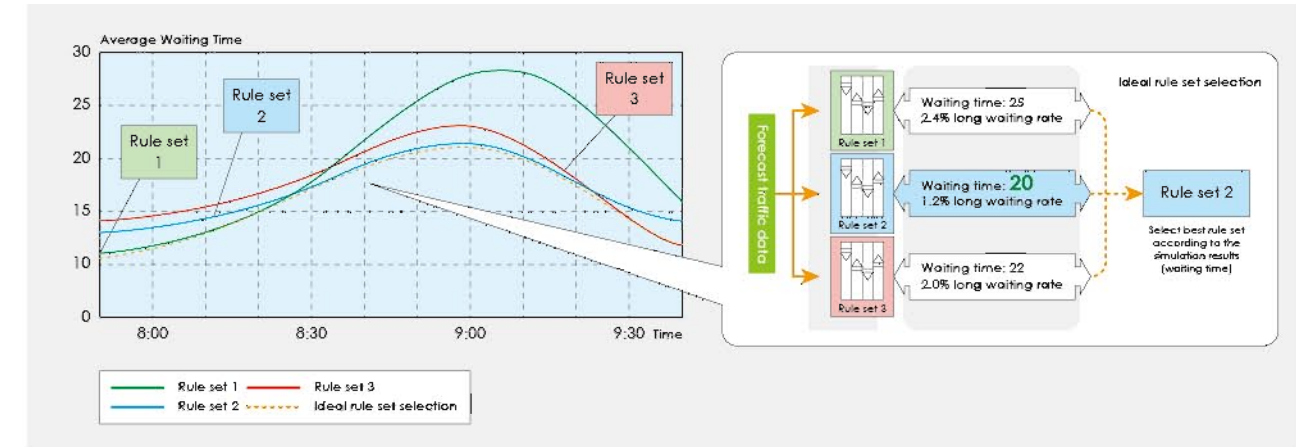
Data network control technology based on CANBUS (Field bus) features high communication rate, large data volume. Independent microprocessors are used separately in elevator car command controller, floor indicators inside the car, door machine controller, each landing button and floor indicators and various 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

Universal decoration system applies to all LEHY elevators of Shanghai Mitsubishi, including LEHY-III, LEHY-MRL, LEHY-MII, 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

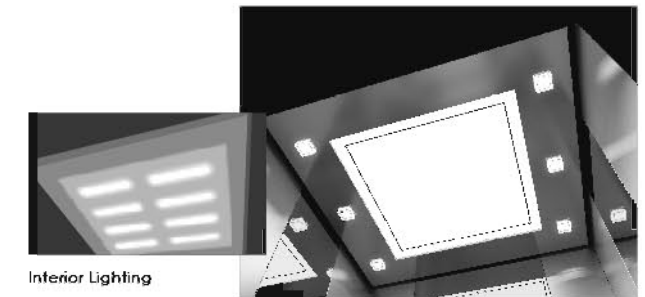


The brand new designed integrated cars apply to a majority of architectural occasions, providing various styles and satisfying diversified customer requirements:

- 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

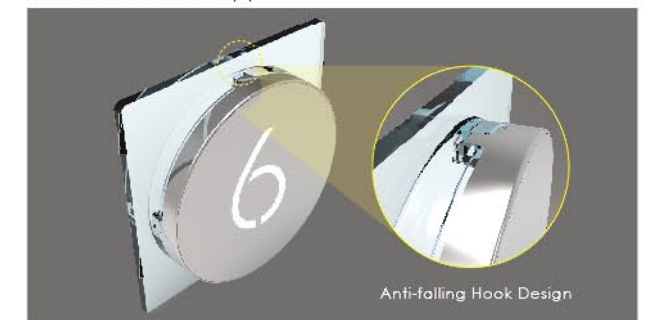
The car roofs of LEHY-III are all changed into LED lighting, which has 5 times longer than the traditional fluorescent tubes, saving at least 50% electrical cost and thus greatly reducing the maintenance and use costs.



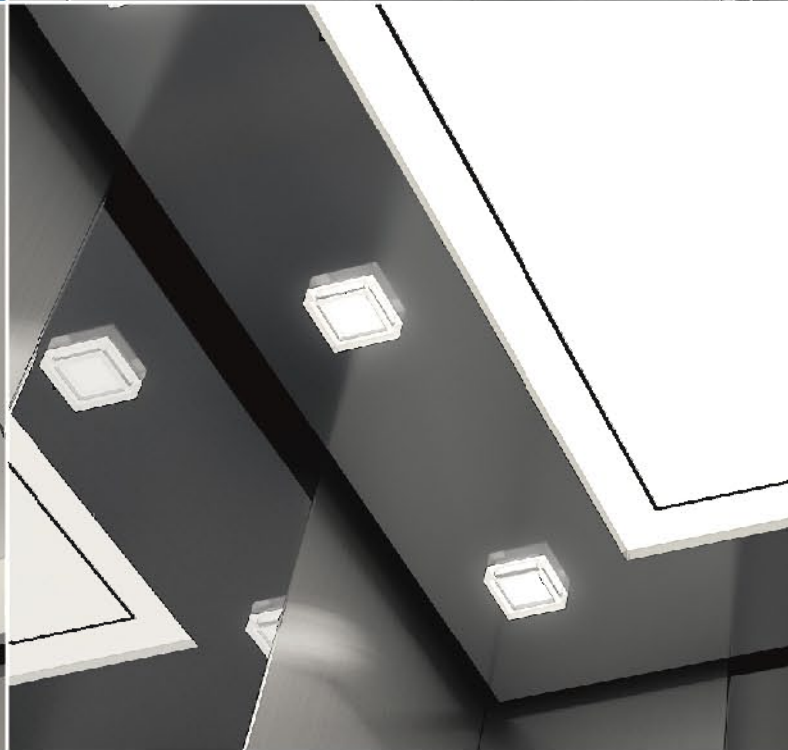
Interior Lighting

### 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 LED

- 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)



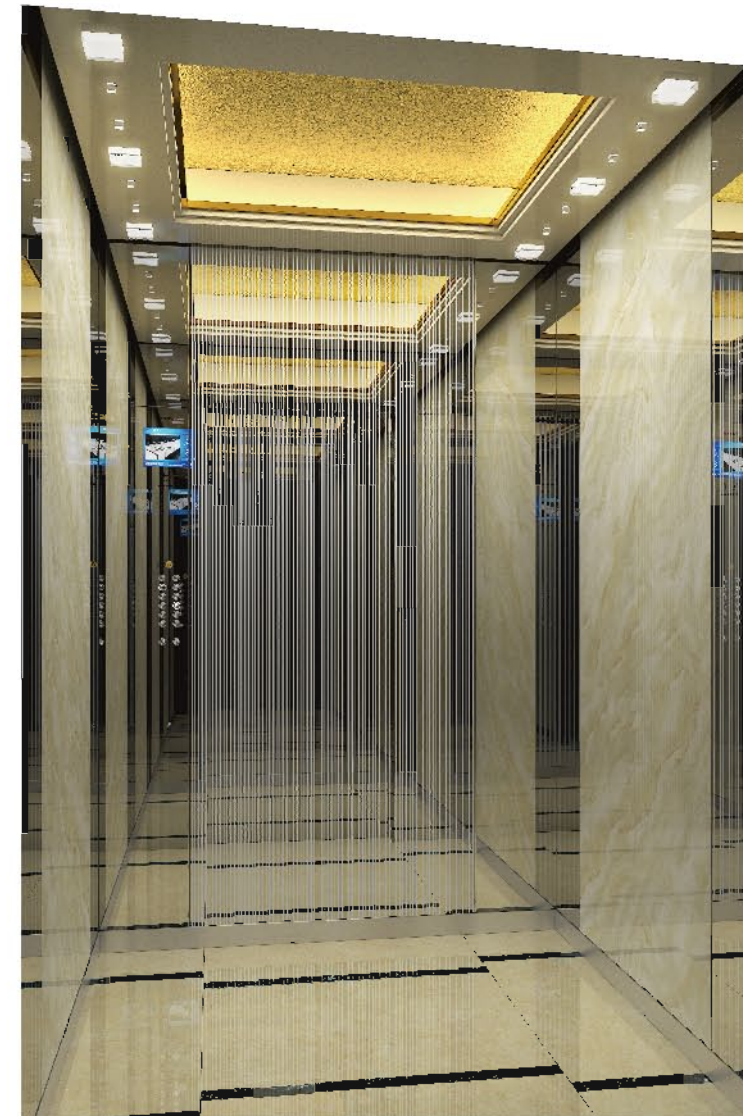


## Jueshi House / ZCD-022X LED

- 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)



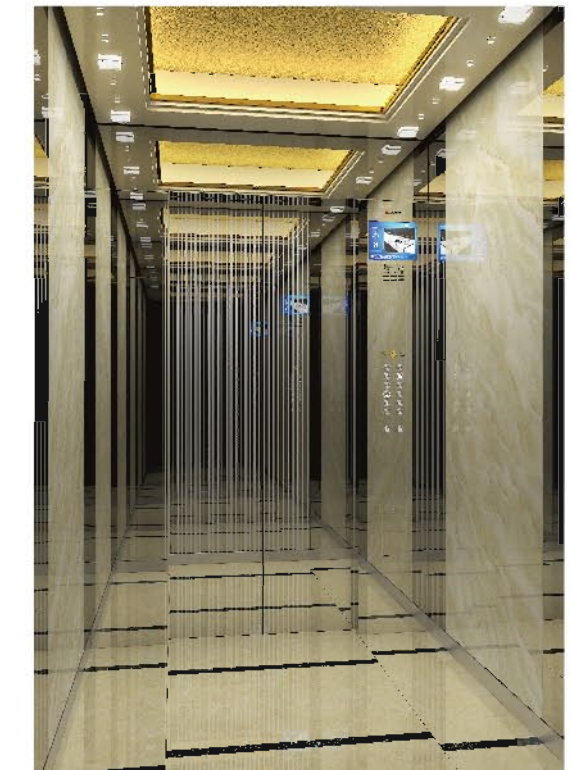
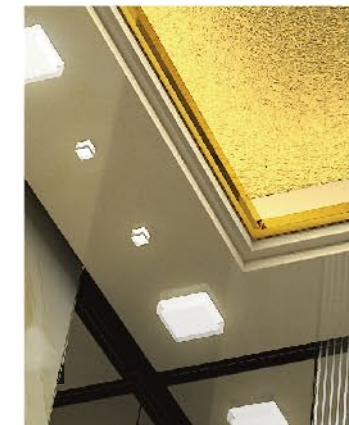
New Classics



## 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.

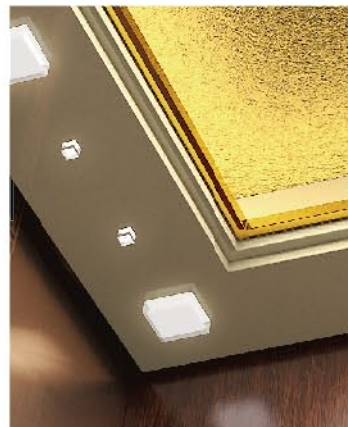


## Zijing House / ZCD-021X LED

- 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-02B+ZDT-001)  
Central Laminated Steel Sheet (ZYM-001)
- Back Wall**  
Two-side Laminated Steel Sheet (ZYM-001)  
Central Mirror Etched Titanium-coated Stainless Steel (ZHY-027+ZDT-001)
- Car Door**  
Hairline Titanium-coated Stainless Steel (ZDT-001)
- Lintel**  
Hairline Titanium-coated Stainless Steel (ZDT-001)
- Floor**  
Marble Floor (ZSC-011) (Can select other models)



Modern Chinese



## Juying Cabinet / ZCD-023G LED

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

Modern Simple



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





Modern Simple



## 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)



Natural and Elegant



## Qinfang House / ZCD-017X LED

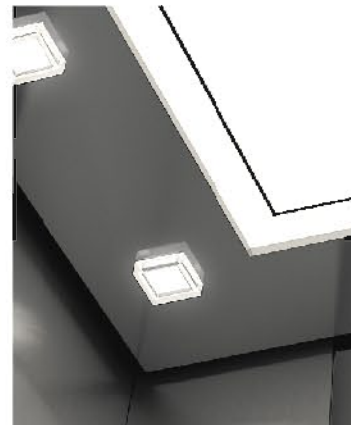
- Car Ceiling**  
ZCL-GN05
- Operation Panel**  
ZCBA12-C510  
(Hairline Panel) (Can select other models)
- Front Wall**  
Hairline Stainless Steel
- Side Walls**  
Laminated Steel (ZYM-015)
- Back Wall**  
Two-side Mirror Stainless Steel  
Central Mirror Wiredrawing Stainless Steel (ZLS-001)
- Car Door**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



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



Modern Simple

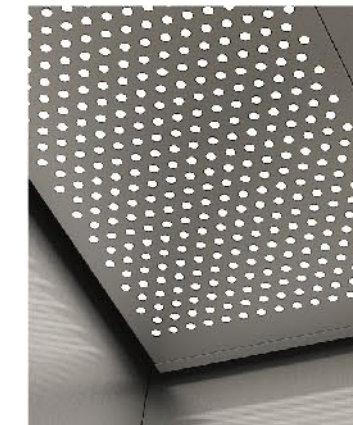


## Jintai Cabinet / ZCD-025G LED

- 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)

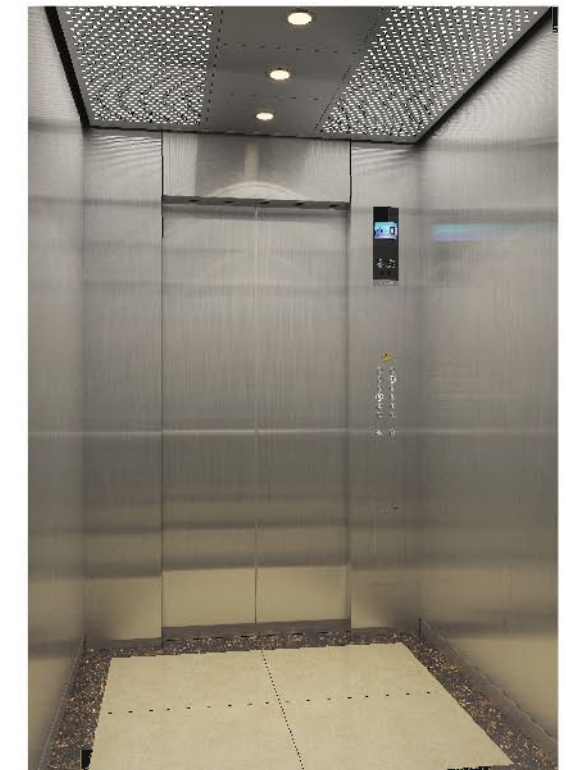


Modern Simple



## 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)



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

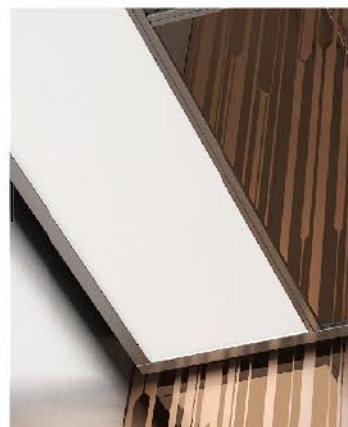


## Xingyu Court / ZCD-022T LED

- 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+ZDF-001)
- Car Door**  
Hairline Stainless Steel
- Lintel**  
Hairline Stainless Steel
- Handrails**  
Two-side Stainless Steel Round Handrail (ZYH-RH02)  
(Can provide none or select other models)
- Floor**  
Parquet Floor (ZPH-031) (Can select other models)



Modern Urban



## Yinlin Court / ZCD-023T LED

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

Modern Luxury



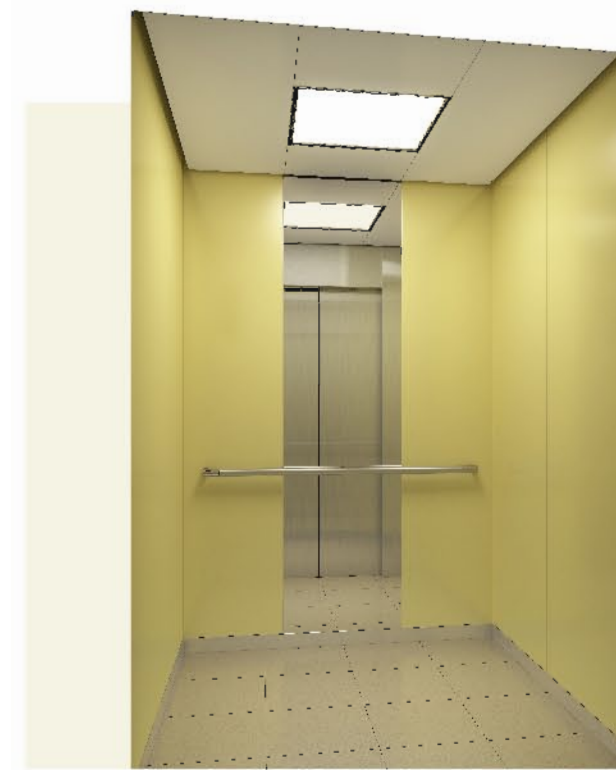
Note: If you have any other requirements for car configuration, please contact the Business Department of our company.



## Jingyue Court / ZCD-020T LED

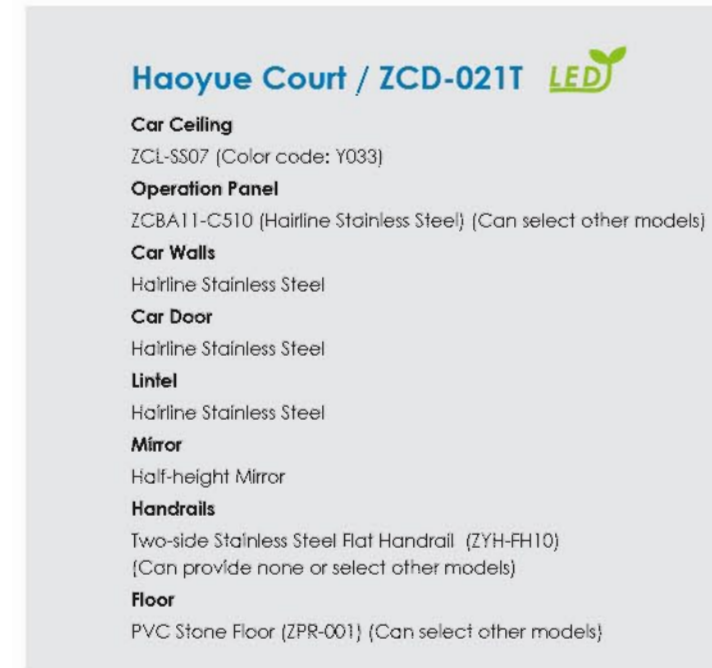
- Car Ceiling**  
ZCL-SS08 (Color code: Y033)
- Operation Panel**  
ZCBA11-C510 (Hairline Panel) (Can select other models)
- Wheel Chair Operation Panel**  
ZCBA04-F110 (Hairline Panel) (Can select other models)
- Front Wall**  
Hairline Stainless Steel
- Side Walls**  
Hairline Stainless Steel
- Back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



## 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)

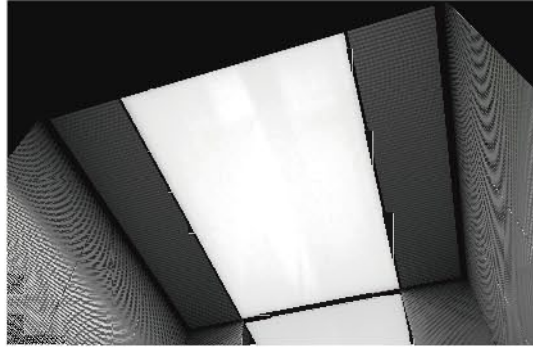


## Haoyue Court / ZCD-021T LED

- 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)



**ZCL-DS12** (Optional)



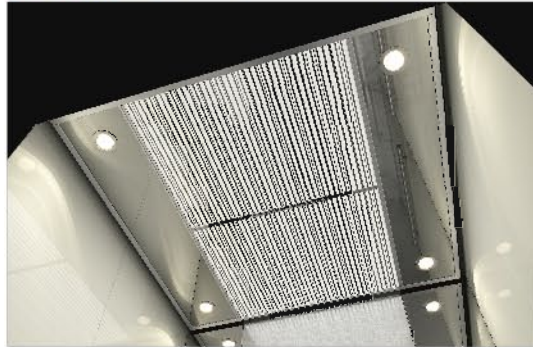
Lighting: central direct lighting.  
Material: central imported high-grade white translucent soft film, two-side hairline etched black-plated titanium stainless steel, Thickness: 200mm

**ZCL-GS16** (Optional)



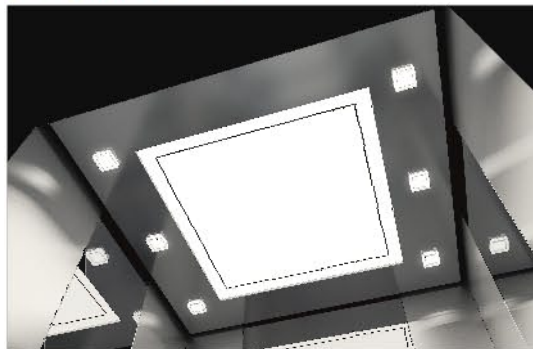
Lighting: central floodlight key lighting, two-side auxiliary lighting.  
Material: central floodlight gold foil, ambient Painted steel sheet (color code Y033, if other colors are in need, select in accordance with the color panel palette of Shanghai Mitsubishi), two-side acrylic crystal hanging pieces;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

**ZCL-GN04** (Optional)



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

**ZCL-GS06** (Optional)



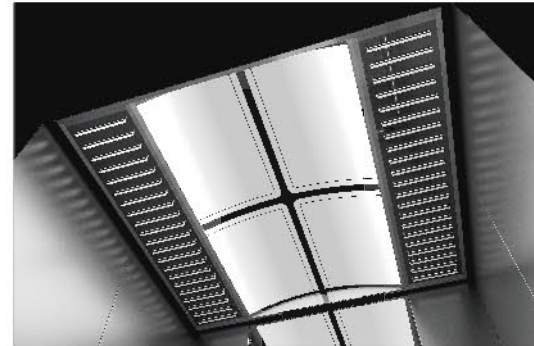
Lighting: central direct lighting, two-side auxiliary lighting.  
Material: central milk white printed acrylic lighting board, ambient metallic painting steel sheet, two-side acrylic crystal hanging pieces; Thickness: 200mm

**ZCL-GS08** (Optional)



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

**ZCL-DS13** (Optional)



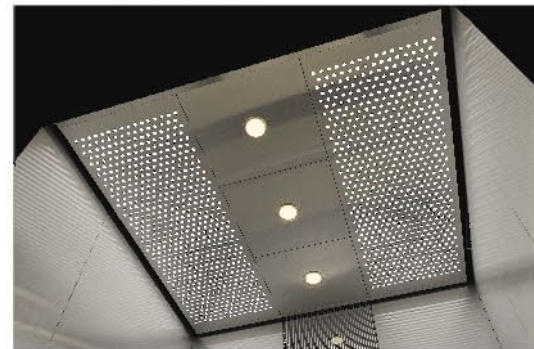
Lighting: central direct lighting, two-side auxiliary lighting;  
Material: arched milk white printed acrylic lighting boards, two-side acrylic crystal hanging pieces, stainless steel frame; Thickness: 200mm

**ZCL-GN05** (Optional)



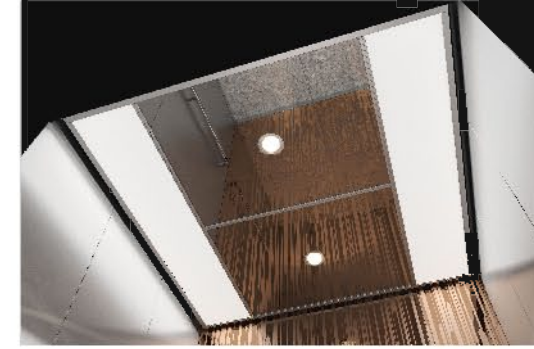
Lighting: central direct lighting, two-side down lamp lighting.  
Materials: central milk white printed acrylic lighting board, two-side golden mirror acrylic panel, aluminum alloy frame; Thickness: 200mm

**ZCL-GN02** (Optional)



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

**ZCL-GN03** (Optional)



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

**ZCL-SS08** (Optional)



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

**ZCL-SS07** (Optional)

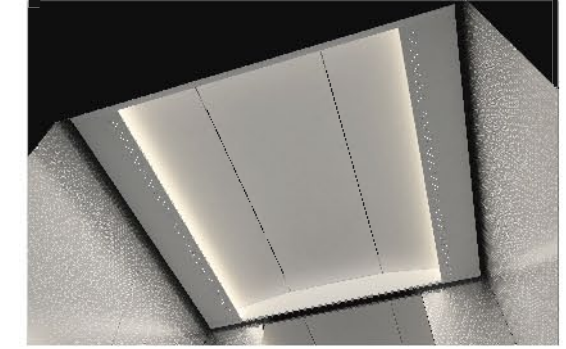


Lighting: down light direct lighting;  
Material: coating steel sheet ceiling (color code: Y033); if other colors are in need, select color in accordance with Shanghai color palette; Thickness: 100mm

**Note:**

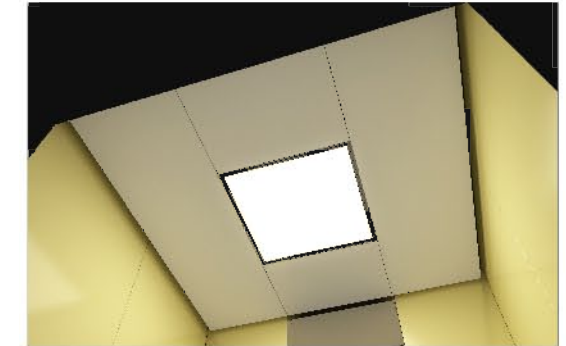
All car roofs adopt LED lighting.  
The ventilation outlet of car roof is arranged at the back of the two sides.  
Car roof may be compatible with deep cars and wide cars.  
Safety windows are optional for car roofs. Consult sales persons for details

**ZCL-SS06** (Optional)



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

**ZCL-SN03** (Optional)



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

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

By others. (ceiling thickness 100mm).

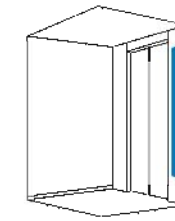
**ZCL-CN08** (Empty Car Roof)

By others. (ceiling thickness 200mm).

# Human-machine Component Design

## Car Operation Panel

### Front Wall Half Height Operation Panel

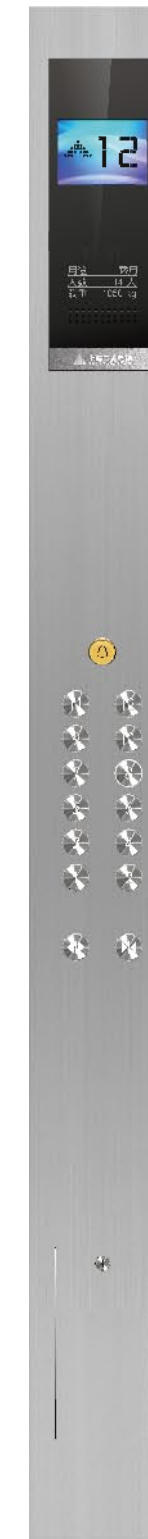


Amber LED, classic and durable

Stainless Steel Panel

The buttons are exchangeable  
The figure shown is A09 button

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



5.7" Color segmented LCD, fine and vivid

Stainless Steel Panel

The buttons are exchangeable  
The figure shown is A11 button.

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



5.7" TFT LCD, fine and vivid

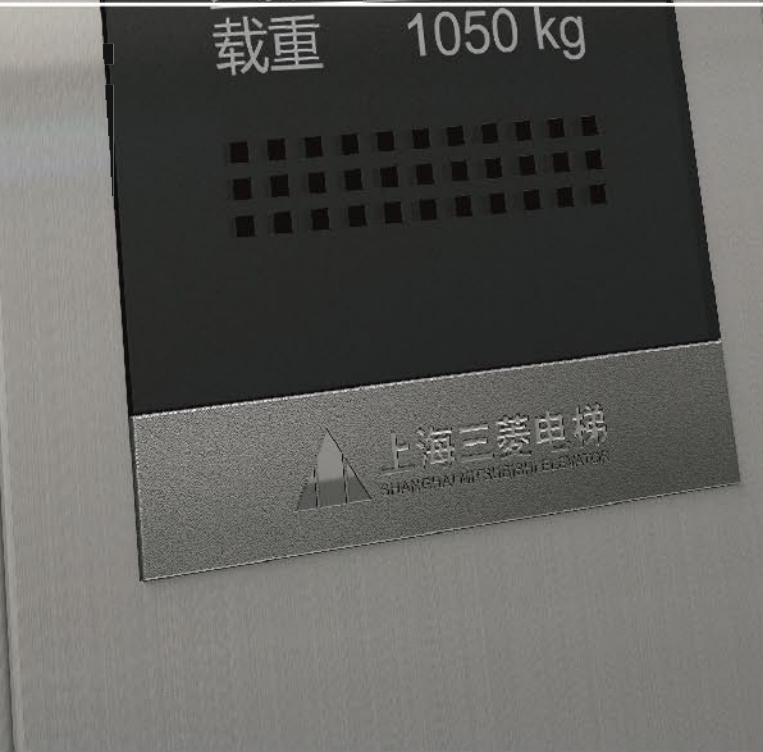
Stainless Steel Panel

The buttons are exchangeable.  
The figure shown is A23 button

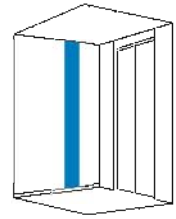
ZCB-C210 (Primary)  
ZCB-C260 (Auxiliary)

**Note:**

- \*1 Configurable when front wall width  $\geq 250$ 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.



## Side Wall Full-height Operation Panel



<p>Amber LED, classic and durable.</p>	<p>5.7" Color segmented LCD, fine and vivid.</p>	<p>5.7" TFT LCD, fine and vivid.</p>
Stainless Steel Panel	Stainless Steel Panel	Stainless Steel Panel
<p>The buttons are exchangeable. The figure shown is A09 button.</p>	<p>The buttons are exchangeable. The figure shown is A11 button.</p>	<p>The buttons are exchangeable. The figure shown is A23 button.</p>
<p>ZCB■-R110 (Primary) ZCB■-R160 (Auxiliary)</p>	<p>ZCB■-R510 (Primary) ZCB■-R560 (Auxiliary)</p>	<p>ZCB■-R210 (Primary) ZCB■-R260 (Auxiliary)</p>

## Side Wall Full-height Operation Panel Comply with GB/ T24477 Standard

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

<sup>\*3</sup> ZCB■-F110 (Primary)  
ZCB■-F160 (Auxiliary)

ZCB■-F130 (Primary)  
ZCB■-F180 (Auxiliary)  
Comply with GB/ T24477 Standard

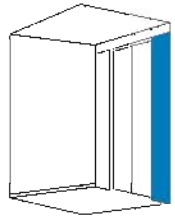
Note:

- \*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 secondary by the client should be less than 15mm

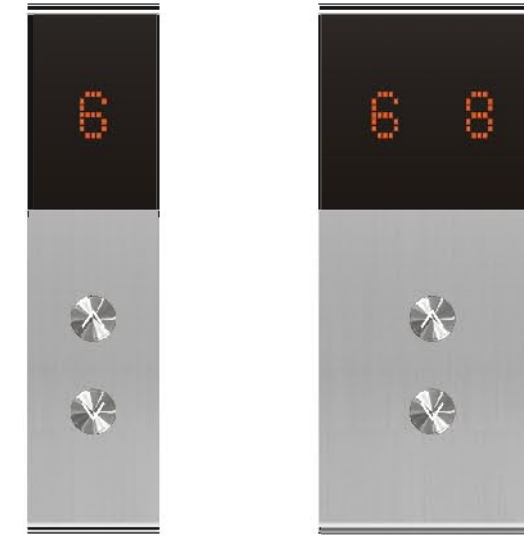


<b>ZCB■-T310 (Primary)</b> <b>ZCB■-T360 (Auxiliary)</b> (Configurable when front wall $\geq 300$ ) 8.4" TFT LCD Stainless Steel Panel The figure shown is A11 button.	<b>ZCB■-T710 (Primary)</b> <b>ZCB■-T760 (Auxiliary)</b> (Configurable when front wall $\geq 350$ ) 10.4" Multimedia LCD Stainless Steel Panel The figure shown is A23 button.	<b>ZCB■-T410 (Primary)</b> <b>ZCB■-T460 (Auxiliary)</b> (Configurable when front wall $\geq 400$ ) 12.1" Multimedia LCD Stainless Steel Panel The figure shown is B02 button.	<b>ZCB■-T810 (Primary)</b> <b>ZCB■-T860 (Auxiliary)</b> (Configurable when front wall $\geq 450$ ) 15.0" Multimedia LCD Stainless Steel Panel The figure shown is D01 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

### LED Dot Matrix Display



<b>ZPI●-G110</b> Stainless Steel Panel Without Bottom Box	<b>ZPI●-G120</b> Stainless Steel Panel Without Bottom Box
---	---

### 4.3" Color Segmented LCD



<b>ZPI●-GB10</b> Stainless Steel Panel Without Bottom Box	<b>ZPI●-GB20</b> Stainless Steel Panel Without Bottom Box
---	---

### 4.3" TFT LCD



<b>ZPI●-GA10</b> Stainless Steel Panel Without Bottom Box	<b>ZPI●-GA20</b> Stainless Steel Panel Without Bottom Box
---	---

**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



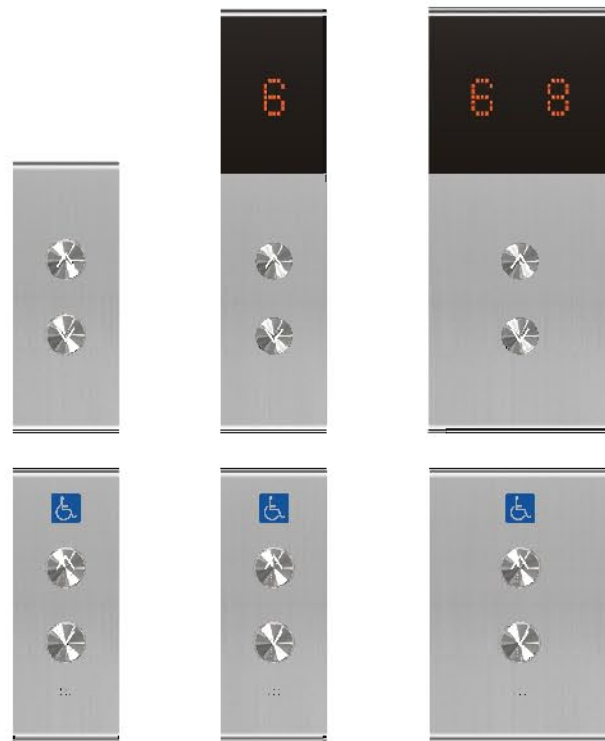
## Wall-mounted Landing Call (Without Bottom Box)

Barrier-free design response, complying with GB/T24477 standard.



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

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



**Note:**  
 \*1 The symbol ● 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 Required to be used together with ZHB-G010 or ZPI-GX10  
 \*4 Required to be used together with ZHB-G020  
 \*5 Required to be used together with ZPI-GX20  
 \*6 If bottom box is needed, contact the sales person for non-standard installation of bottom box. The appearance of the landing indicators with or without bottom box will be consistent

## Basic Buttons



**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	Protuded Words with Braille
A15	Orange Light	Protuded Words with Braille
A16	Blue Light	Protuded Words with Braille



**A01\*1**  
Diameter 31mm  
Machinery Fine Motion  
Standby Micro-light  
Stainless Steel Surface

A01	White Light	Flat Words
A02	Orange Light	Flat Words
A03	Blue Light	Flat Words
A04	White Light	Protuded Words with Braille
A05	Orange Light	Protuded Words with Braille
A06	Blue Light	Protuded Words with Braille

## Illustration of the Button Samples



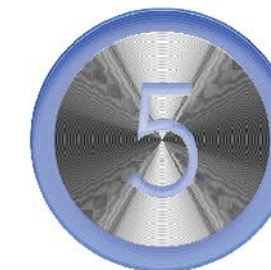
## Optional Button Styles



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



**B02**  
Diameter 35mm  
Machinery Fine Motion  
Orange Light  
Resin Button Cop  
Stainless Steel Button Ring



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



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

**Note:**  
 \*1 It is recommended to select A11~A16 buttons for hall call buttons when the car operation panel selects A01~A06 buttons.  
 \*2 A01~A06 are not optional for hall call buttons

## 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

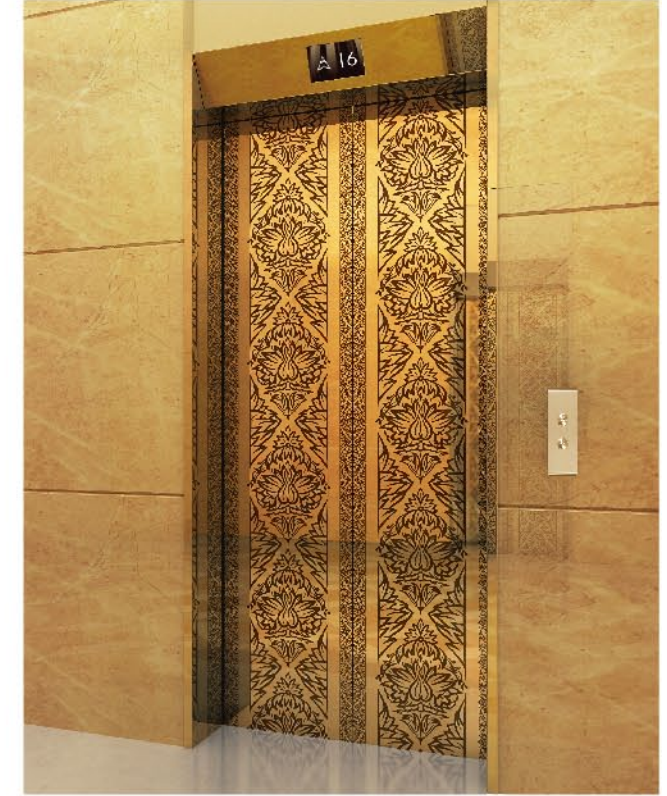
Curtain Plate Type Bevel (10°) Large Door Jamb  
Only applicable for wide car



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

### E-322

Slant Curtain Plate Bevel (10°) Large Door Jamb  
Only 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

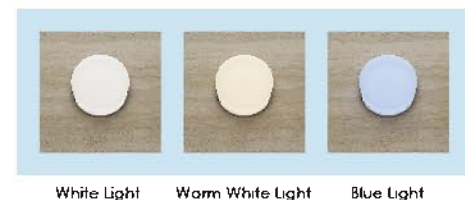
Should be used together with the landing call button components referred to Page 31.



<b>ZHLV-H021</b> Hairline/Mirror Stainless Steel Panels Mist white acrylic of the lighting part	<b>ZHLV-H030</b> Without Panel Mist white acrylic of the lighting part Precise openings for wall decoration are in need.	<b>ZHLV-R061</b> Hairline/Mirror Stainless Steel Panels Mist white acrylic of the lighting part	<b>ZHLV-R070</b> Without Panel Mist white acrylic of the lighting part Precise openings for wall decoration are in need	<b>ZHLV-R050</b> Without Panel Mist white acrylic of the lighting part Precise openings for wall decoration are in need	<b>ZHLV-B031</b> Hairline/Mirror Stainless Steel Panels Transparent acrylic of the lighting part (engraved and blasted)	<b>ZHLV-B040</b> 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



Eragrant Green Residence

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



Glaring Purple Standard



Eragrant Green Residence



Elegant Brown Hotel



Gentle Blue Business Building



Elegant Brown Hotel



Gentle Blue Business Building

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

## Multimedia Information Display System (EMIDS)

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

10.4", 12.1", 15.0", real color 1024\*768



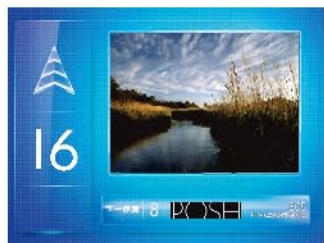
Classic A



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-RH01  
Stainless Steel Round Handrail



ZYH-RH02  
Stainless Steel Round Handrail

## Floor Material

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

### Parquet Marble Floor



ZSC-001



ZSC-002



ZSC-011



ZSC-012



ZSC-013



ZSC-014



ZSC-015

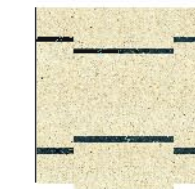


ZSC-016

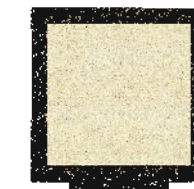
### Parquet PVC Floor



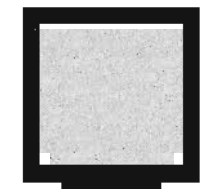
ZPH-027



ZPH-030



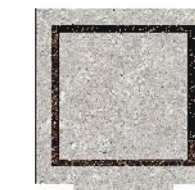
ZPH-028



ZPH-023



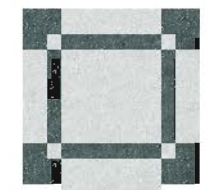
ZPH-026



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, 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-III	
Jamb	Painted steel sheet, metallic painted steel sheet, hairline stainless steel, hairline titanium-coated stainless steel, mirror stainless steel, mirror titanium-coated stainless steel, stainless steel with irregularly-polished lines, titanium-coated stainless steel with irregularly-polished lines, sand-pattern stainless steel, sand-pattern titanium-coated stainless steel 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



Table with columns: Item, LEHY-III (P08W to P18G), Remarks. Rows include Specification Code, Capacity, Inner Width of Car AA, Inner Depth of Car BB, Door Open Width (CO) JJ, Door Open Width (ZS) JJ, Door Open Height HH, Top Landing Height OH, Pit Depth PD, Inner Width of Hoisway AH, Inner Depth of Hoisway BH, Inner Width of Machine Room AM, Inner Depth of machine room BM.

Note 1: When hoisway 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.

Table with columns: Item, LEHY-III (P-18 to P-33), Remarks. Rows include Specification Code, Capacity, Inner Width of Car AA, Inner Depth of Car BB, Door Open Width (CO) JJ, Door Open Width (ZS) JJ, Door Open Height HH, Top Landing Height OH, Pit Depth PD, Inner Width of Hoisway AH, Inner Depth of Hoisway BH, Inner Width of Machine Room AM, Inner Depth of machine room BM.

Note 1: When hoisway 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.

Item	Specifications						备注
Speed(m/s)	1	1.6	1.75	2	2.5	3	
Capacity(kg)	630	630	630				LEHY-III
	825	825	825	825	825	825	
	1050	1050	1050	1050	1050	1050	
	1200	1200	1200	1200	1200	1200	
	1350	1350	1350	1350	1350	1350	
	1600	1600	1600	1600	1600		
	1800	1800	1800				LEHY-IIIW
	2025	2025	2025				
	2250	2250	2250				
2500	2500	2500					
Max. Travel Height TR(m)	55	90	90	120	120	150	
Specification Code	P08W, P08D						For 630kg capacity
	P11W, P11D						For 825kg capacity
	P14W, P14D, P14R						For 1050kg capacity
	P16W, P16D						For 1200kg capacity
	P18G, P-18, P18D						For 1350kg capacity
	P21W, P-21, P21D, P21L						For 1600kg capacity
	P-24						For 1800kg capacity
	P-27						For 2050kg capacity
	P-30						For 2250kg capacity
P-33						For 2500kg capacity	
Car Type	Wide car						For specification codes P08W, P11W, P14W, P14R, P16W, P18G, P-18, P21W, P-21, P-24, P-27, P-30, P-33
	Deep car						For specification codes P08D, P11D, P14D, P16D, P18D, P21D, P21L
Counterweight Position	Back						For specification codes P11W, P14W, P14R, P16W, P18G and speed $\leq$ 3m/s.
	Back						For specification codes P21W and speed $\leq$ 2.5m/s.
	Back						For specification codes P08W, P-24, P-27, P-30, P-33 and speed $\leq$ 1.75m/s.
	Side						For specification codes P08W, P08D and speed $\leq$ 1.75m/s; For specification codes P11W, P11D, P14W, P16W, P16D, P-18, P18D, P-21, P21D, P21L and speed $\leq$ 2.5m/s.
Door Type	1D1G						For back CWT
	1D1G, 1D2G, 2D2G						For side CWT
Door Opening Way	Two panel sliding, Center opening						LEHY-III. In the case where door type is 1D1G.
	Center opening						LEHY-III. In the case where door type is 1D2G, 2D2G.
	Center opening						LEHY-IIIW
Door Opening Direction	Left opening, Right opening						In the case where opening way is two panel sliding.
Counterweight Safety Gear	Not provided, Provided						LEHY-III
	Not provided						LEHY-IIIW
Nosing	Concrete nosing will be provided by the customer;						
	Steel nosing will be provided by the Seller.						
Min Storey Height (mm)	See civil construction drawing LEHY-III-94 for detail.						LEHY-III
	See civil construction drawing LEHY-IIIW-08 for detail.						LEHY-IIIW



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

Lift energy efficiency certificate according to VDI 4707 Part 1	
Manufacturer:	Shanghai Mitsubishi Elevator Co., Ltd.
Location:	No. 1, Peng Jia Wan, Hua Qiao Yuan, Guosheng City, Chongqing Province, P.R. China
Lift model:	LEHY-III
Lift type:	Passenger Lift
Serial number:	12N4Y10-489-G
Rated load:	1050kg
Rated speed:	2.0 m/s
Operating days per year:	365
Standby demand:	134 W
Specific travel demand:	0.791 kWh/(kg·m)
Energy demand class C:	Energy demand class A
Larger category 0 according to VDI 4707 Comparison of energy efficiency classes is possible under equal usage only.	
Date:	27.03.2014
Reference:	VDI 4707 Part 1 (Issue 03-2003)
Label No.:	0214515
Valid until:	28.06.2017

