上海三菱电梯
SHANGHAI MITSUBISHI ELEVATOR

LEHY-M-II/LEHY-H

Medium & High-Seed Passenger Elevator
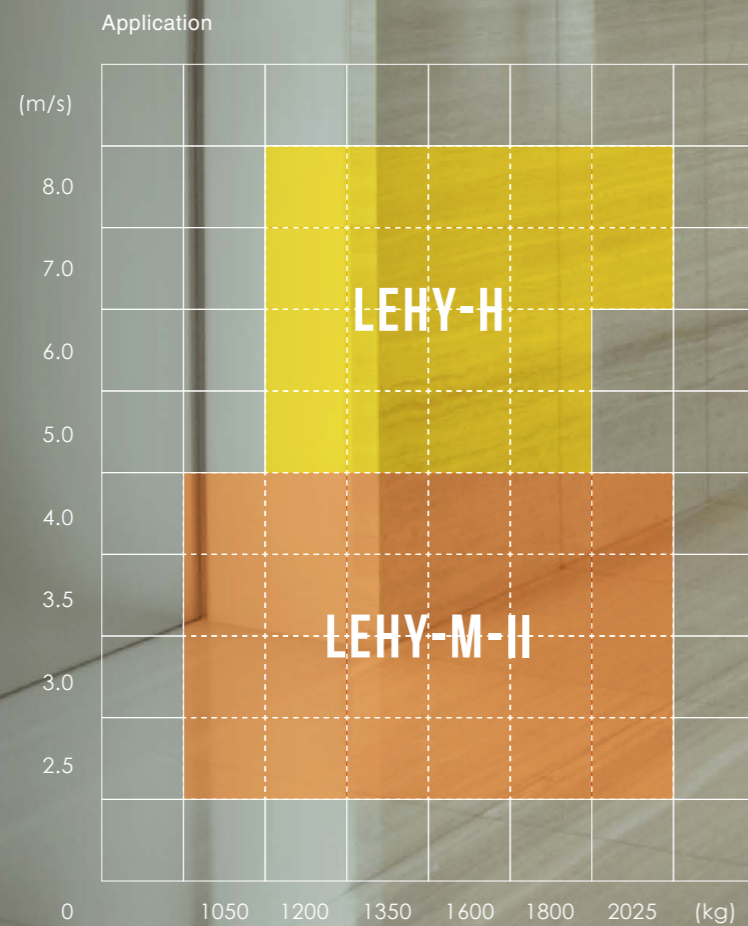
High Speed,High Comfort
PM Synchronous Medium & High-Speed Passenger Elevator

LEHY-M-II/LEHY-H

LEHY-M/H MEDIUM & HIGH-SPEED PASSENGER ELEVATOR

Comfortable, Smooth and Pleasant Ride Experience

LEHY-M-II/LEHY-H elevators are high-end elevators specially designed for applications including commercial buildings, shopping malls, hotels and luxury residential buildings. With Mitsubishi's advantages in technology, such as variable-voltage variable frequency (VVVF) drive technology, double-PWM energy feedback technology and data network control technology, LEHY-M-II/LEHY-H elevators have undoubtedly become classic among the elevators of the world today.
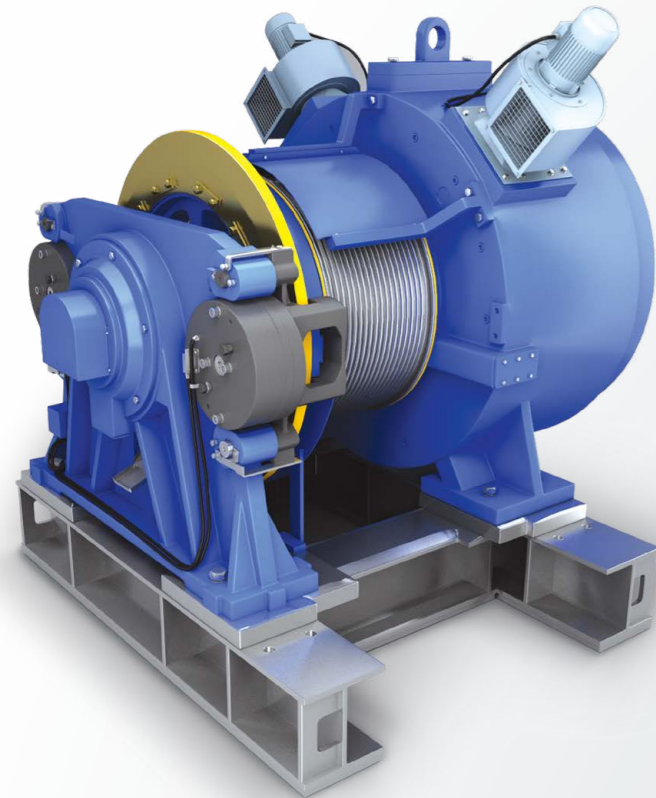
Application

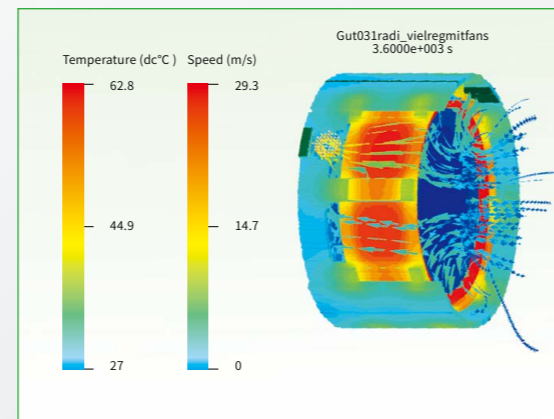| (m/s)							
8.0							
7.0				LEHY-H			
6.0							
5.0							
4.0							
3.5				LEHY-M-II			
3.0							
2.5							
0	1050	1200	1350	1600	1800	2025	(kg)

Absolute Upgrade of Traction Machine

LEHY-M-II/LEHY-H medium & high speed passenger elevator applies an efficient drive system and all-digital controls, increasing its speed to 8.0 m/s.

The new generation of high-performance PM synchronous gearless traction machine uses large brake discs and low-noise disc brake to guarantee safe and sufficient braking torque, which greatly reduces brake noise, increases safety and reliability and extends the service life. It also has sensitive weighing sensors to accurately detect the elevator load in real time and make up the load at start-up based on the pre-torque, thus eliminating the discomfort caused at start-up, operation and stopping, and providing a comfortable ride to passengers when the elevators is running at high speed.

LEHY-M-II elevator uses a heat pipe radiation system, which increases the radiation efficiency and reduces the space required for radiation.

Temperature (dc°C)	Speed (m/s)
62.8	29.3
44.9	14.7
27	0

Gut031radi_vielregmitfans 3.6000e+003 s
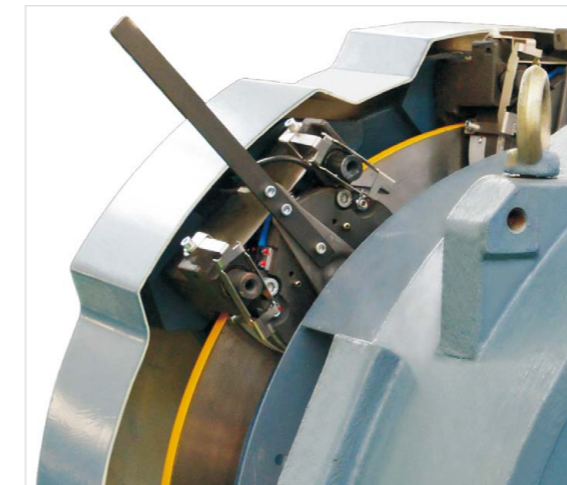
▲ Temperature field of traction machine

▲ PM synchronous gearless traction machine of LEHY-H elevator (PM traction machine of LEHY-H high-speed elevator)
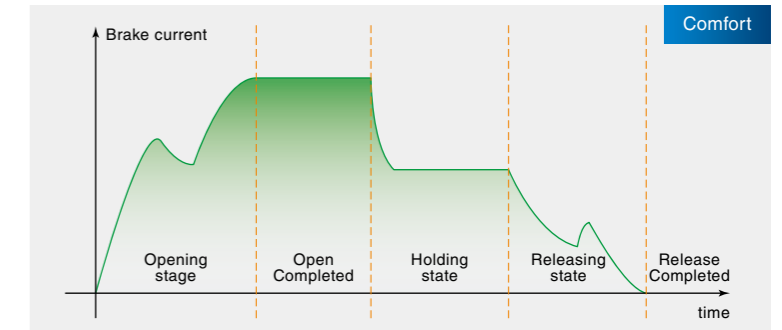

▶ PM synchronous gearless traction machine of LEHY-M-II elevator (PM traction machine of LEHY-M-II medium & high-speed elevator)

Mute Brake Control Technology

Compared with traditional open-loop voltage control, a more accurate closed-loop current control mode is now used to control the action speed and braking torque at all stages of the brake. This has remarkably reduced the noise when the brake works and improved the ride comfort.

Comfort

Brake current — Opening stage | Open Completed | Holding state | Releasing state | Release Completed — time

The Latest Generation of Super High-Power Module

LEHY elevator is the first to use the industry's most advanced super high-power module system. Multiple fast protection circuits can better protect the power module, thus further improving the reliability of the drive system. Meanwhile, advanced topology design increases the system's resistance to interference.

Safety
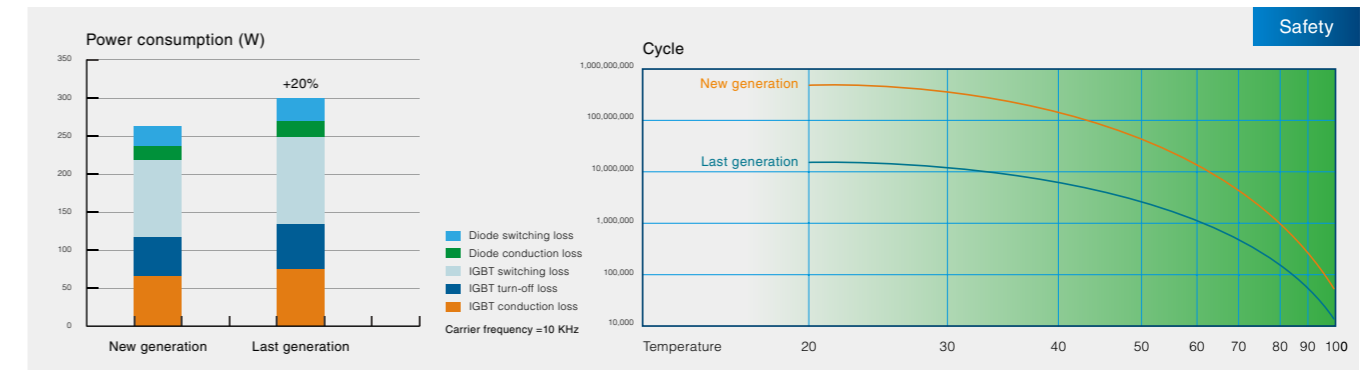
High-Performance and Intelligent CPU Control System

LEHY elevator uses various high-performance chips including 32-bit CPU, 32-bit high-speed data signal controller (DSC), and large-scale field programmable gate array (FPGA), and the world's advanced Surface Mount Technology (SMT) technology, which realizes all-digital control and motor drive to further improve the control performance and reliability of the system and guarantee the comfort and safety of the elevator.
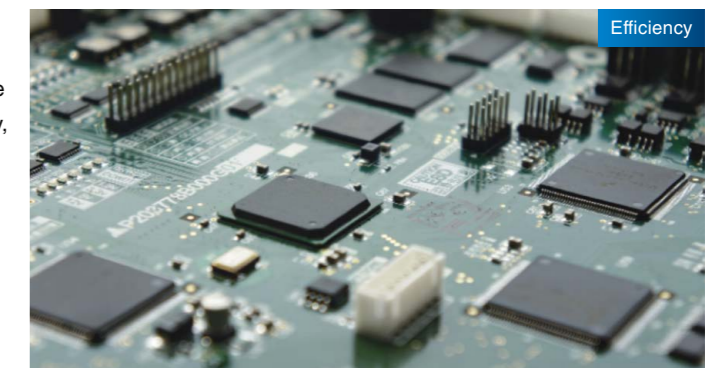
Efficiency

Application of Digital Technology

In recent years, Shanghai Mitsubishi has put in more efforts to apply and research digital technology in product R&D area. Regarding the structure, vibration, noise, transmission & control and other key technologies for high-speed elevators, Shanghai Mitsubishi has carried out systematic and component-level control simulation, multiphysics simulation and single- or multiple-field coupling simulation of stress field, flow field, heat field, sound field and electromagnetic field, and has applied a digital product research platform and a modern test platform to improve the capability and level of elevator development.
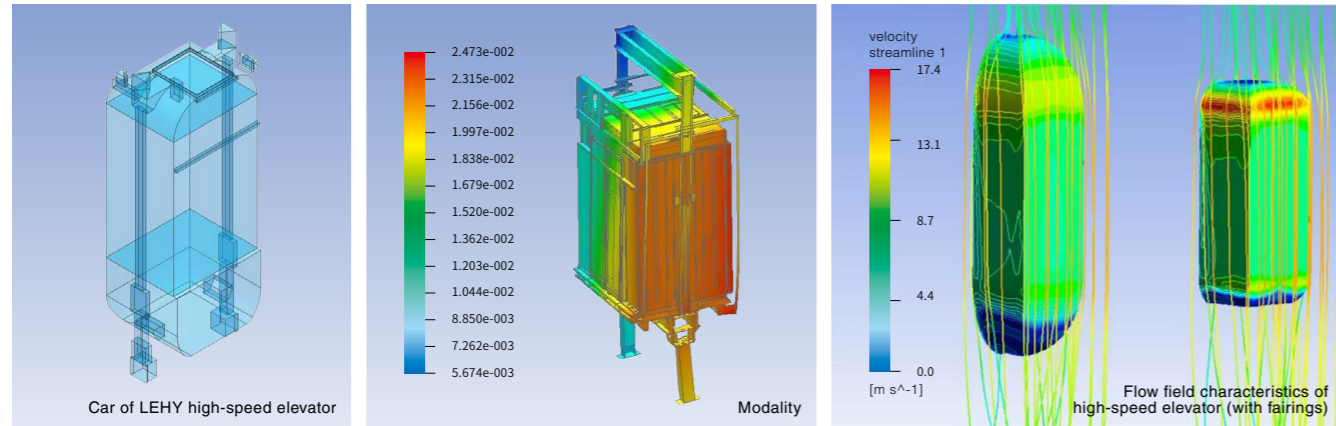

|		velocity streamline 1
	2.473e-002	17.4
	2.315e-002	
	2.156e-002	13.1
	1.997e-002	
	1.838e-002	8.7
	1.679e-002	
	1.520e-002	4.4
	1.362e-002	
	1.203e-002	0.0
	1.044e-002	[m s^-1]
	8.850e-003	
	7.262e-003	
	5.674e-003	
Car of LEHY high-speed elevator	Modality	Flow field characteristics of high-speed elevator (with fairings)

Energy Feedback Technology (Standard)

Double-PWM controlled energy feedback technology can feed the regenerative energy consumed by power resistors back to the grid without pollution, which saves energy by more than 30% than common VVVF elevators and complies with national standards for energy consumption.
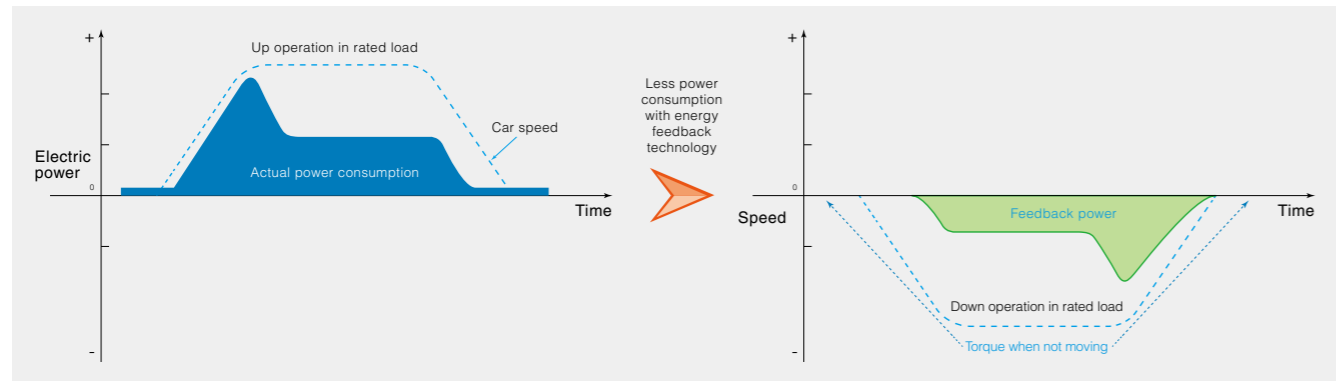

LIMAC Elevator Hoistway Safety System
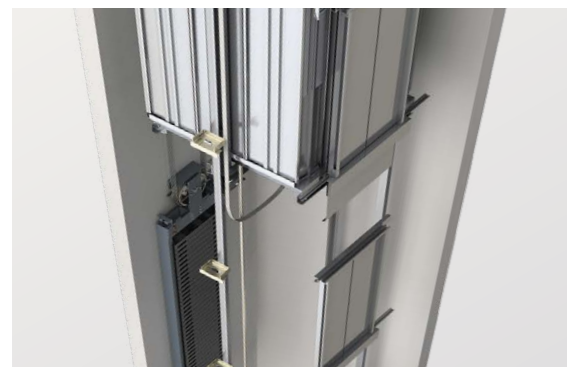
LIMAX elevator hoistway safety system is introduced from ELGO in Germany, which is compatible with reduced stroke buffers, thus enabling the elevator to reach SIL3, the highest safety integrity level in the elevator industry and solving the speed control problem in the hoistway (especially the top and bottom terminals).

Data Network Control Technology

Data network control technology based on CANBUS (filed bus) features high communication rate and large data volume, and use independent microprocessors respectively in the elevator car call controller, floor indicator in the car, door operator controller, buttons and floor indicators of each landing, and other various subsystems. Communications between various subsystems only need a few signal lines. This has greatly improved the reliability, resistance to electromagnetic interference and flexibility of the system and reduced the maintenance costs.
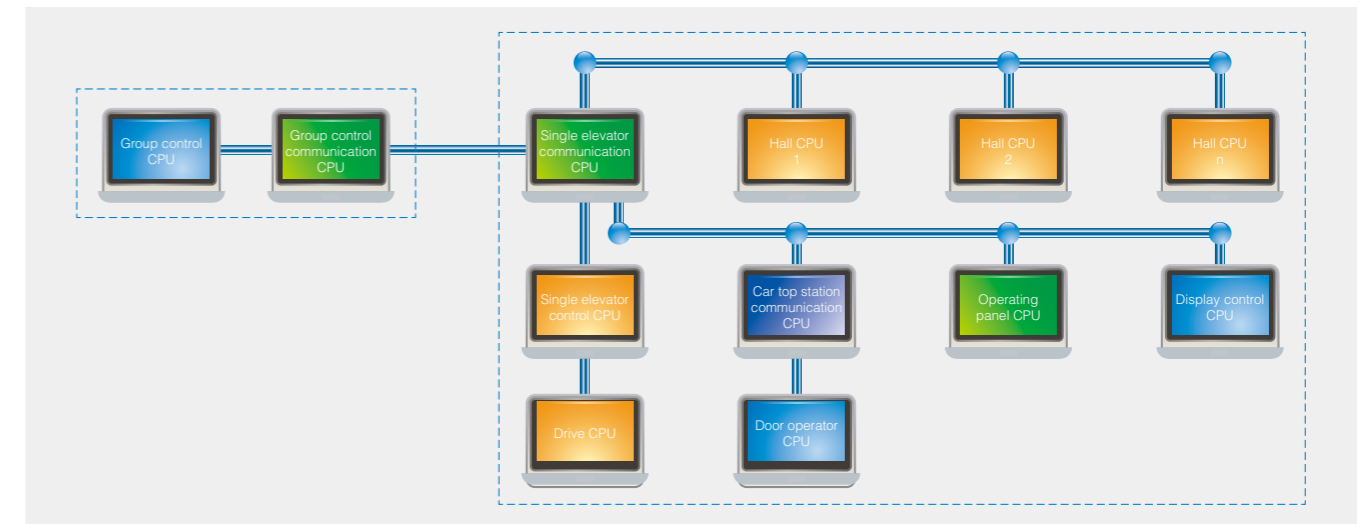
AC VVVF Speed Regulation Technology and All-Digital Control Technology

Shanghai Mitsubishi adheres to the philosophy of well-grounded development and constantly uses the latest technologies and components in VVVF drive of elevators enable VVVF speed regulation technology to develop rapidly towards high performance, high reliability, digitization and miniaturization. Shanghai Mitsubishi also adopts space vector pulse width modulation (SVPWM) technology to realize elevator speed regulation, takes the lead in adopting world's 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 rotation completely according to optimum speed variation curve and operate following the perfect speed curved optimized according to modern ergonomics principle. All these have realized all-digital control and motor drive in true sense and enabled the elevator to run smoothly, safely and efficiently.
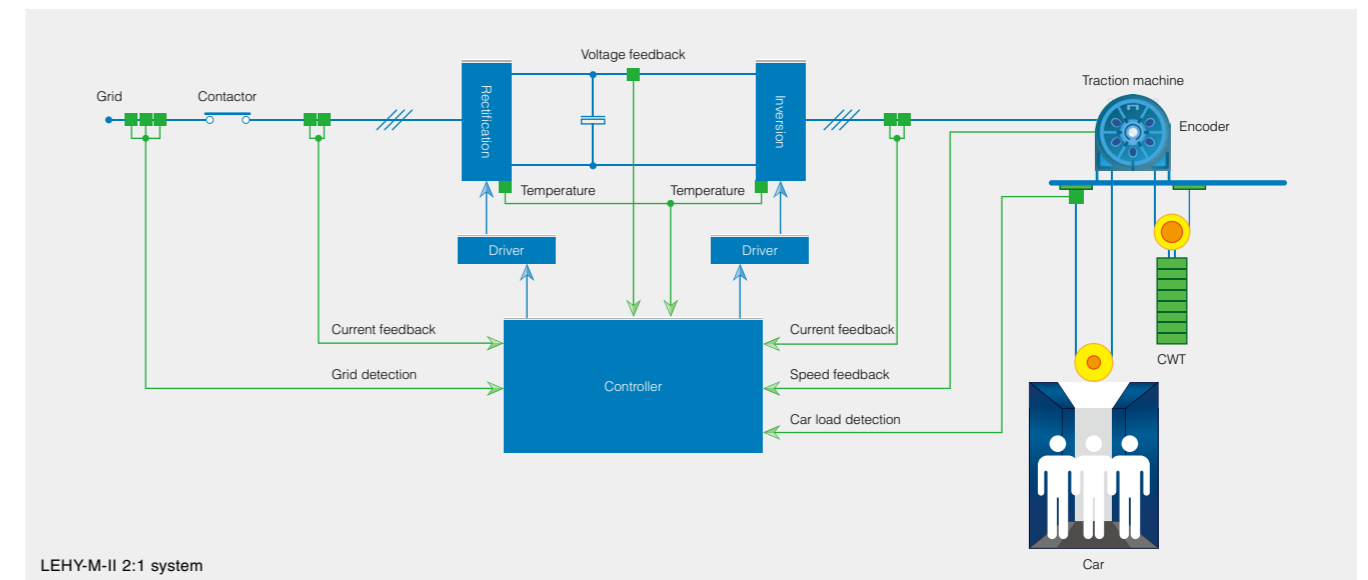
LEHY-M-II 2:1 system

Destination Oriented Allocation System (Optional)

Destionation Oriented Allocation System (DOAS) can greatly improve the utilization of the elevator and shorten average passenger wait time. When a passenger has pressed the button of the destination floor at the hall, DOAS will inform the passenger of the car allocated and the passenger can go and wait there. When the elevator has arrived, the passenger does not need to press the button in the car, because the elevator has registered the call automatically and will carry the passenger to the destination floor.

Intelligent Group Control System (Optional)

ITS-21 or ITS-2100 group control system uses a high-performance multi-core CPU processor for computing to process complex algorithms fast. A high-speed data network effectively increases the throughput and scalability of the system. The application of expert system, fuzzy logic technology and neural network technology can allocate the car intelligently, thus greatly shortening passenger wait time and ride time and reducing the energy consumption of the elevators operated inside the building.
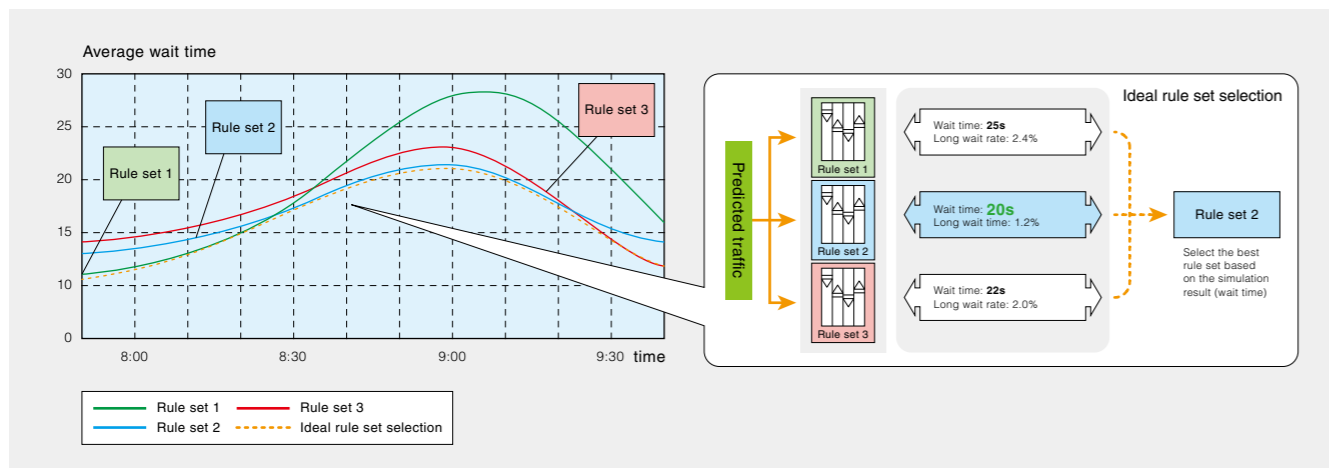
New-generation Decoration System

A universal decoration system is applied to all LEHY elevators, including LEHY-III, LEHY-MRL, LEHY-M-II and LEHY-H. On the basis of preliminary survey and demand analysis, the newly developed decoration system has much better flexibility and responsiveness and provides customers with different grades and styles of decoration.

Easy-to-Install Wall-mounted Hall Call

To install the hall call without bottom-box, a rectangle cut-out is not required on the wall, but a small round hole, making the installation easier and more convenient.

Cut-out on the wall

Easily Recognizable Glimmering Buttons

The buttons glimmer in standby mode by design, making the numbers on the buttons easily recognizable even in the dark.

New Integrated Car Applicable to Various Architectural Styles

Residential building   Office building   Hotel   Villa
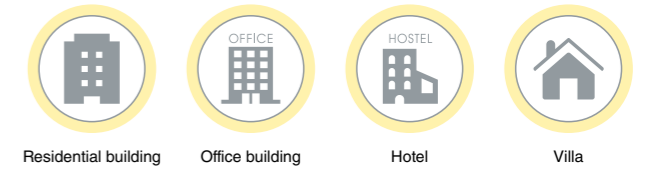
The new integrated car is applicable to most buildings and has various styles available to meet customer needs.
• No additional decoration layer, less space, less cost;
• One-time delivery, less labor, less time;
• OEM product, safe and secure.

Energy-saving and Environment Friendly LED Lighting

Car ceilings of LEHY-M-II/LEHY-H elevators use LED lighting with a service life five times longer than conventional fluorescent lamps, saving energy by at least 50% and substantial maintenance costs and using costs.

Interior lighting
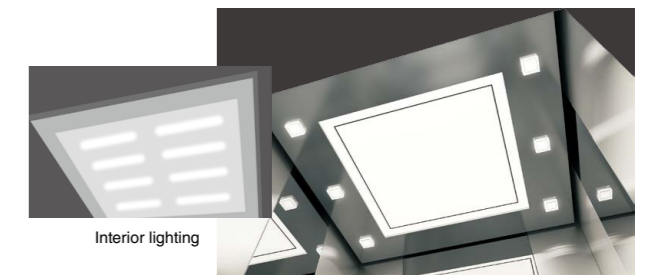
Durable Buttons

Buttons can be pressed up to 500 times and have reinforced stainless steel button caps specially designed for residential elevators. They also have anti-drop snap hook design.

(A block of 1 kg drops down to the button surface from a height of 0.5 m three times and the button can still work normally. This is higher than the requirements for Category 1 elevators in EN81-71.)

Anti-drop hook design

Overview

Design

Features

Specifications

Civil Engineering

Safe and Secure

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Pictures of computer painting may slightly differ from the actual.

Car Design

Notes: 1.Type of floor, handrail & COP is alternative. Material of front eturn panel, transom panel & car door is alternative, please refer to material sheet.
2.If you have other requirements of cabin configuration, please contact with sales department of Shanghai Mitsubishi.
3.Car size: AA=1600mm, BB=1500mm, HH=2100mm, HL=2400mm.
4.Ceiling size: AA=1600mm, BB=1500mm.

Pinzun Cabinet ZCD-020G   LED

Car Ceiling	ZCL-DS12
Car Operation Panel	ZCBD01-T710 (Primary)
	ZCBD01-T760 (Auxiliary)
	(Faceplate : Mirror Stainless Steel)
Front Return Panel	Mirror Stainless Steel
Side Walls	Titanium-coated Etched Hairline Stainless Steel
	(ZHF-003+ZDT-005)
Back Wall	Two-side Panel: Titanium-coated Etched
	Hairline Stainless Steel (ZHF-003+ZDT-005)
	Central Panel: Mirror Stainless Steel
Car Door	Mirror Stainless Steel
Lintel	Mirror Stainless Steel
Handrails	Two-side Stainless Steel Oblique Handrail
	(ZYH-SH01)
Floor	Marble Floor (ZSC-001)

Modern Simple

Overview

Design

Features

Specifications

Civil Engineering

Safe and Secure
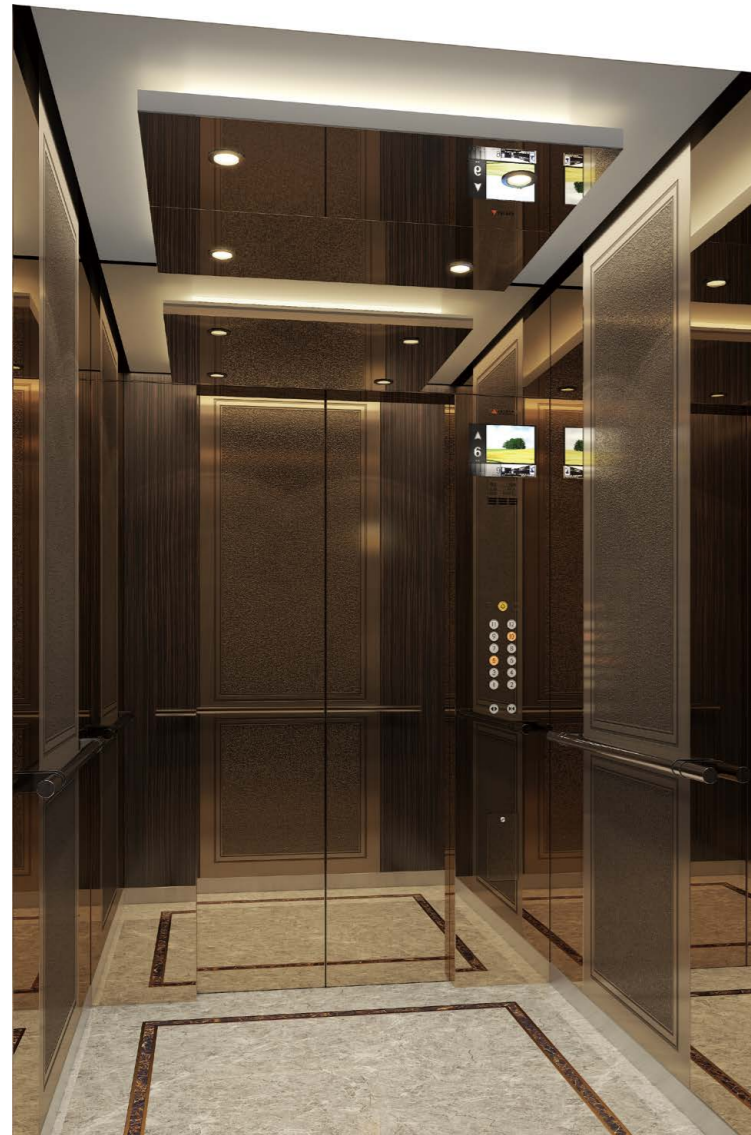
Jueshi House ZCD-022X
LED

Car Ceiling	ZCL-GS08
Car Operation Panel	ZCBB02-T710 (Faceplate: Titanium-coated Mirror Stainless Steel ZDT-006)
Front Return Panel	Titanium-coated Mirror Stainless Steel (ZDT-006)
Side Walls	Two-side Panel: Titanium-coated Mirror Stainless Steel (ZDT-006)
	Central Panel: Etched Hairline and Antique Bronze Treated Stainless Steel (ZHF-002)
Back Wall	Two-side Panel: Film Pressed Steel (ZYM-016)
	Central Panel: Etched Hairline and Antique Bronze Treated Stainless Steel (ZHF-002)
Car Door	Titanium-coated Mirror Stainless Steel (ZDT-006)
Lintel	Titanium-coated Mirror Stainless Steel (ZDT-006)
Handrails	Three-side Stainless Steel Round Handrail (ZYH-RH01)
Floor	Marble Floor (ZSC-014)

New Classics

Guixin House ZCD-019X
LED

Car Ceiling	ZCL-GS16 (Color Code: Y033)
Car Operation Panel	ZCBA11-T710 (Faceplate: Mirror Stainless Steel)
Front Return Panel	Mirror Stainless Steel
Side Walls	Two-side Panel: Mirror Stainless Steel
	Central Panel: Film Pressed Steel (ZYM-014)
Back Wall	Two-Side Panel: Mirror Stainless Steel
	Central Panel: Etched Mirror Stainless Steel (ZHY-013)
Car Door	Mirror Stainless Steel
Lintel	Mirror Stainless Steel
Floor	Marble Floor (ZSC-002)

Modern Luxury

Overview

Design

Features

Specifications

Civil Engineering

Safe and Secure
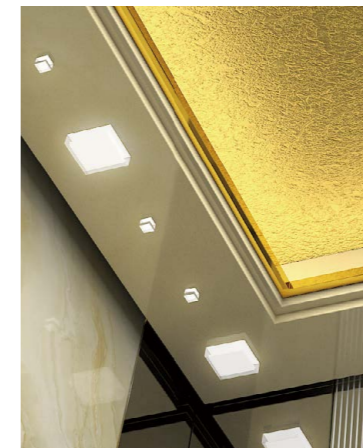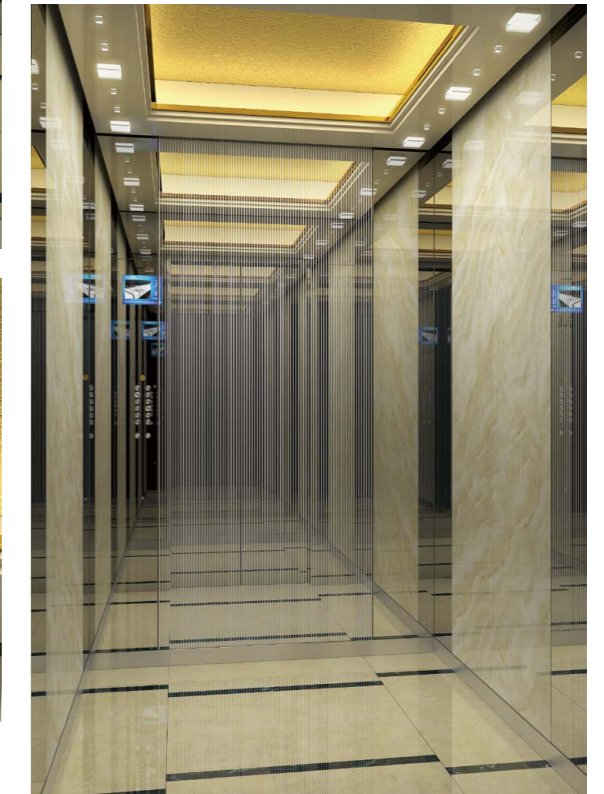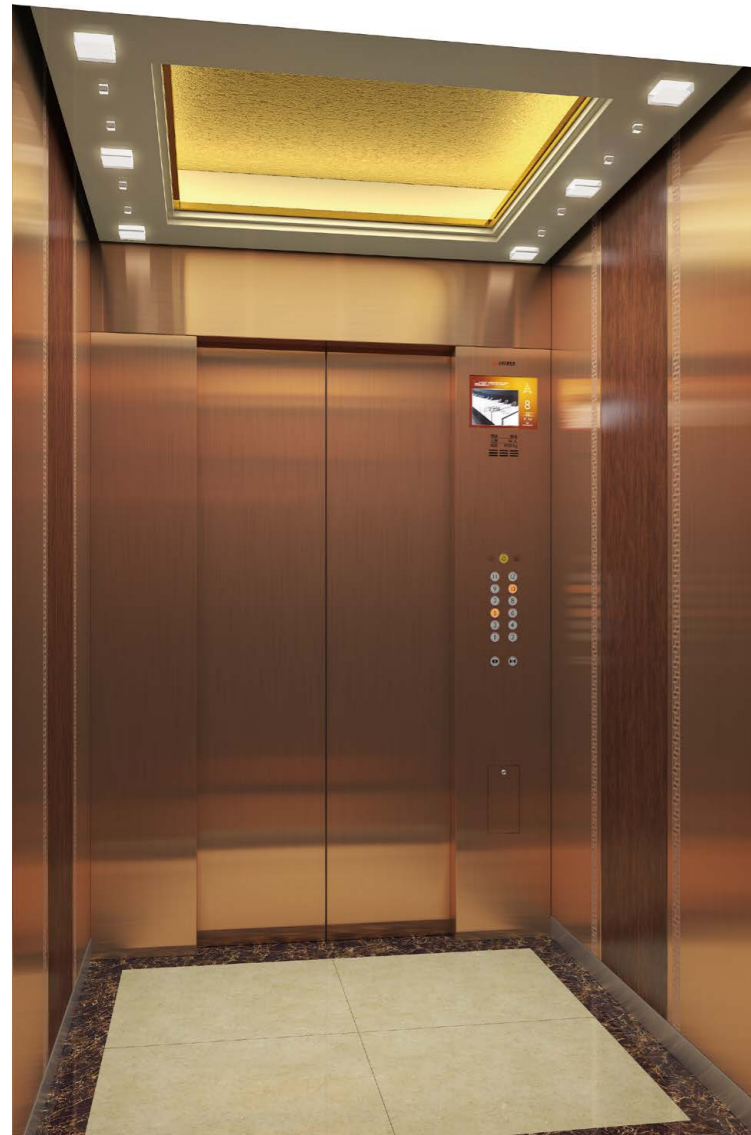
Zijing House ZCD-021X

Car Ceiling	ZCL-GS16 (Color Code: Y033)
Car Operation Panel	ZCBB02-T710 (Faceplate: Titanium-coated Hairline Stainless Steel ZDT-001)
Front Return Panel	Titanium-coated Hairline Stainless Steel (ZDT-001)
Side Walls	Two-side Panel: Titanium-coated Etched Hairline Stainless Steel (ZHY-028+ZDT-001) Central Panel: Film Pressed Steel (ZYM-001)
Back Wall	Two-side Panel: Film Pressed Steel (ZYM-001) Central Panel: Titanium-coated Etched Mirror Stainless Steel (ZHY-027+ZDT-001)
Car Door	Titanium-coated Hairline Stainless Steel (ZDT-001)
Lintel	Titanium-coated Hairline Stainless Steel (ZDT-001)
Floor	Marble Floor (ZSC-011)
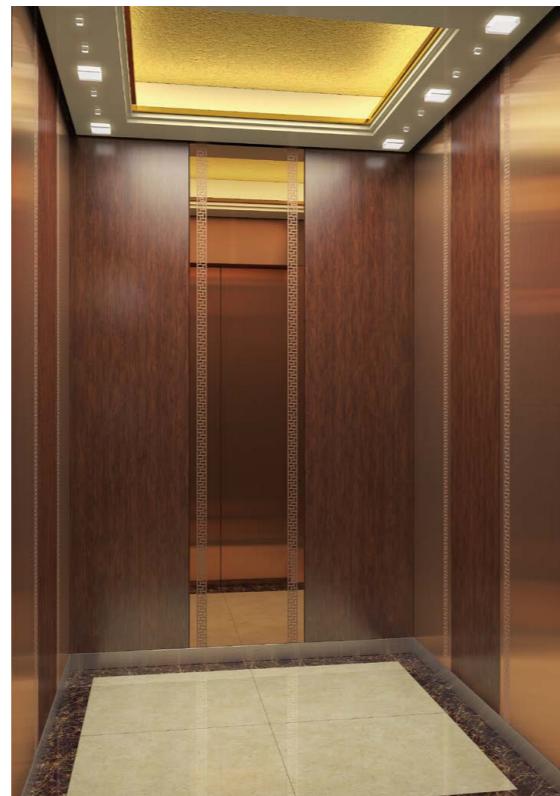
Modern Chinese

Ju Ying Ge ZCD-023G

Car Ceiling	ZCL-DS13
Car Operation Panel	ZCBA23-T310 (Faceplate: Titanium-coated Irregular-line Stainless Steel ZDT-005)
Front Return Panel	Titanium-coated Irregular-line Stainless Steel (ZDT-005)
Side Walls	Titanium-coated Irregular-line Stainless Steel (ZDT-005)
Back Wall	Two-side Panel: Titanium-coated Irregular-line Stainless Steel (ZDT-005) Central Panel: Mirror Stainless Steel
Car Door	Titanium-coated Irregular-line Stainless Steel (ZDT-005)
Lintel	Titanium-coated Irregular-line Stainless Steel (ZDT-005)
Handrails	Three-side Stainless Steel Round Handrail (ZYH-RH02)
Floor	Marble Floor (ZSC-015)

Modern simple

Overview

Design

Features

Specifications

Civil Engineering

Safe and Secure

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Pictures of computer painting may slightly differ from the actual.

Shuyue Cabinet ZCD-024G LED

Car Ceiling	ZCL-GN04
Car Operation Panel	ZCBA11-T310 (Faceplate: Hairline Stainless Steel)
Front Return Panel	Hairline Stainless Steel
Side Walls	Metallic Painted Steel (ZJS-011G)
Back Wall	Two-side Panel: Mirror Stainless Steel Central Panel: Wiredrawing Irregular-line Stainless Steel (ZLF-001)
Car Door	Hairline Stainless Steel
Lintel	Hairline Stainless Steel
Handrails	Two-side Stainless Steel Round Handrail (ZYH-RH01)
Floor	Marble Floor (ZSC-001)

Modern simple

Qinfang House ZCD-017X LED

Car Ceiling	ZCL-GN05
Car Operation Panel	ZCBA12-C510 (Faceplate: Hairline Stainless Steel)
Front Return Panel	Hairline Stainless Steel
Side Walls	Film Pressed Steel (ZYM-015)
Back Wall	Two-side Panel: Mirror Stainless Steel Central Panel: Wiredrawing Mirror Stainless Steel (ZLS-001)
Car Door	Hairline Stainless Steel
Lintel	Hairline Stainless Steel
Floor	Parquet Floor (ZPH-026)

Natural and Elegant

Overview

Design

Features

Specifications

Civil Engineering

Safe and Secure

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Pictures of computer painting may slightly differ from the actual.
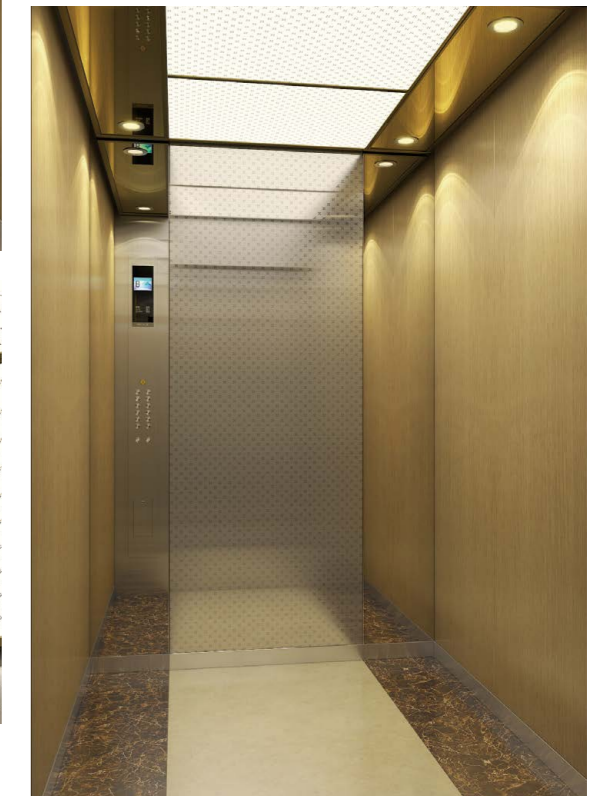
Jintai Cabinet ZCD-025G

LED

Car Ceiling	ZCL-GS06
Car Operation Panel	ZCBA14-C510 (Faceplate: Hairline Stainless Steel)
Wheel Chair Car Operation Panel	ZCBA04-F110 (Faceplate: Mirror Stainless Steel)
Front Return Panel	Hairline Stainless Steel
Side Walls and Back Wall	Two-side Panel: Hairline Stainless Steel
	Central Panel: Mirror Stainless Steel
Car Door	Hairline Stainless Steel
Lintel	Hairline Stainless Steel
Handrails	Three-side Stainless Steel Round Handrail (ZYH-RH02)
Floor	Parquet Floor (ZPH-034)

Modern simple

Yishu Cabinet ZCD-022G

LED

Car Ceiling	ZCL-GN02
Car Operation Panel	ZCBA11-C510 (Faceplate: Hairline Stainless Steel)
Front Return Panel	Hairline Stainless Steel
Side Walls	Hairline Stainless Steel
Back Wall	Two-side Panel: Hairline Stainless Steel
	Central Panel: Etched Mirror Stainless Steel (ZHY-013)
Car Door	Hairline Stainless Steel
Lintel	Hairline Stainless Steel
Handrails	Rear-side Stainless Steel Round Handrail (ZYH-RH02)
Floor	Parquet Floor (ZPH-028)

Modern simple

Overview | Design | Features | Specifications | Civil Engineering | Safe and Secure

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Pictures of computer painting may slightly differ from the actual.

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Xingyu Court ZCD-022T   *LED*

Car Ceiling	ZCL-GN03
Car Operation Panel	ZCBA12-C210 (Faceplate: Hairline Stainless Steel)
Front Return Panel	Hairline Stainless Steel
Side Walls	Hairline Stainless Steel
Back Wall	Titanium-coated Mirror-blasted Stainless Steel (ZPS-002+ZDT-001)
Car Door	Hairline Stainless Steel
Lintel	Hairline Stainless Steel
Handrails	Two-side Stainless Steel Round Handrail (ZYH-RH02)
Floor	Parquet Floor (ZPH-031)
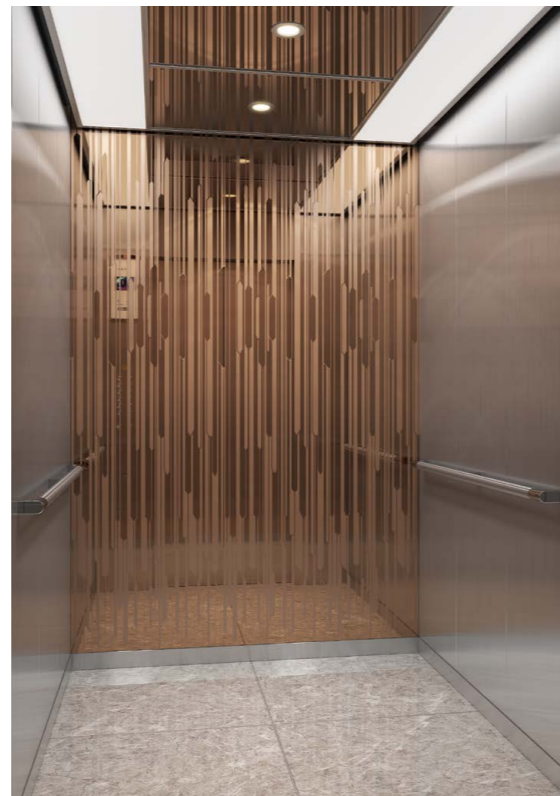
Modern Urban

Yinlin Court ZCD-023T   *LED*

Car Ceiling	ZCL-SS06
Car Operation Panel	ZCBA11-C510 (Faceplate: Hairline Stainless Steel)
Front Return Panel	Hairline Stainless Steel
Side Walls	Etched Hairline Stainless Steel (ZHY-026)
Back Wall	Two-side Panel: Etched Hairline Stainless Steel (ZHY-026)
	Central Panel: Mirror Stainless Steel
Car Door	Hairline Stainless Steel
Lintel	Hairline Stainless Steel
Handrails	Two-side Stainless Steel Oblique Handrail (ZYH-SH01)
Floor	Parquet Floor (ZPH-032)

Modern luxury

Overview | Design | Features | Specifications | Civil Engineering | Safe and Secure
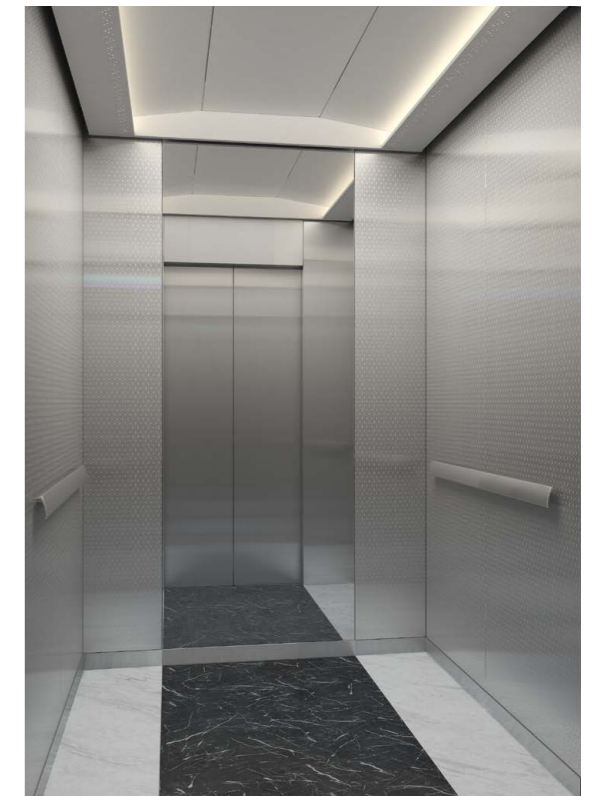
Jingyue Court ZCD-020T *LED*

Car Ceiling	ZCL-SS08 (Color Code: Y033)
Car Operation Panel	ZCBA11-C510 (Faceplate: Hairline Stainless Steel)
Wheel Chair Car Operation Panel	ZCBA04-F110 (Faceplate: Hairline Stainless Steel)
Front Return Panel	Hairline Stainless Steel
Side Walls	Hairline Stainless Steel
Back Wall	Two-side Panel: Hairline Stainless Steel Central Panel: Mirror Stainless Steel
Car Door	Hairline Stainless Steel
Lintel	Hairline Stainless Steel
Handrails	Three-side Stainless Steel Round Handrail (ZYH-RH02)
Floor	Parquet Floor (ZPH-033)
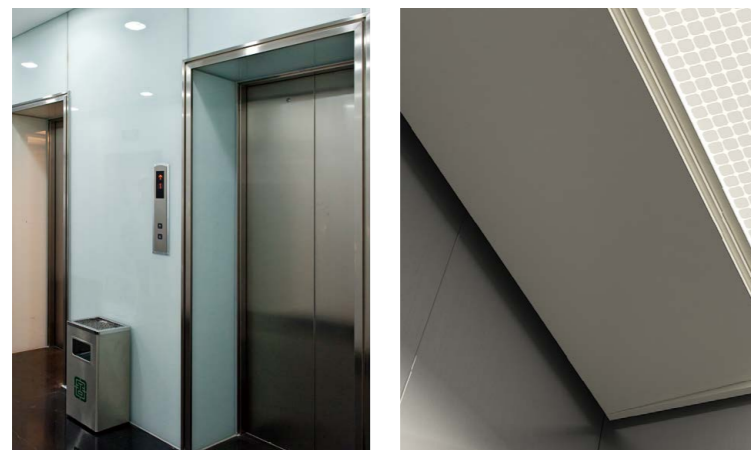
Modern simple

Pinxuan Court ZCD-019T *LED*

Car Ceiling	ZCL-SN03 (Color Code: Y033)
Car Operation Panel	ZCBA09-C110 (Faceplate: Hairline Stainless Steel)
Front Return Panel	Hairline Stainless Steel
Side Walls	Painted Steel (Y023)
Back Wall	Two-side Panel: Painted Steel (Y023) Central Panel: Mirror Stainless Steel
Car Door	Hairline Stainless Steel
Lintel	Hairline Stainless Steel
Handrails	Rear-side Stainless Steel Round Handrail (ZYH-RH02)
Floor	PVC Floor (ZPR-012)

Haoyue Court ZCD-021T *LED*

Car Ceiling	ZCL-SS07 (Color Code: Y033)
Car Operation Panel	ZCBA11-C510 (Faceplate: Hairline Stainless Steel)
Front Return Panel	Hairline Stainless Steel
Side Walls	Hairline Stainless Steel
Back Wall	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)
Floor	PVC Floor (ZPR-001)

Overview | Design | Features | Specifications | Civil Engineering | Safe and Secure
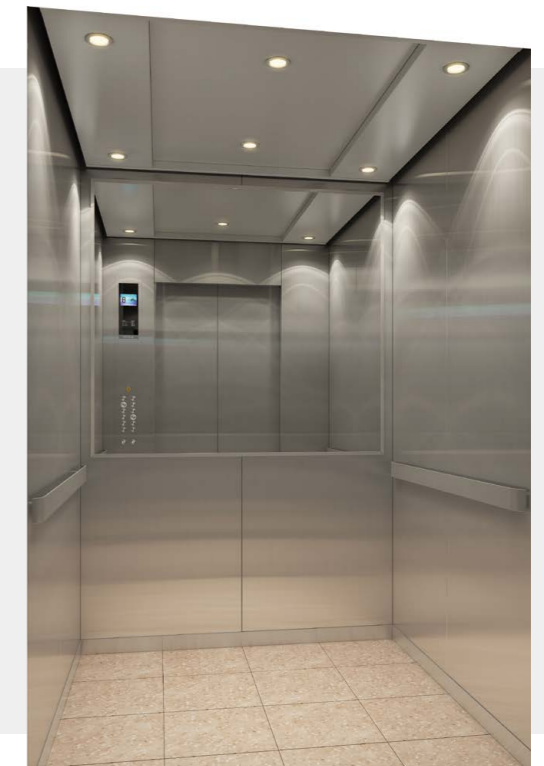
ZCL-DS12 (optional)
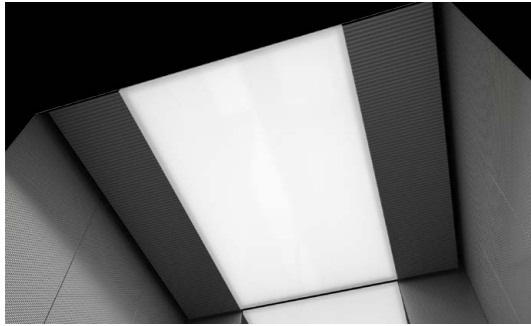
Lighting: Central direct lighting;
Material: Central imported high-grade white translucent soft film, two-side hairline etched black-plated titanium stainless steel;
Thickness: 200mm.

ZCL-GS16 (optional)
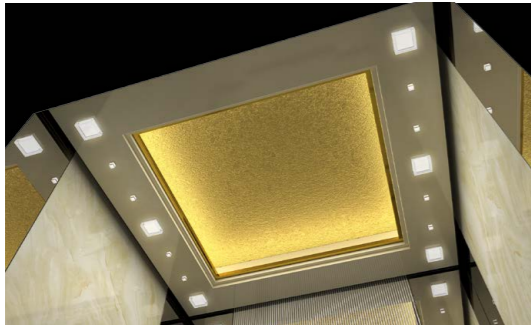
Lighting: Central floodlight key lighting; two-side auxiliary lighting;
Material: Central floodlight gold foil, ambient Painted steel sheet (color code:Y033*¹), two-side acrylic crystal hanging pieces;
Thickness: 200mm.

ZCL-GN04 (optional)

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

ZCL-GS06 (optional)
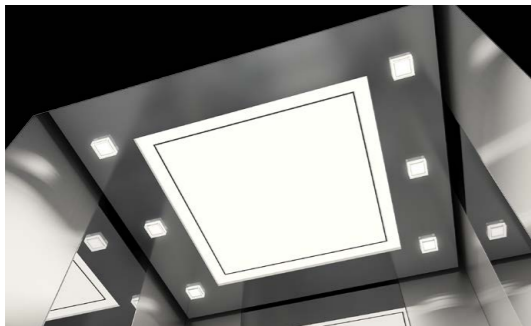
Lighting: Central direct lighting; two-side auxiliary lighting;
Material: Central milk white printed acrylic lighting board, ambient metallic painting steel sheet, two-side acrylic crystal hanging pieces;
Thickness: 200mm.

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;
Material: Central milk white printed acrylic lighting board, two-side golden mirror acrylic panel, aluminum alloy frame;
Thickness: 200mm.

ZCL-GN02 (optional)
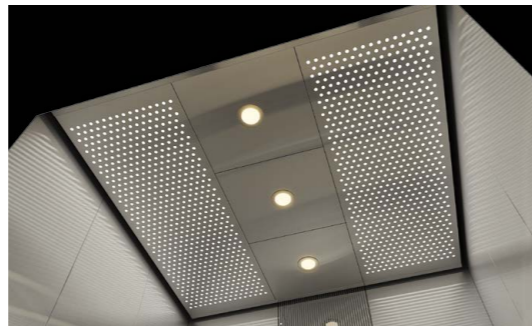
Lighting: Central down lamp lighting; two-side lighting board lighting;
Material: Hairline stainless steel ceiling panels;
Thickness: 200mm.

ZCL-GN03 (optional)
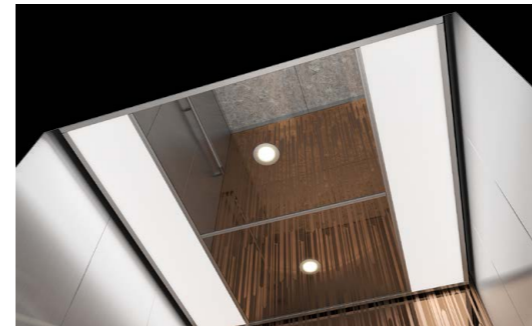
Lighting: Central down lamp lighting; two-side lighting board lighting;
Material: Central mirror acrylic lighting board, two-side milk white acrylic lighting boards, aluminum alloy frame;
Thickness: 200mm.

ZCL-SS08 (optional)

Lighting: Central direct lighting;
Material: Central milk white printed lighting board, two-side coating steel sheet (color code: Y033*¹)
Thickness: 200mm.

ZCL-SS07 (optional)

Lighting: Down light direct lighting;
Material: Coating steel sheet ceiling (color code: Y033*¹);
Thickness: 100mm.

ZCL-SS06 (optional)
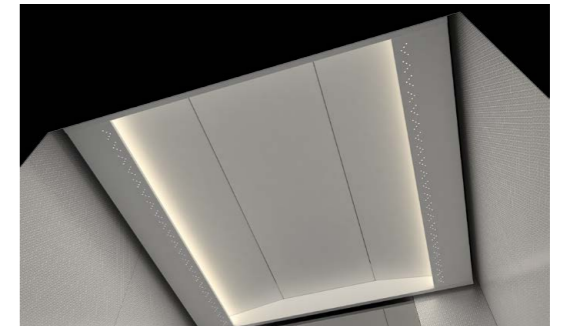
Lighting: Two-side warm floodlight lighting;
Material: Painted steel sheet ceiling plate (color code: Y033);
Thickness: 200mm.

ZCL-SN03 (optional)

Lighting: Central direct lighting;
Material: Central milk white light guide plate, peripheral coating steel sheet ceiling (color code: Y033*¹);
Thickness: 100mm.

ZCL-CN01 (Empty Car Roof)
By others (ceiling thickness 100mm).

ZCL-CN08 (Empty Car Roof)
By others (ceiling thickness 200mm).

Notes: 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.

21   **Note:** If other colors are in need, select in accordance with the color panel palette of Shanghai Mitsubishi.

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Human-Machine Component Design
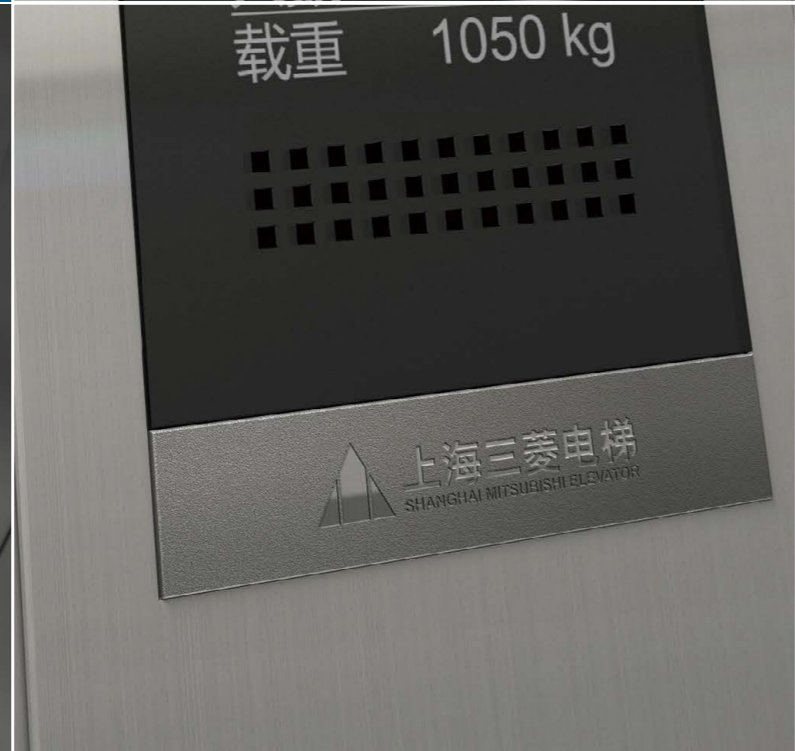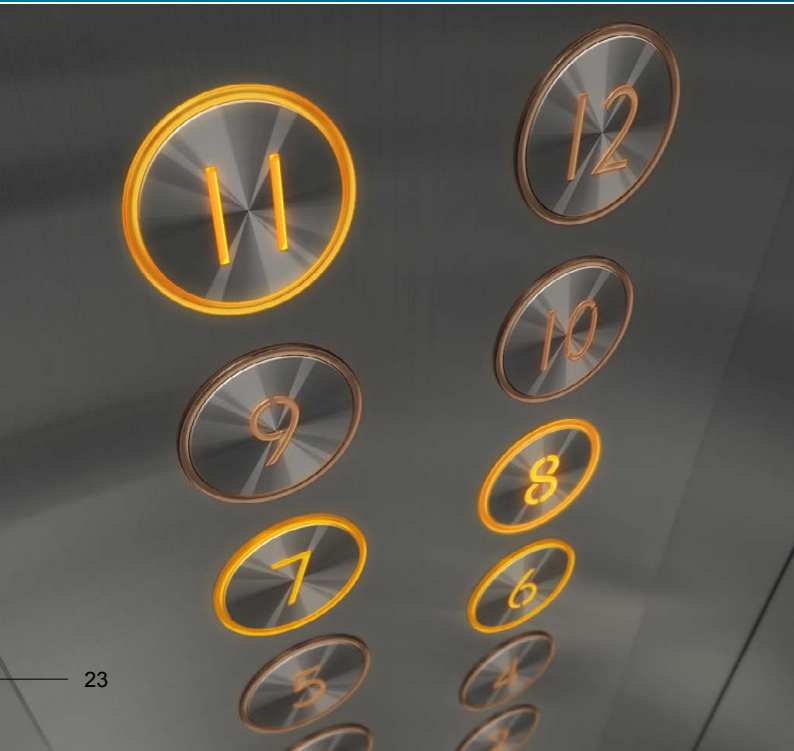
Front Wall Half Height Operation Panel

用途　　　乘用
人数　　　14 人
载重　　　1050 kg
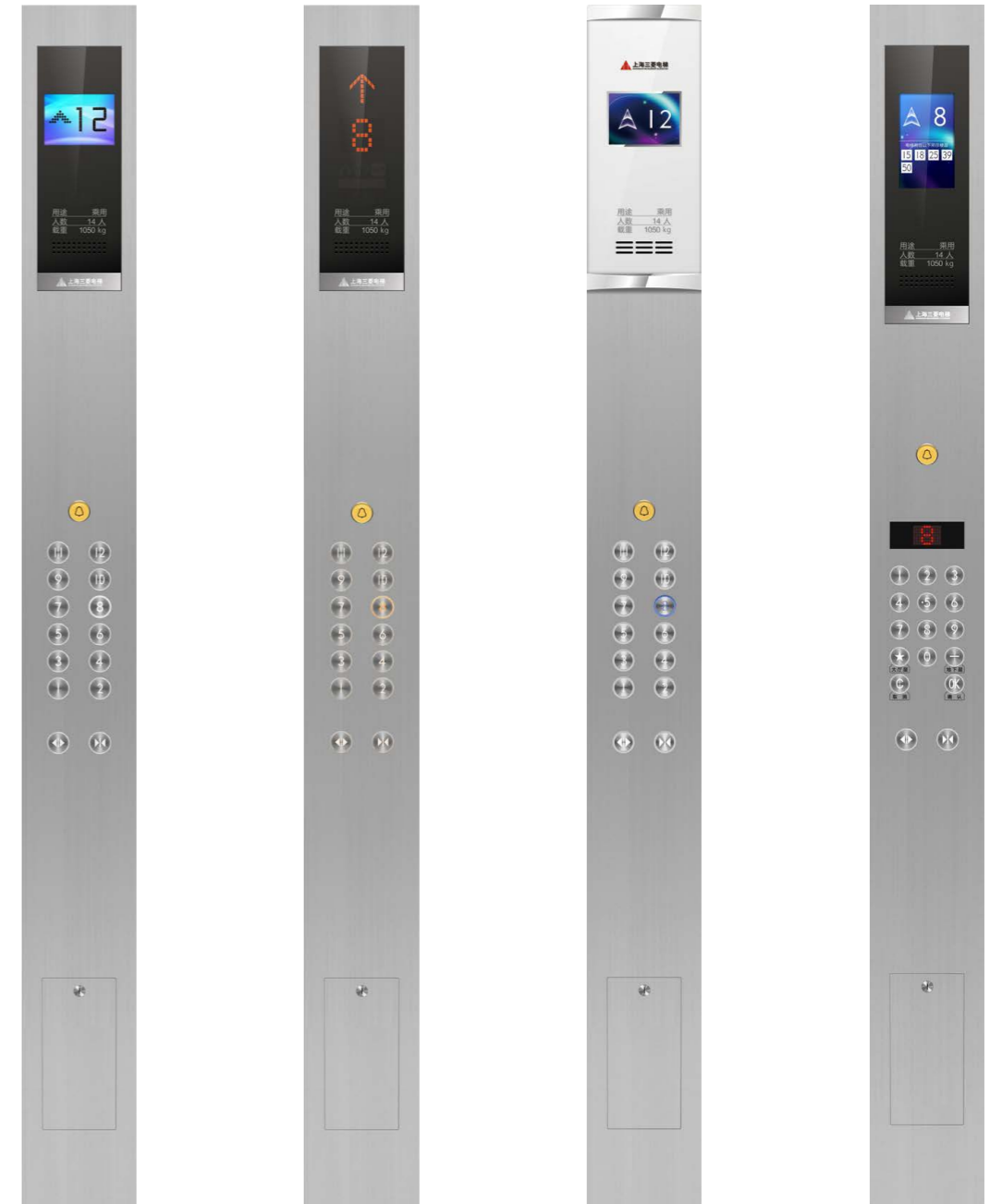
ZCB■-C510(Primary)
ZCB■-C560(Auxiliary)

5.7" Color segmented LCD, fine and vivid.
Stainless Steel Panel.
The buttons are exchangeable*1,
The figure shown is A11 button.

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

Amber LED, classic and durable.
Stainless Steel Panel.
The buttons are exchangeable*1,
The figure shown is A12 button.

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

5.7" TFT LCD, fine and vivid.
Stainless Steel Panel.
The buttons are exchangeable*1,
The figure shown is A23 button.

ZCB■-CD10(Primary)*3
ZCB■-CD60(Auxiliary)*3

10-key operating panel.
7" TFT LCD, fine and vivid.
Stainless Steel Panel.
The buttons are exchangeable*2,
The figure shown is A01 button.

Notes: Configurable when front wall width ≥250mm.
Please refer to Page 33 for LCD.
*1 The symbol ■ represents the button model; please select the button model from Page 30; It is recommended to select A01–A06 buttons when the parking floors of front wall half-height operation panel exceed 28 floors.
*2 A01–A06 button is optional. For details, see Page 30.
*3 Requires non-standard design. For any requirement, contact the sales staff.

Pictures of computer painting may slightly differ from the actual.

Side Wall Full-height Operation Panel

ZCB■-R510(Primary)
ZCB■-R560(Auxiliary)

5.7" Color segmented LCD,
fine and vivid.
Stainless Steel Panel.
The buttons are exchangeable*1,
The figure shown is A11 button.

ZCB■-R110(Primary)
ZCB■-R160(Auxiliary)

Amber LED, classic and durable.
Stainless Steel Panel.
The buttons are exchangeable*1,
The figure shown is A12 button.

ZCB■-R210(Primary)
ZCB■-R260(Auxiliary)

5.7" TFT LCD, fine and vivid.
Stainless Steel Panel.
The buttons are exchangeable*1,
The figure shown is A23 button.

ZCB■-RD10(Primary)*3
ZCB■-RD60(Auxiliary)*3

10-key operating panel.
7" TFT LCD, fine and vivid.
Stainless Steel Panel.
The buttons are exchangeable*2,
The figure shown is A01 button.

Notes: Configurable when front wall width <250mm.
Please refer to Page 33 for LCD.
*1 The symbol ■ represents the button model, please select button from Page 30.
*2 A01–A06 button is optional. For details, see Page 30.
*3 Requires non-standard design. For any requirement, contact the sales staff.
*4 Only the operating panel shown here complies with GB/T24477 standard; whether the whole elevator meets the requirements still requires technical confirmation.

Side Wall Full-height Operation Panel (Comply with GB/T 24477 Standard)*4

ZCB■-R530(Primary)
ZCB■-R580(Auxiliary)

5.7" Color segmented LCD,
fine and vivid.
Stainless Steel Panel.
The buttons are exchangeable*5,
The figure shown is A04 button.

ZCB■-R130(Primary)
ZCB■-R180(Auxiliary)

Amber LED, classic and durable.
Stainless Steel Panel.
The buttons are exchangeable*5,
The figure shown is A04 button.

ZCB■-R230(Primary)
ZCB■-R280(Auxiliary)

5.7" TFT LCD, fine and vivid.
Stainless Steel Panel.
The buttons are exchangeable*5,
The figure shown is A04 button.

ZCB■-RD30(Primary)*3
ZCB■-RD80(Auxiliary)*3

10-key operating panel.
5.7" TFT LCD, fine and vivid.
Stainless Steel Panel.
The buttons are exchangeable*6,
The figure shown is A04 button.

Wheel Chair Operation Panel*7

ZCB■-F110(Primary)
ZCB■-F160(Auxiliary)

ZCB■-F130(Primary)
ZCB■-F180(Auxiliary)

Comply with GB/T 24477
Standard*4.

Notes: *5 Signal ■ represents the button model. The optional buttons of the operation panel in this page are A04, A05, A06 (complying with GB/T 24477 standard). See details in Page 30.
*6 A04–A06 button is optional. For details, see Page 30.
*7 Appearance difference between ZCB■-F130 and ZCB■-F110: The button of the first floor is protruded and has black frames on both sides. A04–A06 button is optional. For details, see Page 30.

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Front-wall Integrated Operation Panel

ZCB■-T310 (Primary)
ZCB■-T360 (Auxiliary)

(Configurable when front wall≥250).
8.4'' TFT LCD.
Stainless Steel Panel.
The figure shown is A11 button.

ZCB■-T710 (Primary)
ZCB■-T760 (Auxiliary)

(Configurable when front wall≥300).
10.4'' Multimedia LCD.
Stainless Steel Panel.
The figure shown is A23 button.

ZCB■-T410 (Primary)
ZCB■-T460 (Auxiliary)

(Configurable when front wall≥350).
12.1'' Multimedia LCD.
Stainless Steel Panel.
The figure shown is B02 button.

ZCB■-T810 (Primary)
ZCB■-T860 (Auxiliary)

(Configurable when front wall≥400).
15.0'' Multimedia LCD.
Stainless Steel Panel.
The figure shown is A24 button.

Notes: If integrated operating panel is selected, the side-wall decoration done by the customer during second decoration should be less than 15mm.
The symbol ■ represents the button model, please select button from Page 30.
Please refer to Page 33 for LCD.

Wall-mounted Landing Call (Without Bottom Box) *1

4.3'' Color Segmented LCD

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

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

4.3'' TFT LCD

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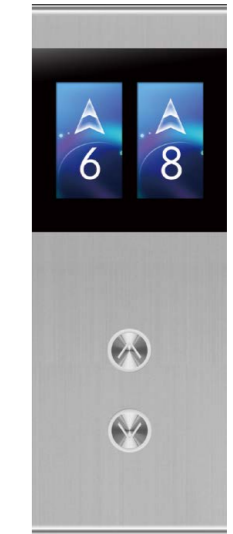
ZPI●-GA20
Stainless Steel Panel.
Without Bottom Box.
The figure shown is
A23 button.

4.3'' Color Segmented LCD

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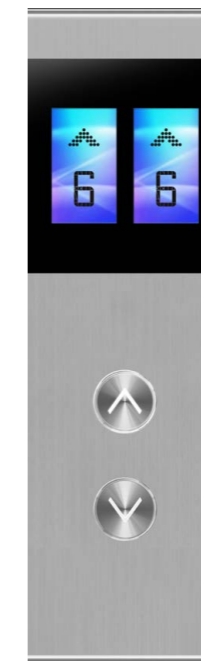
ZPI●-GB20
Stainless Steel Panel.
Without Bottom Box.
The figure shown is
A24 button.

LED Dot Matrix Display

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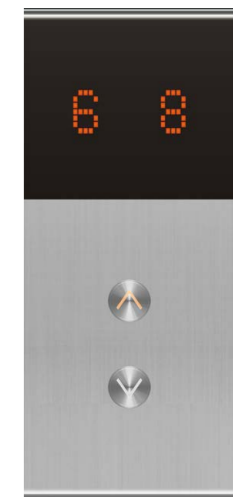
ZPI●-G120
Stainless Steel Panel.
Without Bottom Box.
The figure shown is
A09 button.

Notes: The symbol ● represents the button model, please select button Page 30.
*1 If bottom box is required, contact the sales persons for non-standard installation of bottom box.
The apperance of the landing indicators with or without bottom box will be consistent.

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Wall-mounted Landing Call (Without Bottom Box) *1

Complying with GB/T 24477 standard.

ZHB●-G010
(Single Elevator) *2

ZHB●-H030
(Single Elevator)*3

ZHB●-H041
(Parallel Connection)*3

ZHB●-G020
(Parallel Connection)*2

ZHB●-H040
(Parallel Connection)*3
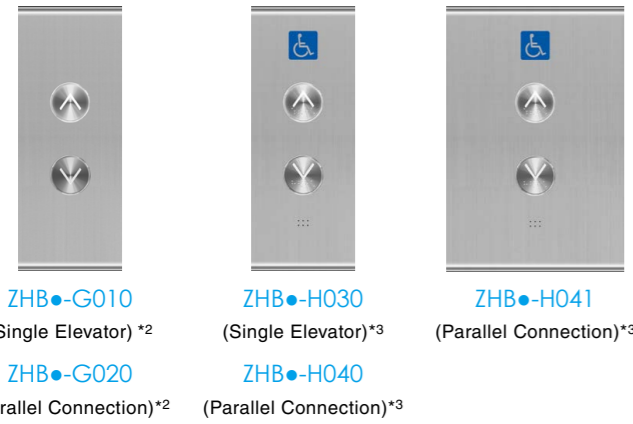
Notes: *1 If bottom box is needed, contact the sales person for non-standard
installation of bottom box. The apperance of the landing indicators with or
without bottom box will be consistent.
*2 The symbol ● represents the button model; please select button from Page 30.
*3 The symbol ● represents the button model. The optional buttons are A14, A15,
A16 (complying with GB/T 24477 standard). See details in Page 30.

Button application Scenario
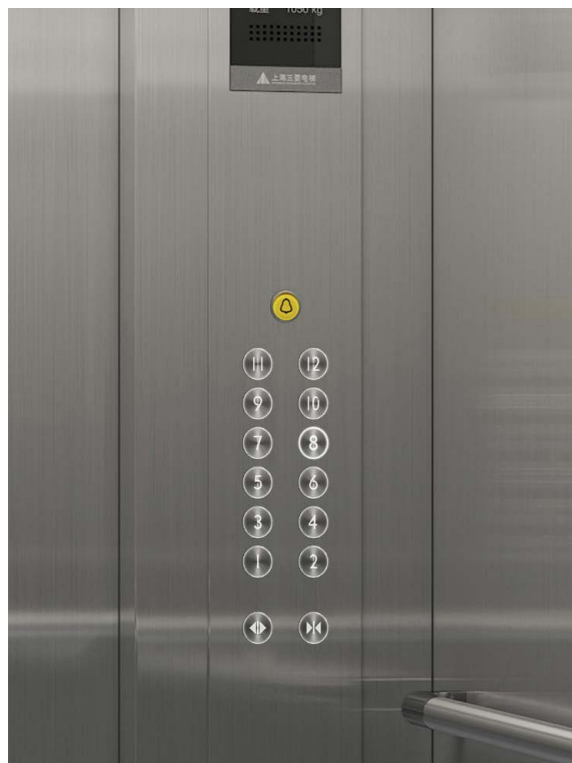
■ A11–A16 button
Applicable to the scenario when the number of floors is 28 or more;
the arrangement of the buttons is the most harmonious.

■ A01–A06 button
Applicable to the scenario when the number of floors is less than 28;
the buttons of several floors are arranged together and look good.

Matching Diagram
(Respond to the requirements of the handicapped)

Basic Buttons

A11 (White Light)
A12 (Orange Light)
A13 (Blue Light)
Φ35mm. Machinery Fine Motion.
Flat character.
Standby Micro-light.
Stainless Steel Surface.

A14 (White Light)
A15 (Orange Light)
A16 (Blue Light)
Φ35mm. Machinery Fine Motion.
Protruded Words with Braille.
Standby Micro-light.
Stainless Steel Surface.

Button Appearance

White Light | Orange Light | Blue Light

Optional Button Styles

A01 (White Light)
A02 (Orange Light)
A03 (Blue Light)
Φ31mm. Machinery Fine Motion.
Flat character.
Stainless Steel Surface.

A04 (White Light)
A05 (Orange Light)
A06 (Blue Light)
Φ31mm. Machinery Fine Motion.
Protruded Words with Braille.
Stainless Steel Surface.

A09
Φ31mm. Machinery Fine Motion.
Round Hairline Stainless Steel Surface.
Orange Light. Flat Words.

A23
Φ35mm. Touch Sensitive.
CD Line Stainless Steel Surface.
Standby White Light,
Light up the Blue Light.
Flat Words.

A24 (Flat character)
A27 (Protruded Words with Braille)
Φ50mm. Machinery Fine Motion.
White Light. Stainless Steel Surface.

A71
Φ35mm. Touchless button.
Standby White Light,
Light up the Blue Light.
Flat Words.
Mirror stainless steel faceplate.

B02
Φ35mm.
Machinery Fine Motion.
Orange Light.
Resin Button Cap.
Stainless Steel Button Ring.

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

Landing Doors and Door Jambs

E-102 Narrow Door Jamb (For wide car, deep car)

Landing calling buttons: ZPIA09-G110
Landing door material: Painted steel
Door jamb door material: Painted steel

E-302 Bevel (10°) large Door jamb (For wide car, deep car)

Landing calling buttons: ZPIA11-GB10
Landing door material: Hairline stainless steel
Door jamb door material: Hairline stainless steel

E-312 Curtain plate type bevel (10°) large door jamb (only for wide car)

Landing direction light: ZHLV-H010
Landing calling buttons: ZHBA11-G010
Landing door material: Hairline stainless steel (ZHY-006)
Door jamb door material: Hairline stainless steel

E-322 slant curtain plate bevel (10°) large door jamb
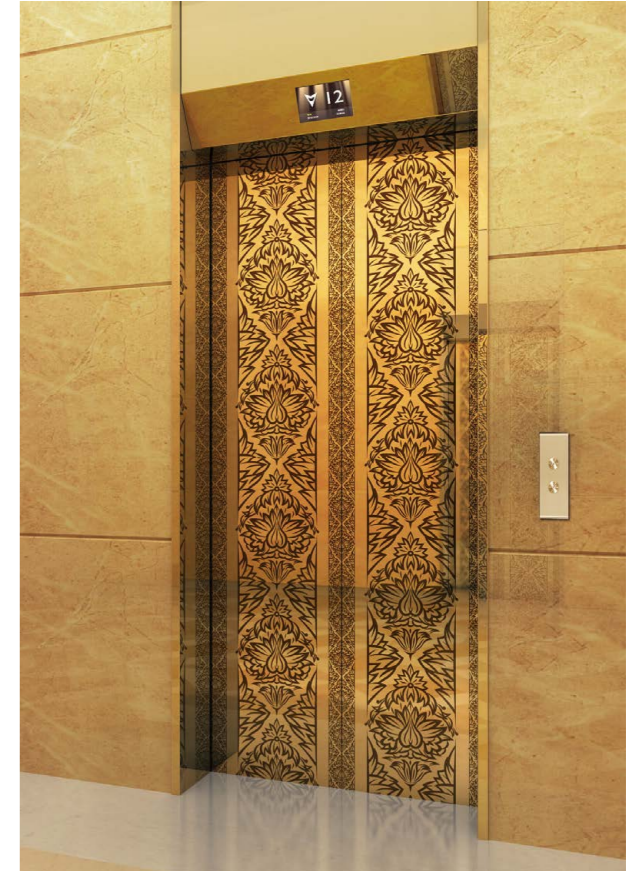
LCD landing indicator: ZPIH-N301 Elegant brown
Landing calling buttons: ZHBA11-G010
Landing door material: Sandblasted double-color titanium plated mirror stainless steel (ZPF-001)
Door jamb door material: Titanium plated mirror stainless steel (ZDT-002)

Landing Direction Lights (no need to use together with hall call buttons in Page 29)

ZHLV-H021*1
Hairline/mirror stainless steel panels.
Mist white acrylic of the lighting part.

ZHLV-H040*1
Installation without bottom box.
Mist white acrylic light part.

ZHLV-R061*1
Hairline/mirror stainless steel panels.
Mist white acrylic of the lighting part.

ZHLV-R080*1
Transparent acrylic Embedded matte triangle.
Mirror-finish substrate dotted with stars.

ZHLV-R050*1
Without panel Mist white acrylic of the lighting part.
precise openings for wall decaration are in need.

ZHLV-B031*1
Hairline/mirror stainless steel panels.
Transparent acrylic of the lighting part (engraved and blasted).

ZHLV-B040*1
Wall-mounted type without bottom box.
Transparent acrylic of the lighting part (embedded with mist white indicating blocks).

Light Color of Hall Lantern

Pure white   Warm white   Blue

Landing indicators (no need to use together with hall call buttons in Page 29)

HID-A10
Embedded large landing indicator without faceplate, LED orange dot matrix, applicable in the case where E-312 door jamb is used.

HID-A20
Embedded large landing indicator, hairline stainless steel faceplate, LED orange dot matrix, applicable in the case where door jamb other than E-312, E-322 is used.

ZPIH-N301*2
Embedded landing indicator without faceplate, 8.4" real color LCD, applicable in the case where E-322 door jamb is used.

ZPIH-F301*2
Wall-mounted landing indicator, transparent acrylic frame, matt chrome plated panel, 8.4" real color LCD.

31

Notes: *1 All hall lanterns use LED lighting, saving energy and extending service life.
Each lantern has three light colors available: pure white, warm white and blue.

Notes: *2 See Page 33 for LCD display.

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Color Segment LCD

Patented LCD technology: Innovative interface design, full-view, high contrast.

4.3" LCD (for hall position indicator)

5.7" LCD (for operating panel)

TFT Display

The new generation LCD uses advanced hardware-driven circuit and more sensitive LCD screen. With brand new interface design, the new LCD is livelier and more pleasant to look than common LCD. Four styles of interfaces can meet various car decoration requirements.

Horizontal elevator operation indication *1

Dazzling purple: Standard

Fresh green: Residence

Elegant brown: Hotel

Stylish blue: Business

Vertical elevator operation indication *2

Dazzling purple: Standard

Fresh green: Residence

Elegant brown: Hotel

Stylish blue: Business

Notes: *1 applicable to car operating panel, 5.7" hall TFT LCD.
*2 applicable to 4.3" hall TFT LCD.
Specify one interface when placing the order.

Multimedia Information Display System (EMIDS)

The multimedia information display system (EMIDS) uses a more powerful processing system and a more sensitive LCD screen and provides brand new interfaces on the basis of hardware update. It indicates the floor where the elevator is running and shows multimedia information with sound and pictures, which not only makes advertisements known to the owners in a small space but also provides the passengers with a more pleasant ride experience.

Classic A

Classic B

Full screen
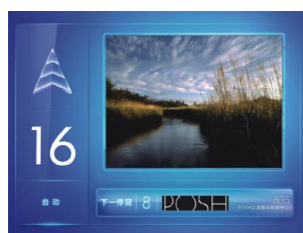
Forecast floor A

Forecast floor B

Note: The above five interfaces are included in the device, and can be updated on site via the software on the master computer.

Mirror

Full-length mirror

Half-length mirror

Stainless steel mirror

Handrail

ZYH-FH10
Stainless steel flat handrail

ZYH-SH01
Stainless steel leaning-type handrail

ZYH-RH01
Stainless steel round handrail

ZYH-RH02
Stainless steel round handrail

Materials of Floor

To meet various decoration requirements, there are eight types of parquet floor by combining parquet marble floor, parquet PVC floor or single-color PVC stone floor. For details, refer to the decoration color sample of Shanghai Mitsubishi.

Artificial stone floor
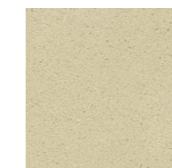
ZRZ-A01
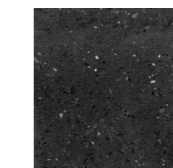
ZRZ-A02

ZRZ-A03
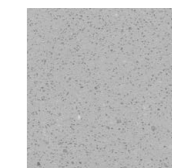
ZRZ-A04

Parquet marble floor
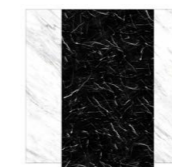
ZSC-001

ZSC-002
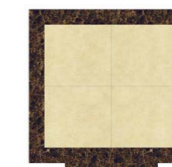
ZSC-011

ZSC-012

ZSC-013
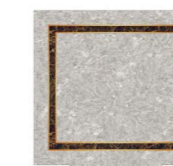
ZSC-014
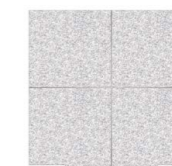
ZSC-015

ZSC-016

Parquet PVC floor

ZPH-032

ZPH-030

ZPH-028

ZPH-033

ZPH-026

ZPH-029

ZPH-031

ZPH-034

Note: Standard marble flooring is marble composite aluminum cellular board.

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Left Page

Feature	Description	Code	1C-2BC	2~4C ITS-21	3~8C ITS-2100
■ Control and Safety Features					
Automatic Re-leveling	When the car lands at a station, if the vertical deviation between the top planes of car sill and hall sill is over the preset value, the elevator automatically levels.	ARL	ⓢ	ⓢ	ⓢ
Anti-Stall Timer	When the hoisting rope slips or when the motor stalls and this lasts for a preset period of time, the elevator will stop.	AST	ⓢ	ⓢ	ⓢ
Brake Redundancy Protection	When one set of brakes fails, other brakes can effectively stop the elevator.	BTUP	ⓢ	ⓢ	ⓢ
Car Sliding Safety Protection	When the car slides due to insufficient braking force, the three-phase winding of PM traction machine is shorted to reduce the speed the car slides in normal power supply.	CSSP	ⓢ	ⓢ	ⓢ
Door Interlock Bypass Operation	Bypass the hall door or car door button circuit via the door interlock bypass device to facilitate the maintenance of hall door contact, car door contact and door interlock contact.	DOB	ⓢ	ⓢ	ⓢ
Energy Feedback	Feed the energy generated during operation back to the grid to save energy.	EFDBK	ⓢ	ⓢ	ⓢ
Electrical Safety Circuit Protection	If any electrical safety device functions, the elevator will stop.	ESC	ⓢ	ⓢ	ⓢ
Automatic Floor Height Measuring	Automatically measures and records the floor height.	FMR	ⓢ	ⓢ	ⓢ
Hand Operation	Hand operation mode for maintenance staff.	INSP	ⓢ	ⓢ	ⓢ
High-Power Factor Rectifier	Use a high-power factor rectifier for rectification.	HAPC	ⓢ	ⓢ	ⓢ
Landing Open	The elevator opens its door during leveling.	LO	ⓢ	ⓢ	ⓢ
Load Weighing Start	The elevator adjusts the starting torque according to the load in the car to enable the elevator to start steadily.	LWS	ⓢ	ⓢ	ⓢ
Over-current Protection	A function which stops the elevator when over-current is detected in the rectifier or inverter.	OCP	ⓢ	ⓢ	ⓢ
Over-speed Protection	A function which stops the elevator when the car travels at a speed over the allowed value.	OSP	ⓢ	ⓢ	ⓢ
Over-temperature Protection	A function which stops the elevator when the inverter is detected overheated.	OTP	ⓢ	ⓢ	ⓢ
Over-voltage Protection	A function which stops the elevator when over-voltage is detected in the rectifier or inverter.	OVP	ⓢ	ⓢ	ⓢ
Protection Failure Protection	A function which stops the elevator in case of faults like open phase, phase loss or undervoltage.	PFP	ⓢ	ⓢ	ⓢ
Power-on Releveling	When the car stops outside the door zone due to power outage after power supply is recovered, the car will relevel to the leveling position.	PORL	ⓢ	ⓢ	ⓢ
Reverse Service Protection	A function which stops the elevator when the elevator is found running reversely.	RSP	ⓢ	ⓢ	ⓢ
Selector Correcting	Correct the selector when the elevator is running.	SC	ⓢ	ⓢ	ⓢ
Safe Landing	When the elevator stops outside the door zone, the controller will perform safety detection. If the starting requirements are met, then the elevator will stop at the nearest floor with doors open.	SFL	ⓢ	ⓢ	ⓢ
Stop Open	The elevators will automatically open its doors after it stops.	SO	◎	◎	◎
Inverter High-Temperature Detection	A function which stops the elevator when over-heat is detected in the inverter.	THMF	ⓢ	ⓢ	ⓢ
Terminal Slowdown	When the car travels to the terminal but does not slow down to the set value, the system will slow down the elevator forcefully to enable the elevator to land properly.	TSD	ⓢ	ⓢ	ⓢ
Unexpected Car Movement Protection	A device which stops the elevator in case that the elevator car moves because any part of the drive machine or drive control system fails when the hall door is not locked and the car door is not closed.	UCMP	ⓢ	ⓢ	ⓢ
Over-speed Protection	A function which stops the elevator when the car travels at a speed under the allowed value.	USP	ⓢ	ⓢ	ⓢ
Smooth Emergency Terminal Slowdown	A device which continuously and smoothly detects the car speed and position via the top and bottom terminal stations at the hoistway, so as to detect exceptions in advance and slow down the elevator forcefully.	SETS*1	◎	◎	◎
■ Operation and Service Features					
Automatic Bypass	A function where a car automatically bypasses Hall Calls when over 80% of rated capacity (can be adjusted).	ABP	◎	ⓢ	ⓢ
Attendant Service	The attendant is responsible for the normal operation of the elevator.	AS	◎	◎	◎
Bypass	In AS mode, the car automatically bypasses Hall Calls when the "Bypass" button is pressed.	BP*38	◎	◎	◎
Car Computer Back Up Operation	When the computer of the main operating panel, car top station or door operator has exceptions, the elevator stops at the nearest floor and cannot start again.	CCBK	ⓢ	ⓢ	ⓢ
Car Call Canceling	In auto mode, when the elevator stops at a landing, if there is no Car Call in the current traveling direction but there is in the opposite traveling direction, the system will automatically cancel Car Calls in the opposite direction.	CCC	ⓢ	ⓢ	ⓢ
Car Fan Shut Off-Automatic	The car fan will be automatically shut off to save energy after being on standby with no direction.	CFO-A	◎	◎	◎
Car Light Shut Off-Automatic	The car light will be automatically shut off to save energy after being on standby with no direction.	CLO-A	◎	◎	◎
Continuity of Service	To ensure elevators of the same group can work properly, when one elevator cannot respond to Hall Calls registered, it will be excluded from hall call service and another elevator will be allocated.	COS	—	ⓢ	ⓢ
Elevator AC	Specify the type of the air conditioner on the non-standard confirmation form: cool or heat/cool.	EAC*1*2	◎	◎	◎
Automatic Fault Diagnosis	Diagnose the exceptions and faults occurred when the elevator is running.	EFD	ⓢ	ⓢ	ⓢ
Emergency Exit Switch	A switch to detect the state of the emergency exit.	EXIT SW	◎	◎	◎
False Call Canceling	A function which cancels all calls to avoid unnecessary stops if the number of Car Calls registered differ from the number of passengers.	FCC-A*3	◎	◎	◎
False Car Call Canceling-Car Button Type	Cancel a wrong Car Call by pressing this button twice.	FCC-P*4	◎	◎	◎
False Hall Call Canceling-Hall Button Type	Cancel a wrong Hall Call by pressing this button twice.	FHC-P	◎	◎	—
Automatic Hall Call Registration	When on elevator cannot take all passengers, this button remains registered and the system will automatically allocate another elevator.	FSAT	ⓢ	ⓢ	ⓢ

◎ Features in blue are standard; ◎ Features in pink Is optional.

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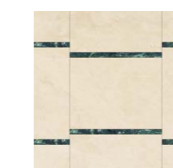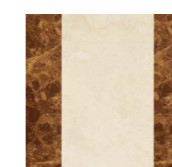| Feature	Description	Code	1C-2BC	2~4C ITS-21	3~8C ITS-2100
■ Operation and Service Features					
Group Control Back Up Operation	Maintain the normal service of each elevator when the group control processor fails or the group control fails because its communication with each elevator fails.	GCBK	—	ⓢ	ⓢ
Hall Computer Back Up Operation	When the hall computer has an exception, the elevator stops at the nearest floor and cannot start again.	HCBK	ⓢ	ⓢ	ⓢ
Hospital Emergency Operation (Button Type)	The elevator only responds to Car Calls when the Door Open button and the Extended Door-Open Button are pressed at the same time.	HE-B*5	◎	◎	◎
Hall Out-of-Service Operation	Start or stop the elevator via the "RUN/STOP" key switch installed on the specified hall station.	HOS	ⓢ	ⓢ	ⓢ
Independent Service	Use the "IND" switch to enable the elevator to only respond to Car Calls without interrupting the operation.	IND	ⓢ	ⓢ	ⓢ
Non-Service to Specific Floor-Switch Type	Cancel the service of specific floors via this switch.	NS*1*6	◎	◎	◎
Non-Service to Specific Floor-Car Button Type	Cancel the service of specific floors via the buttons and switch on the operating panel.	NS-CB	◎	◎	◎
No Start Alarm	When Hall Calls and Car Calls are registered but the elevator cannot start at the pre-set time, cancel the assigned Hall Calls and keep Car Halls. The exception light is on and alarm sounds.	NST*7	ⓢ	ⓢ	ⓢ
Non-Service to Specific Floor-Timer Type	Call the service of specific floors within the specified time.	NS-T*1	◎	◎	◎
Next Landing	When the elevator arrives at the destination floor, if the car door cannot be opened fully, the elevator will close the door and go down to the next floor until the door is opened fully and the elevator runs normally again.	NXL	ⓢ	ⓢ	ⓢ
Overloading Holding Stop	When the car is overloaded, the elevator keeps the door open and the buzzer in the car rings.	OLH	ⓢ	ⓢ	ⓢ
Remote Control Car Stop	Start or stop the elevator via the remote control switch.	RCS*8	◎	◎	◎
Return Operation	Operate the return switch to call the elevator back to the specified floor immediately.	RET*8*40	◎	◎	◎
Secret Call Service-Car Button Type	Lock some floors on the operating panel by setting a password, which can be registered after inputting the password.	SCS-B*9	◎	◎	◎
Secret Call Service-IC Card	Register the buttons of some floors via IC card.	SCS-IC*1	◎	◎	◎
■ Emergency Operation Features					
Docking Rescue Operation	When the elevator stops in the fast-speed zone due to some faults, another elevator will be allocated for rescue.	ADK	◎	◎	◎
Car Emergency Lighting	Provide car lighting in case of lighting power outage.	ECL	ⓢ	ⓢ	ⓢ
Secondary Wave Earthquake Emergency Return Operation	When S-wave earthquake detector works, the elevator will stop at the nearest floor and keeps the door open.	EER-S	◎	◎	◎
Mitsubishi Emergency Landing Device	This device provides power supply in case of power outage. The car will run to the nearest floor and keep the door open, and passengers can leave safely.	ELD*10	◎	◎	◎
Alarm Bell	Press the alarm bell in case of emergency. The bell or the intercom device rings.	EMB	ⓢ	ⓢ	ⓢ
Fireman's Emergency Operation	If the fireman's service switch works, cancel all Hall Calls and Car Calls immediately. The elevator returns to the specified floor and opens the door. Then the elevator will be controlled by the fireman.	FE*33	◎	◎	◎
Fire Emergency Return	If the Fire Emergency Return switch works, cancel all Hall Calls and Car Calls. The elevator immediately returns to the specified floor and opens the door.	FER*11	◎	◎	◎
Operation by Emergency Power Source-Automatic	In case of power outage, provide power supply through the emergency power source. The elevators allocated earlier will travel to the specified floors in order. Once all elevators arrive, the specified elevator can run normally.	OEPS-SA*12	◎	◎	◎
Elevator Monitoring System	This system uses computers to monitor the operation and position of the elevator and provides operation instructions when necessary.	SMOS-II	◎	◎	◎
■ Door Operation Features					
Light Curtain Protection	A Light curtain door protection device with multiple beams.	AMS*13	◎	◎	◎
Door Close Protection	The door reopens reversely when the car door cannot be closed fully.	CLTS	ⓢ	ⓢ	ⓢ
Reopen Reversely	When the door is open, there are no Car Calls and Hall Calls forwards and Hall Calls in the opposite direction are registered, the elevator will reopen the door after closing.	DDOP	ⓢ	ⓢ	ⓢ
Extended Door-Open Button	Extend the door-open time by pressing this button.	DKO-TB*39	◎	◎	—
Door Load Detect	The elevator door will be opened or closed reversely if the door cannot be opened or closed fully in case of overload.	DLD	ⓢ	ⓢ	ⓢ
Not Door Open Feature	Close the door immediately if the door cannot be opened.	DONG	ⓢ	ⓢ	ⓢ
Automatic Door-Open Time Adjustment	Automatically adjust the door-open time according to Hall Calls or Car Calls.	DOT	ⓢ	ⓢ	ⓢ
Door Close Torque Up Control	When car doors encounter extra additional resistance when closing, the door system will automatically increase the torque.	DTC	ⓢ	ⓢ	ⓢ
Expediting of Door Close	When the elevator stops and opens the door, press the Door Close Button. The door will be closed immediately.	EDC	ⓢ	ⓢ	ⓢ
Multi-Beam Door Sensor	Safety edge with multi-beam which provides double protection and reopens the door when passengers or objects are detected when the door is closing.	MBS*13	◎	◎	◎
Door Nudging Feature-Buzzer	When the door-open time exceeds the pre-set time, the elevator will ignore the non-contact door sensor and trigger the alarm to remind the passenger to close the door at low speed.	NDG*35	◎	◎	◎
Repeated Door-Close	If the car door is blocked when closing, the elevator will repeat closing the door until foreign objects are cleaned.	RDC	ⓢ	ⓢ	ⓢ
Reopen with Hall Button	During door closing, when Hall Call buttons in the same direction are pressed, the doors will be reopened.	ROHB	ⓢ	ⓢ	ⓢ

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

Feature	Description	Code	1C-2BC	2~4C ITS-21	3~8C ITS-2100
■ Information and Display Features					
Auto Announcer (CN)	The Auto Announcer (CN) informs passengers of the elevator information.	AAN-S01*14	◎	◎	◎
Auto Announcer (CN/EN)	The Auto Announcer (CN/EN) informs passengers of the elevator information.	AAN-S02*14	◎	◎	◎
Auto Announcer (EN)	The Auto Announcer (EN) informs passengers of the elevator information	AAN-S03*14	◎	◎	◎
Car Arrival Chime (Car)	A chime to remind the passengers that the car has arrived at the destination floor (installed at the car top and bottom).	AECC*15	◎	◎	◎
Car Arrival Chime (Hall)	A chime to remind the passengers that the car has arrived at the destination floor (installed at the hall station).	AECH*15	◎	◎	◎
Immediate Prediction Function	Once a passenger has registered a Hall Call, it will immediately allocate the most suitable elevator and inform the passenger via a visual/audio signal.	AIL	—	—	◎
Attendant Service Indication	The hall position indicator indicates the elevator is in Attendant Service mode.	ASL*42	◎	◎	◎
Automatic Operation Signal Light (Hall)	The hall position indicator indicates the elevator is in Auto Operation mode, showing "Auto".	AUTL*16	◎	◎	◎
Signal Interface Device	Outputs basic operation state signals via this device.	BA*1*17	◎	◎	◎
Bypass Signal Light (Hall)	The hall position indicator indicates the elevator is in "Automatic Bypass" mode, showing "Bypass".	BPL*16*37	◎	◎	◎
Direction Arrows in Car	Indicate the traveling direction of the elevator in the car.	DAC	Ⓢ	Ⓢ	Ⓢ
Direction Arrows on Hall	Indicate the traveling direction of the elevator on the hall.	DAH	Ⓢ	Ⓢ	—
Door-Close Button Response Light	The Door-Close button light is on at the same time when the Door-Close button is pressed.	DCR	Ⓢ	Ⓢ	Ⓢ
Door-Open Button Response Light	The Door-Open button light is on at the same time when the Door-Open button is pressed.	DOL	Ⓢ	Ⓢ	Ⓢ
Extended Door-Open Button Light	When the Extended Door-Open button is pressed, the indicator light is on for a certain period.	DKOL*18	◎	◎	◎
Elevator Counter/Timer	Record the times and duration the elevator runs.	ECT	Ⓢ	Ⓢ	Ⓢ
Multimedia Information Display in Car	Can provide passengers with audio/video or other information (installed in the car).	EMIDS-C*1	◎	◎	◎
Multimedia Information Display on Operating Panel	Can provide passengers with audio/video or other information (installed in the operating panel).	EMIDS-COP*19	Ⓢ	Ⓢ	Ⓢ
Multimedia Information Display on Hall	Can provide passengers with audio/video or other information (installed on the hall).	EMIDS-H*1	◎	◎	◎
Exclusive Service Indication	Indicates that the elevator is in "Exclusive Service" mode.	EXCL*16*36*41	◎	◎	◎
Fire Emergency Operation-Completed	The function of FE Operation is enabled. The elevator travels to the specified return floor. The elevator outputs a "CP" signal.	FE-CP*34	◎	◎	◎
FE Operation Light in Car	When the elevator is in "FE Operation" mode, this state will be displayed in the car.	FELC*34	◎	◎	◎
Fire Emergency Return-Completed	When FER Operation is completed, a "CP" signal is output.	FER-CP*20	Ⓢ	Ⓢ	Ⓢ
FER Operation Signal Light (Car)	When the elevator is in "Fire Emergency Return" mode, this state will be displayed in the car.	FERC*21			
层站按钮灯闪烁指示	电梯到站停靠，开始开门时，同方向的层站召唤按钮灯闪烁，提醒乘客有电梯到达，当电梯关门到位后，按钮灯熄灭。	FHBL	Ⓢ	Ⓢ	Ⓢ
Hand Operation Light	The hall position indicator indicates the elevator is in "Inspection" mode.	INSPL*43	◎	◎	◎
Interphone	In emergency, persons in the car, on the car top or in the pit can use this device to communicate with persons in the machine room or monitoring room.	ITP*22	Ⓢ	Ⓢ	Ⓢ
ITV Cable (Analog)	The cable for video camera (analog) in the car.	ITV-A*23	◎	◎	◎
ITV Cable (Digital)	The cable for video camera (digital) in the car.	ITV-D*23	◎	◎	◎
ITV Cable (for SMOS)	The cable for video surveillance of SMOS.	ITV-S*23	◎	◎	◎
Operation by Emergency Power Source-Completed	A "Completed" signal is output when Operation by Emergency Power Source is completed.	OEPS-CP*24	◎	◎	◎
Overload Indication in Car	The Overload Indication is on when the elevator is overloaded.	OLHL*25*44	◎	◎	◎
Out-of-Service Indication	Indicates the elevator is out of service on the hall.	RESL*16	◎	◎	◎
Next Car Prediction	During peak service operation, when one elevator cannot take all passengers, the hall lantern of the car which will be allocated will flash.	TCP	—	—	◎
Hall Position Indicator Energy-Saving Function	The dot-matrix display of the hall will display information with low brightness when there is no call, and with normal brightness when the call button of the floor is pressed, thus saving energy and extending the service life.	HIES*26	◎	◎	◎
■ Group Control Feature					
Bank Separation Operation	Separate landing buttons into several groups and provide independent group control. Each group has separate hall call buttons.	BSO	—	◎	◎
Car Allocation Adjustment	In group control, the group control system adjusts car assignment	CAT	—	—	Ⓢ
Congested-Floor Service	When temporary congestion occurs due to meeting or other events, the system will assign elevators to the congested floors.	CFS*27	—	◎	◎
Closest-Car Priority Service	When responding to hall calls, the car nearest to the floor will be assigned first.	CNPS	—	—	◎
Destination Oriented Allocation System	After the destination floor button on the hall operating panel is pressed, the system announces the Car No. assigned to this floor. The system assigns the car depending on the destination floor to improve efficiency.	DOAS*1	—	—	◎
Down Peak Service	During after-work hours, constantly assign elevators to the top floor to meet the peak service needs.	DPS	—	◎	◎

Feature	Description	Code	1C-2BC	2~4C ITS-21	3~8C ITS-2100
■ Group Control Feature					
Energy-saving Operation-Number of Cars	Taking passenger flow and passengers' needs into account, the system will reduce the number of elevators for service to save energy when the service level of elevators exceeds the requirements.	ESO-N	—	—	◎
Special Floor Priority Service	Cars passing a certain floor are forced to stop at this floor.	FFS*28	◎	◎	◎
Group Control Diagnosis	If the group control system fails, the system will record the fault logs and provide them to the group control monitoring device.	GCS	—	—	Ⓢ
Lunchtime Service	Adjust the car assignment according to the traffic to canteen at lunchtime.	LTS*29	—	◎	◎
Main Floor Parking	When there is no Hall Call and Car Hall, the car returns to the main floor and stops.	MFP	◎	—	—
Prevention of Simultaneous Running	This feature prevents elevators installed in the same hoistway from running at the same time in the fast-speed zone, because this may increase the noise in the car.	PRS	—	◎	◎
Peak Traffic Control	To reduce temporary peak traffic, the most congested floor (top floor or main floor) will be given priority service.	PTC	—	Ⓢ	Ⓢ
Special Car Priority Service	In group control system, Hall Calls of specified floors will be given priority service (e.g. sightseeing elevators or elevators with basement service).	SCPS*30	—	—	◎
Special Floor Priority Service	Calls of specified floors will be given priority service.	SFPS*31	—	—	◎
Strategic Overall Spotting	This system considers the passenger traffic in the whole building, predicts the most congested floors and then assigns elevators accordingly.	SOHS	—	Ⓢ	Ⓢ
Main Floor Changeover Operation	Operate the changeover switch to change the main floor.	TFS*1	◎	◎	◎
Light-load Car Priority Service	In case of light traffic, light-load or no-load cars (less than 10% of capacity) should be assigned first.	UCPS	—	—	◎
Up Peak Service	During office hours and when the up traffic from the main floor is very busy, elevators will be assigned to the main floor constantly.	UPS	—	◎	◎
VIP Service	A special car can be excluded from group service for VIP service.	VIP-S*32	—	◎	◎

Notes:
*1 Non-standard.
*2 Specify the type of the air conditioner on the non-standard confirmation form.
*3 Optional when the number of stops is 6 or more and SCS-IC is not configured.
*4 Optional when SCS-IC is not configured.
*5 Optional when DKO-TB is configured.
*6 NS changeover switch is installed in the operating panel of the main elevator by default. NS floors must be specified on the non-standard confirmation form.
*7 Exception signals are output from SMOS-II.
*8 The user or SMOS should provide one dry contact signal to the control panel.
*9 Select SCS-B or SCS-IC.
*10 Optional when the distance between adjacent landings is 10 m or more.
*11 Should consider the elevator can return to the FER return floor from the top terminal station within 60 seconds.
*12 The user should provide normally-open dry contact signals of normal and emergency power source, and the dry contact signals of automatic control. These signals should be provided to the control panel in the machine room by the user.
*13 Select AMS or MBS.
*14 Select AAN-S01, AAN-S02 or AAN-S03.
*15 Select AECC or AECH.
*16 Hall position indicators cannot be more than 2.
*17 Output signals include UP, DOWN, comprehensive fault, and hall code signals. The output signal ports are located in the control panel of the machine room. The output method is dry contact and RS485 serial communication.
*18 Optional when DKO-TB is configured.
*19 Standard for any model of car operating panel: ZCBT-T711, ZCBT-T411, ZCBT-T811, ZCBK-T711, ZCBK-T410, ZCBK-T810, ZCBT-T761, ZCBT-T461, ZCBT-T861, ZCBK-T761, ZCBK-T460, ZCBK-T860.
*20 Standard for FER.
*21 Optional for FER.

*22 The user provides and installs the cables and wires from the machine room to the monitoring room.
*23 Select ITV-A, ITV-D or ITV-S.
*24 Optional when OEPS-SA is configured.
*25 Car operating panels cannot be more than 3.
*26 Optional when HID-A10 or HID-A20 hall position indicator is configured.
*27 Specify the congested floors on the non-standard confirmation form.
*28 Specify the Forced Stop floors.
*29 Specify the floor for lunch.
*30 Specify the Car No. for priority service.
*31 Specify the floor for priority service.
*32 Specify VIP Car and VIP Standby Floor.
*33 Should consider the elevator can return to the evacuation floor from the top terminal station within 60 seconds.
    This feature is optional for common elevators. Elevators with this feature cannot meet the requirements of fire elevator standard (GB 26465-2011). Since fire elevators compliant with GB 26465-2011 standard have special requirements for environment, buildings, power supply and water resistance, contact our sales department if you want to order one.
*34 Standard when FE is configured.
*35 Standard when MBS is configured.
*36 Standard when HE-B is configured
*37 Standard when ABP or BP is configured
*38 Standard when AS is configured.
*39 Standard when HE-B is configured.
*40 Standard when ADK is configured.
*41 Optional when VIP-S is configured.
*42 Optional when AS is configured.
*43 Optional when INSP is configured.
*44 Optional when OLH is configured.

Ⓢ Features in blue are standard;　◎ Features in pink Is optional.

Basic Specifications (LEHY-M-II)

Item	Specifications				Notes
Speed (m/s)	2.5	3.0	3.5	4.0	Max. speed 3.5 m/s for CWT side drop.
Rated capacity (kg)	1050	1050	1050	1050	
	1200	1200	1200	1200	
	1350	1350	1350	1350	
	1600	1600	1600	1600	
	1800	1800	1800	1800	
	2025	2025	2025	2025	
Number of stops	2-48	2-48	2-48	2-48	
TR (m)	14.6-120	18.8-150	24.2-150	29.8-150	
Operating mode	1C-2BC, 2C-ITS-21, 3C-ITS-21, 4C-ITS-21, 3C-ITS-2100, 4C-ITS-2100, 5C-ITS-2100, 6C-ITS-2100, 7C-ITS-2100, 8C-ITS-2100				
Control mode	VFH-H				
Energy feedback	Yes				
Origin of traction machine	SMEC				
Specification code	P14W				Rated capacity 1050 kg.
	P16W				Rated capacity 1200 kg and CWT rear drop.
	P-16				Rated capacity 1200 kg and CWT side drop.
	P18W				Rated capacity 1350 kg and CWT rear drop.
	P-18				Rated capacity 1350 kg and CWT side drop.
	P21W				Rated capacity 1600 kg and CWT rear drop.
	P21W, P21D				Rated capacity 1600 kg and CWT side drop.
	P24W				Rated capacity 1800 kg and CWT rear drop.
	P27W				Rated capacity 2025 kg and CWT rear drop.
Door opening method	CO				
	2S				Optional when car code is P21D.
Door opening type	1D1G				
	1D2G, 2D2G				Non-standard and optional when the car code is P21D and CWT side drop.
Car decoration solution	Customized				
	Integrated				Optional for 1D1G and CO.
Integrated car code	ZCD-015X, ZCD-019G, ZCD-020G				Optional when an integrated car decoration solution is used.
Three-phase power supply	380V50Hz three-phase five-wire				
Lighting power	220V50Hz single-phase				
Supply code	SMT				
CWT position	Rear drop				
	Side drop				Rated capacity ≤1600kg and rated speed 2.5 m/s, 3 m/s and 3.5 m/s.
CWT safety gear	Not configured, configured				
Temporary sealing plate of jamb	By Buyer; provided by Seller				
Corbel	By Buyer; provided by Seller				
Min. floor height (mm)	≥2600				Steel corbel and HH = 2100.
	≥2700				Steel corbel and HH = 2200.
	≥2800				Steel corbel and HH = 2300.
	≥2900				Steel corbel and HH = 2400.
	≥2800				Concrete corbel and HH = 2100.
	≥2900				Concrete corbel and HH = 2200.
	≥3000				Concrete corbel and HH = 2300.
	≥3100				Concrete corbel and HH = 2400.
Hall display range	B1, B2, B3, B4, B5, B, G, M, -1, -2, -3, -4, -5, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26				
	27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48				
	3A, 5A				
	12A, 12B, 13A, 15A, 17A, 23A				Optional except for ZCBV-C120 wheelchair operating panel.

Note: Please contact us if the above specifications are exceeded.

Basic Specifications (LEHY-H)

Item	Specifications				Notes
Speed (m/s)	5.0	6.0	7.0	8.0	
Rated capacity (kg)	1200	1200	1200	1200	
	1350	1350	1350	1350	
	1600	1600	1600	1600	
	1800	1800	1800	1800	
	-	-	2025	2025	
Number of stops	64	64	64	64	
TR (m)	250	250	350	350	
Operating mode	1C-2BC, 2C-ITS-21, 3C-ITS-21, 4C-ITS-21, 3C-ITS-2100, 4C-ITS-2100, 5C-ITS-2100, 6C-ITS-2100, 7C-ITS-2100, 8C-ITS-2100				
Control mode	VFH-H				
Energy feedback	Yes				
Origin of traction machine	SMEC				
Door opening method	CO				
Door opening type	1D1G				
Car decoration solution	Customized, Integrated(Non-standard)				
Integrated car code	ZCD-001X, ZCD-001G, ZCD-002G, ZCD-002X (轿厢装潢为整体方案时可选)				
Three-phase power supply	380V50Hz three-phase five-wire				
Lighting power	220V50Hz single-phase				
Min. floor height (mm)	≥2600				Steel corbel and HH = 2100.
	≥2700				Steel corbel and HH = 2200.
	≥2800				Steel corbel and HH = 2300.
	≥2900				Steel corbel and HH = 2400.
	≥2800				Concrete corbel and HH = 2100.
	≥2900				Concrete corbel and HH = 2200.
	≥3000				Concrete corbel and HH = 2300.
	≥3100				Concrete corbel and HH = 2400.
Supply code	SMT				
CWT position	Rear drop				
CWT safety gear	Not configured, configured				
Corbel	By Buyer; provided by Seller				
Hall display range	B1, B2, B3, B, G, M, -1, -2, -3, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26				
	27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48				

Note: Please contact us if the above specifications are exceeded.
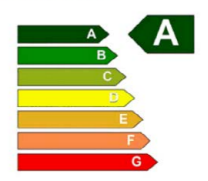
Materials

Item	Specifications	Remarks
Car wall and car door	Painted steel sheet, hairline-finish stainless steel, hairline-finish etched stainless steel, hairline-finish titanium stainless steel, hairline-finish etched titanium stainless steel, mirror-finish stainless steel, mirror-finish etched stainless steel, mirror-finish titanium stainless steel, mirror-finish etched titanium stainless steel, random-pattern stainless steel, random-pattern titanium stainless steel, sand-pattern stainless steel, sand-pattern titanium stainless steel, metallic painted steel sheet, aminated steel sheet, PPS steel sheet	Applicable to customized solution
Mirror	No. half-length, full-length	Door opening type is 1D1G
	No	Door opening type is not 1D1G
Type of handrails	No, front, side, three-side	Customized car decoration solution and door opening type is 1D1G
	No, side	Customized car decoration solution and door opening type is not 1D1G
Flooring	PVC stone flooring, parquet flooring	
	Marble flooring	
Hall door	Painted steel sheet, hairline-finish stainless steel, hairline-finish etched stainless steel, hairline-finish titanium stainless steel, hairline-finish etched titanium stainless steel, mirror-finish stainless steel, mirror-finish etched stainless steel, mirror-finish titanium stainless steel, mirror-finish etched titanium stainless steel, random-pattern stainless steel, random-pattern titanium stainless steel, metallic painted steel sheet, F-Design-II	
Jamb	Painted steel sheet, metallic painted steel sheet, hairline-finish stainless steel, hairline-finish titanium stainless steel, mirror-finish stainless steel, mirror-finish titanium stainless steel, random-pattern stainless steel, random-pattern titanium stainless steel, sand-pattern stainless steel, sand-pattern titanium stainless steel	Applicable to E312, E322 and CO; applicable to E102, E302
	Painted steel sheet, hairline-finish stainless steel	Applicable to E312, E322 and 2S

Civil Engineering Dimensions (LEHY-M-II CWT Side Drop)*

Item	Specifications					Notes
Rated capacity (kg)	1050	1200	1350	1600		
Specification code	P14W	P-16	P-18	P21W	P21D	
Car internal width AA (mm)	1600	1600	1700	2000	1400	
Car internal depth BB (mm)	1500	1700	1800	1700	2330	
Clear entrance width	900	900	900	1000	900	CO/2S for P21D and CO for others.
JJ (mm)	1000	1000	1000	1100	1000	CO/2S for P21D and CO for others.
	-	-	-	1200	1100	CO/2S for P21D and CO for others.
	-	-	-	-	1200	2S.
	-	-	-	-	1300	2S.
Clear entrance height	2100	2100	2100	2100	2100	
HH (mm)	2200	2200	2200	2200	2200	BB ≥ 2300.
	2300	2300	2300	2300	2300	BB ≥ 2400.
	2400	2400	2400	2400	2400	BB ≥ 2500.
Hoistway type	Single-car hoistway, Double-car hoistway					Double-car hoistway is standard. When multiple-car or three-car (or more) shared hoistway is used, see double-car hoistway and machine room data for extension.
Hoistway width AH (mm)	≥5420	≥5420	≥5620	≥6220	≥5420	Without CWT safety gear, CO and double-car hoistway.
	≥2660	≥2660	≥2760	≥3060	≥2660	Without CWT safety gear, CO and single-car hoistway.
	≥5500	≥5500	≥5700	≥6300	≥5520	With CWT safety gear, CO and double-car hoistway.
	≥2700	≥2700	≥2800	≥3100	≥2710	With CWT safety gear, CO and single-car hoistway.
	-	-	-	-	≥5020	Without CWT safety gear, 2S and double-car hoistway.
	-	-	-	-	≥2460	Without CWT safety gear, 2S and single-car hoistway.
	-	-	-	-	≥5120	With CWT safety gear, 2S and double-car hoistway.
	-	-	-	-	≥2510	With CWT safety gear, 2S and single-car hoistway.
Hoistway depth BH (mm)	≥2020	≥2270	≥2320	≥2270	≥2850	Without CWT safety gear, CO and 1D1G.
	≥2170	≥2270	≥2320	≥2270	≥2850	With CWT safety gear, CO and 1D1G.
	-	-	-	-	≥2850	2S and 1D1G.
	-	-	-	-	≥2904	CO and 1D2G/2D2G.
	-	-	-	-	≥3050	2S and 1D2G/2D2G.
Machine room internal width AM (mm)	≥(AH+400)	≥(AH+400)	≥(AH+400)	≥(AH+400)	≥(AH+400)	
Machine room internal depth BM (mm)	≥(BH+1600)	≥(BH+1600)	≥(BH+1600)	≥(BH+1600)	≥(BH+1600)	
Machine room height (mm)	≥2700	≥2700	≥2700	≥2700	≥2700	
Pit depth PD (mm)	≥1950	≥1950	≥1950	≥1950	≥1950	Speed 2.5 m/s and TR ≤ 100.
	≥3050	≥3050	≥3050	≥3050	≥3050	Speed 2.5 m/s and TR > 100.
	≥3250	≥3250	≥3250	≥3250	≥3250	Speed 3 m/s.
	≥3500	≥3500	≥3500	≥3500	≥3500	Speed 3.5 m/s
Overhead OH (mm)	≥5600	≥5150	≥5150	≥5150	≥5150	Without CWT safety gear and speed 2.5 m/s.
	≥5800	≥5700	≥5700	≥5700	≥5700	Without CWT safety gear and speed 3 m/s.
	≥6250	≥6050	≥6050	≥6050	≥6050	Without CWT safety gear and speed 3.5 m/s.

Civil Engineering Dimensions (LEHY-M-II CWT Side Drop)*

Item	Specifications						Notes
Rated capacity (kg)	1050	1200	1350	1600	1800	2025	
Specification code	P14W	P16W	P18W	P21W	P24W	P27W	
Car internal width AA (mm)	1600	1800	2000	2000	2100	2100	
Car internal depth BB (mm)	1500	1500	1500	1700	1800	1950	
Clear entrance width JJ (mm)	900	900	1000	1000	1100	1100	CO.
	1000	1000	1100	1100	1200	1200	CO.
	-	1100	1200	1200	-	-	CO.
Clear entrance height HH (mm)	2100	2100	2100	2100	2100	2100	
	2200	2200	2200	2200	2200	2200	BB ≥ 2300.
	2300	2300	2300	2300	2300	2300	BB ≥ 2400.
	2400	2400	2400	2400	2400	2400	BB ≥ 2500.
Hoistway type	Single-car hoistway, Double-car hoistway						Double-car hoistway is standard. When multiple-car or three-car (or more) shared hoistway is used, see double-car hoistway and machine room data for extension.
Hoistway width AH (mm)	≥4500	≥4900	≥5300	≥5300	≥5700	≥5700	Without CWT safety gear and double-car hoistway.
	≥2200	≥2400	≥2600	≥2600	≥2800	≥2800	Without CWT safety gear and single-car hoistway.

*Notes:
1. For single-car hoistway, there may be big noise in the car during operation. Please consult our technical staff.
2. For single-car hoistway, make an air vent of 2 m2 respectively at the position close to the top floor and the bottom floor in the hoistway.

Civil Engineering Dimensions (LEHY-M-II CWT Side Drop)

Item	Specifications						Notes
Hoistway width AH (mm)	≥4700	≥4900	≥5300	≥5300	≥5700	≥5700	With CWT safety gear and double-car hoistway.
	≥2300	≥2400	≥2600	≥2600	≥2800	≥2800	With CWT safety gear and single-car hoistway.
Hoistway depth BH (mm)	≥2300	≥2300	≥2300	≥2500	≥2600	≥2750	Without CTW safety gear.
	≥2350	≥2350	≥2350	≥2550	≥2650	≥2800	With CTW safety gear.
Machine room internal width AM (mm)	≥(AH+500)	≥(AH+300)	≥(AH+250)	≥(AH+250)	≥(AH+400)	≥(AH+400)	
Machine room internal depth BM (mm)	≥(BH+1600)	≥(BH+1600)	≥(BH+1600)	≥(BH+1600)	≥(BH+1700)	≥(BH+1700)	
Machine room height (mm)	≥2500	≥2500	≥2500	≥2500	≥3000	≥3000	
Pit depth PD (mm)	≥1950	≥1950	≥1950	≥1950	≥2100	≥2100	Speed 2.5 m/s and TR ≤ 100.
	≥2850	≥2850	≥2850	≥2850	≥2850	≥2850	Speed 2.5 m/s and TR > 100.
	≥3000	≥3000	≥3000	≥3000	≥3000	≥3000	Speed 3 m/s and TR ≤ 100.
	≥3500	≥3500	≥3500	≥3500	≥3650	≥3650	Speed 3 m/s and TR > 100.
	≥3200	≥3200	≥3200	≥3200	≥3200	≥3200	Speed 3.5 m/s and TR ≤ 100.
	≥3750	≥3750	≥3750	≥3750	≥3900	≥3900	Speed 3.5 m/s and TR > 100.
	≥3950	≥3950	≥3950	≥3950	≥4200	≥4200	Speed 4 m/s and TR ≤ 100.
	≥3950	≥3950	≥3950	≥3950	≥4200	≥4200	Speed 4 m/s and TR > 100.
Overhead OH (mm)	≥5150	≥5150	≥5150	≥5150	≥5400	≥5400	Without CTW safety gear and speed 2.5 m/s.
	≥5700	≥5700	≥5700	≥5700	≥5950	≥5950	Without CTW safety gear and speed 3 m/s.
	≥6050	≥6050	≥6050	≥6050	≥6300	≥6300	Without CTW safety gear and speed 3.5 m/s.
	≥6450	≥6450	≥6450	≥6450	≥6700	≥6700	Without CTW safety gear and speed 4 m/s.
	≥5400	≥5550	≥5650	≥5900	≥5800	≥5900	With CWT safety gear, speed 2.5 m/s and TR ≤ 100.
	≥5150	≥5250	≥5400	≥5650	≥5550	≥5600	With CWT safety gear, speed 2.5 m/s and TR > 100.
	≥5700	≥5700	≥5700	≥5800	≥5950	≥5950	With CWT safety gear and speed 3 m/s.
	≥6150	≥6200	≥6350	≥6550	≥6500	≥6600	With CWT safety gear, speed 3.5 m/s and TR ≤ 100.
	≥6050	≥6050	≥6050	≥6200	≥6300	≥6300	With CWT safety gear, speed 3.5 m/s and TR > 100.
	≥6450	≥6450	≥6500	≥6750	≥6700	≥6700	With CWT safety gear and speed 4 m/s.

Civil Engineering Dimensions (LEHY-H)

Item	Specifications					Notes
Rated capacity (kg)	1200	1350	1600	1800	2025	
Car internal width AA (mm)	1800	2000	2000	2100	2100	
Car internal depth BB (mm)	1500	1500	1700	1800	1950	
Clear entrance width JJ (mm)	1000	1100	1100	1200	1200	
Clear entrance height HH (mm)	2100	2100	2100	2100	2100	
Hoistway type	Shared hoistway	Shared hoistway	Shared hoistway	Shared hoistway	Shared hoistway	Three-car (or more) shared hoistway is recommended. See double-car hoistway and machine room data for extension.
Hoistway width AH (mm)	≥5100	≥5500	≥5500	≥5700	-	Speed ≤ 6 m/s and double-car hoistway.
	≥5600	≥5600	≥5600	≥5800	≥5800	Speed ≥7 m/s and double-car hoistway.
Hoistway depth BH (mm)	≥2300	≥2300	≥2500	≥2650	-	Speed ≤ 6 m/s, TR ≤ 150 m and without CWT safety gear.
	≥2320	≥2320	≥2570	≥2670	-	Speed ≤ 6 m/s, TR > 150 m and without CWT safety gear.
	≥2400	≥2400	≥2600	≥2700	-	Speed ≤ 6 m/s, TR ≤ 150 m and with CWT safety gear.
	≥2420	≥2420	≥2620	≥2720	-	Speed ≤ 6 m/s, TR > 150 m and with CWT safety gear.
	≥2500	≥2500	≥2700	≥2800	≥2950	Speed ≥ 7 m/s and without CWT safety gear.
	≥2600	≥2600	≥2800	≥2900	≥3050	Speed ≥ 7 m/s and with CWT safety gear.
Machine room internal width AM (mm)	≥5550	≥5850	≥5850	≥6000	-	Speed ≤ 6 m/s and double-car hoistway.
	≥6450	≥6450	≥6450	≥6600	≥6600	Speed ≥ 7 m/s and double-car hoistway.
Machine room internal depth BM (mm)	≥(BH+1700)	≥(BH+1700)	≥(BH+1700)	≥(BH+1700)	≥(BH+1700)	Speed ≤ 6 m/s.
	≥(BH+3500)	≥(BH+3500)	≥(BH+3500)	≥(BH+3500)	≥(BH+3500)	Speed ≥ 7 m/s.
Machine room clear height (mm)	≥3000	≥3000	≥3000	≥3000	≥3000	Speed ≤ 6 m/s.
	≥3600	≥3600	≥3600	≥3600	≥3600	Speed ≥ 7 m/s.
Pit depth PD (mm)	≥5300	≥5300	≥5300	≥5300	-	Speed ≤ 6 m/s and TR ≤ 150 m.
	≥5500	≥5500	≥5500	≥5500	-	Speed ≤ 6 m/s and TR > 150 m.
	≥7000	≥7000	≥7000	≥7000	≥7000	Speed ≥ 7 m/s
Overhead OH (mm)	≥6800	≥6800	≥6800	≥6800	-	Speed ≤ 6 m/s and TR ≤ 150 m.
	≥7200	≥7200	≥7200	≥7200	-	Speed ≤ 6 m/s and TR ≤ 150 m.
	≥8400	≥8400	≥8400	≥8400	≥8400	Speed ≥ 7 m/s.

Notes:
1. In the above table, OH is applicable to the situation when BB is 2300 mm and the selected car ceiling thickness is ≤ 200 mm. When BB is too high, OH should be increased accordingly.
2. LEHY-H has shared hoistway design and will produce great noise in the car for single hoistway during operation. This should be avoided.
3. LEHY-H is highly scalable. If out of the above scope, consult with our technical staff.
4. For ITS-21 and ITS-2100, if elevators in the group control have different stops, non-standard design is required.
5. The main floor cannot be the top terminal station.

Overview — Design — Features — Specifications — Civil Engineering — Safe and Secure

德国莱茵 TÜV 认证能效等级

Lift energy efficiency certificate according to ISO 25745-2	
Manufacturer: Shanghai Mitsubishi Elevator Co., Ltd.	Energy efficiency class A
Location: No. 811 Jiangchuan Road, Minhang Dovelopmont Zone, Shanghai 200245, P.R. China	A
Lift model: LECY-II	
Lift type: Passenger Lift	
Serial number: 17N3S10-RAS-4	
Rated load: 1050kg	
Rated speed: 1.75m/s	
Operating days per year: 365	Annual energy consumption as shown: 3638.7 kWh
Idle power: 192 W Performance level for idle: 3	
5min standby power: 111 W Performance level for 5min standby: 3	
30min standby power: N/A Performance level for 30min standby: N/A	
Specific running energy for the average cycle: 0.510 mWh/kg*m Performance levels for running: 1	
Usage category 4 according to ISO 25745-2.2015 Comparisons of energy efficiency classes are possible under equal usage only.	
Date: 24.04.2017 Reference: ISO 25745-2:2015	

Technology Changes Our Life,

Technology Leads the Future,

Shanghai Mitsubishi Elevator, Is Always With You.

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

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