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Specifications subject to change without notice
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LEHY Series · Intelligent Elevators

LEHY-Pro/LEHY-ProB

Intelligent Safety Control

•

Intelligent Information Transmission

•

Intelligent Connectivity Service

•

Intelligent Man-machine Interaction

•

Intelligent Safety Features

•

Intelligent Allocation Function

•

Age-old Craft and Modernization

•

New Design for Ride Comfort

•

Better Applicability

•

More Energy-saving

LEHY-Pro

LEHY Series

Intelligent Elevators

上上下下的享受

New benchmark in safety, comfort, energy-efficiency and technology for the elevator industry.

Significantly improve the cost-efficiency and competiveness of products.

General

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Design

Integrative Car Design ····· P.13

Car for Hospital Beds ····· P.21

Human-machine Component Design ····· P.25

Hall Design ····· P.29

Functions

Feature List ····· P.33

Specifications

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Civil

Inquire by Scanning QR Code of ELeCivil ····· P.38

LEHY-Pro

Intelligent Safety Control

ZFS-ELE200 Intelligent Elevator Safety System

Achieve the change from indirect detection to direct, real-time and accurate monitoring of car position, ensuring more accurate detection and safer, smoother elevator operation

Absolute Position Detection

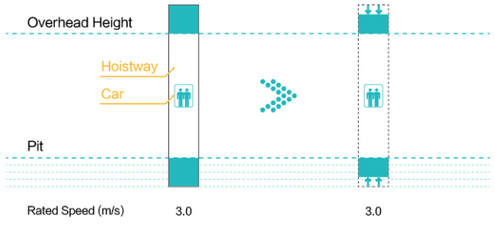
Hoistway "GPS" to monitor the car position and speed in real time

ZFS-ELE200 uses absolute position detection to replace the conventional incremental indirect position detection, which enables the safety and control system to obtain the car position and speed more accurately. "Indirect measurement and estimate conversion" has become a thing of the past.

Industry-leading SETS Technology

Effectively reduce pit depth and overhead

ZFS-ELE200 integrates Smooth Emergency Terminal Slowdown (SETS) technology to ensure safety when the terminal slowdown system fails to work properly, and effectively reduce the pit depth and overhead of the hoistway. In addition, this technology also reduces requirements for civil engineering as well as the construction cost of buildings.

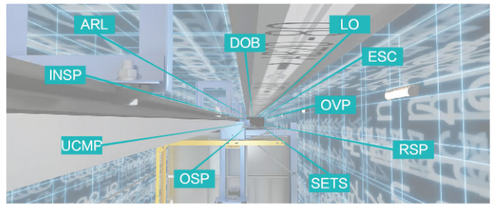


Integrate over 30 Safety Features

Ensure all-around operational safety at the system level

ZFS-ELE200 realizes various safety features, including car position and speed protection, unintended car movement protection and door lock contact detection. Its design optimizes the system structure, reduces the complexity of safety circuits, and improves the reliability for the entire elevator.

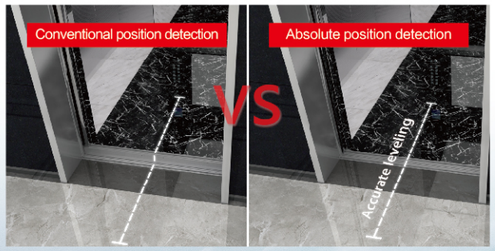
NETECNational Elevator Inspection and Testing Center



Improve Leveling Accuracy

Improve real-time performance and resolution of car position detection

LEHY-Pro uses absolute position sensors and traction machine encoders for control, realizing millisecond detection delay and position capture with a resolution of less than 0.03 mm and improving the leveling accuracy to no more than ±5 mm.

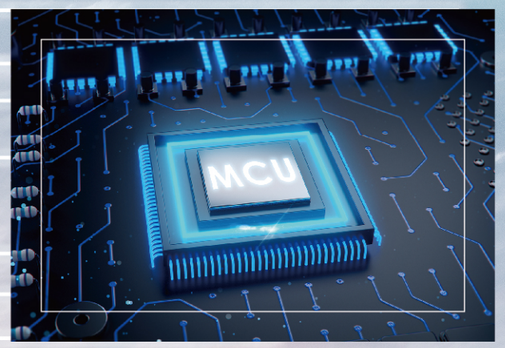


Use High-performance Dual-core MCUs and Independent Physical Communication Channels

Secure, reliable and real-time safety assurance

ZFS-ELE200 adopts a dual-channel structure with diagnostics, with the logic part equipped with multiple safety MCUs that achieve SIL3/ASILD certification to provide signal monitoring and safety protection.

ZFS-ELE200 uses physical channels designed for safety communication to separate safety signals from non-safety signals to ensure information is transmitted in a reliable and timely manner and safety integrity meets SIL3 requirements.



LEHY-Pro

Intelligent Information Transmission

DigTel-II Elevator Data Transmission System

An information superhighway connects the elevator and cloud platform,
with faster speed, larger capacity, and easier function extension

Intelligent Data Transfer Channel

- Use a digital solution to integrate the remote elevator monitoring function and the digital multi-party call function and provide intelligent elevator calls, intelligent elevator management and other optional functions, making the entire data transfer system scalable and future-proof.
- Core devices uses a high-performance ARM structure as the center of data transfer network.
- Supports public and private APN network access.

Elevator IoT Function

- Monitor the operation status, exceptions and errors of elevators in real time and ensure passenger safety through predictive maintenance and automatic work order assignment.
- Comply with local elevator IoT standards.
- Customers can select a value-added cloud platform service package.

High-performance Digital Call

- Long-range network connected to many devices.
- LCD display of the data transfer device in the monitoring room can show the condition in the car in real time to enable video calls (if cameras are available in the car) .
- Clear image and sound, high noise immunity.
- Digital transmission to significantly improve anti-interference performance and reliability.
- Optimized audio-video coding/decoding.
- Echo suppression technology to remove echo and reverberation.
- Volume adjusted online.

LEHY-Pro

Intelligent Connectivity Service

More Visual, Convenient and Intelligent Experience

Physical buttons and phone App can be used for man-machine interaction

EleCall App (optional)

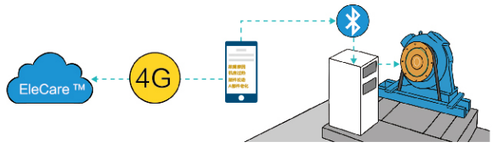
Passenger

- Fast Green Channel
  Short-term exclusive elevator services can be provided for important (VIP passengers) and emergency (hospital surgery) demand.
- Identify and ride an elevator via phone
  Passengers can ride an elevator through Bluetooth on their phone, without an IC card. They do not need to touch any button and can ride an elevator more safely.
- Identify and ride an elevator via QR code
  Passengers can ride an elevator by scanning the QR code with their phone, without an IC card. When they have visitors, they can generate a QR code and send it to the visitors to ride the elevator.

EleLink App (optional)

Maintenance Staff

In case of a fault, authorized maintenance staff can locate and fix the fault more quickly through the EleLink App, minimizing the impact of shutdown.



EleCare App (optional)

Attendant

- Property management staff can connect their phones with elevators through Bluetooth and use the electrical device control function on EleCare App to control all electrical devices in the car without any remote, including turning on/off and mode setting of lighting, fans and air conditioners. They can manage elevators more easily on the App.
  For example, they can set and adjust the color temperature and brightness intelligently on the App to create a more comfortable ride environment, and can easily control the lights as they like to create different atmosphere in the car at different periods through various pre-set modes.
- Property management staff can connect their phones with elevators through Bluetooth and use the elevator door control function on EleCare App to set common door functions, such as Independent Service Operation, IC Card, Attendant Service Operation, and Non-Service to Specific Floors. They can complete elevator settings more easily on the App.
  For example, when they enable Attendant Service Operation on the App, the elevator will be exclusively operated by the attendant. When Non-Service to Specific Floors is enabled, they can set which floors the elevator does not stop.

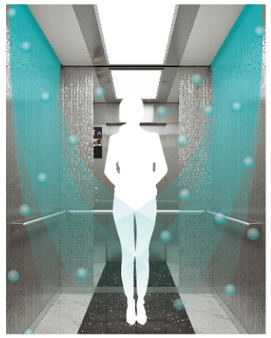
LEHY-Pro

Intelligent Man-machine Interaction

Intelligent and User-friendly Man-machine Interaction Components

Reflect the design philosophy of "man-machine-environment harmony"

Water Ion Air Conditioners and Fans (optional)



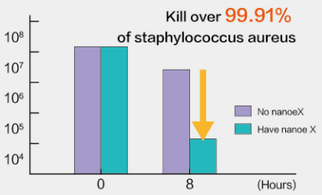
Cleaner

- Equipped with Panasonic nanoeTM X water ion generator imported from Japan, which can kill attached bacteria and viruses.
- Equipped with high-sensitivity VOC sensors, which enable the fan to switch to the maximum speed for quick ventilation when smoke or unpleasant smell is detected.

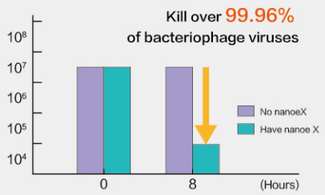
More User-friendly

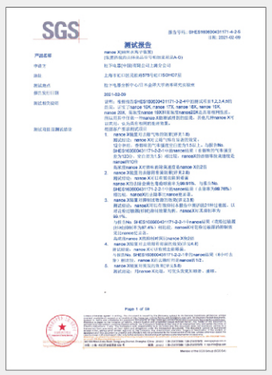
- Fan speed can be adjusted according to the load: The fewer the number of passengers is, the slower and the quieter the fan is.
- Fan speed can also be adjusted from a mobile app.

Concentration of bacteria cfu/Gauze



Number of virus infections cfu/Gauze




SGS
测试报告

Introduction to nanoe™ X Technology

- nanoe™X are water-wrapped nano-sized particles, which can kill the attached bacteria and viruses by denaturing their protein.
- The eight-hour nanoe™ X test in a 23.3 m^3 lab has proved that, nanoe™X can kill up to 99.91% of Staphylococcus aureus.
- The eight-hour nanoe™X test in a 23.3 m^3 lab has proved that, nanoe™X can kill up to 99.96% of bacteriophage.
- nanoe, nanoe™X, nanoe label, and nanoe™X label are trademarks of Panasonic Corporation

28.6" touch-screen operating panel (optional)

Industrial Capacitive Touch-screen

Use a 28.6" industrial capacitive touch-screen operating panel, creating strong visual impact and offering three UI designs to meet the requirements of different application scenarios and customers.

Fully Physically Toughened Glass Panel

High impact strength (With surface stress greater than 90 MPa, the glass is not damaged when a steel ball of 1040 g falls onto the glass from a height of 1 m), safe, stable and reliable.

User-friendly Interaction Interface

A convenience mode is designed to help wheelchair users and passengers to press the buttons for higher floors, and the address card can be replaced easily.

ZCBE03-T810 touch-screen operating panel has been awarded:

Good Design Award 2020
Red Dot Award 2020
iF Design Award 2020

GOOD DESIGN AWARD 2020 · reddot winner 2020 · iF DESIGN AWARD 2020

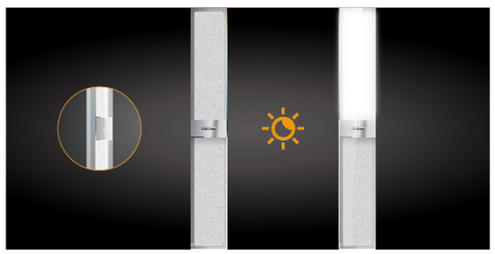
New Intelligent Hall Lanterns (optional)

Adaptive Voice Function

Adjust volume according to the environment to remind passengers of car arrival properly even in a noisy environment.

Adaptive Brightness Function

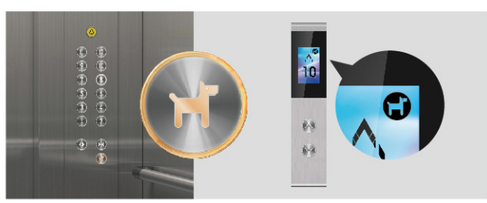
Adjust brightness according to the environment to provide users with bright but not dazzling light.



Pet Reminder Function (optional)

Let Neighbors Feel the Warmth

When riding the elevator with a pet, a passenger can press the pet button to provide a visual indication for passengers at other floors.In so doing, passengers at other floors can decide to or not to ride the elevator as needed, to effectively avoid unexpected pet disturbance.



LEHY-Pro

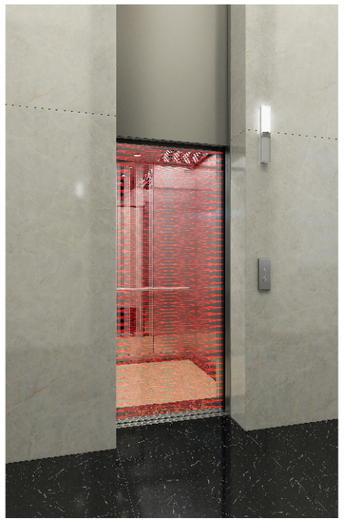
Intelligent Safety Features

A variety of Intelligent Safety Features

Take all application scenarios into account to prevent safety risks

More accurate and reliable and safer intelligent MBS

- More intensive light beams to deliver more accurate detection: pairs of light posts ⩾ 35, number of light beams ⩾ 169 (comply with EN81-20), providing better protection for passengers when they come in and out of the door zone.
- Intelligent MBS self-check mode ensures the MBS can function properly when the doors open each time to prevent dangers . (If the self-check fails, the doors will be closed slowly to reduce the kinetic energy and an alarm will be triggered.)
- Intelligent MBS can detect an disconnection or adhesion fault to avoid missed detection of an MBS fault.
- MBS is used to help detect whether the doors are closed to prevent the risk of man-made short circuit of the door interlock switch, providing better safety protection.



Intelligent Safety Features

- 24-hour self-check: Self check braking torque and balance coefficient automatically to ensure the healthy functioning of the elevator system.
- Car slide safety protection: When the car slides suddenly, the three-phase winding of PM traction machine is shorted to reduce the speed the car slides to minimize safety risks.
- Automatic pit flood alarm: A water level indicator is optional, which will stop the elevator and trigger an alarm when the water level exceeds the alert level.

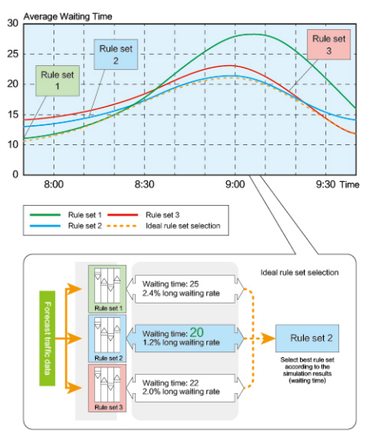
Intelligent Allocation Function

Greatly Reduce Wait Time

Better adaptability to reduce energy consumption

8-car Group Control and Benefits

- Neural network to identify the traffic of the building.
- Fuzzy rules to control the number of elevators that are allocated to or stop at a congested floor at peak hours.
- Self-learning to analyze traffic data and predict the trend to ensure optimal allocation.
- Real-time simulation to evaluate the running time and psychological wait time based on each rule and apply the best rule to allocate cars over each period.
- Self-diagnosis: In case of computing, transmission and other problems, the group control system will record them in a fault log and read the fault history when the computer is repaired.
- Collaborative optimization: Focus on improving allocation efficiency at peak hours and considering energy efficiency at non-peak hours.



2C-4C-SM21 Group Control Mode

In actual scenarios like ordinary residential buildings, dispatch 4 cars in a group, including automatically improving the priority of the main landing over a particular period of time.

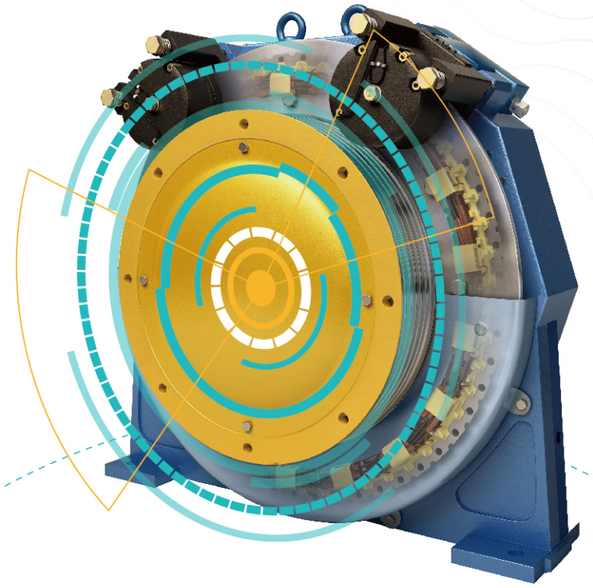
LEHY-Pro

Age-old Craft and Modernization

More Powerful Traction Machine

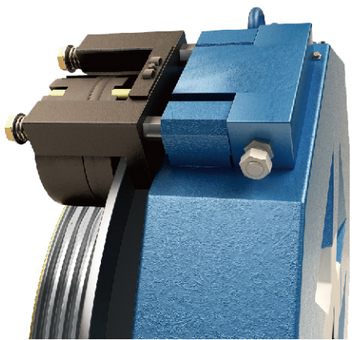
Sophisticated Technology and Wide Recognition

Inherit the sophisticated traction machine technology of flagship products



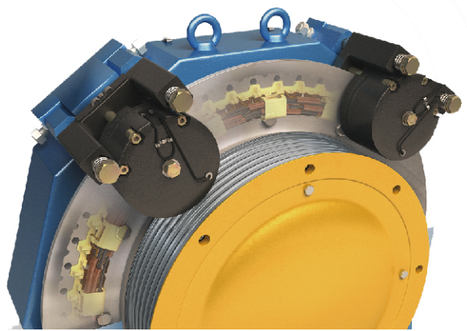
Extend the Specifications of Traction Machine

Meet the new specifications



Evolved from Japan's Mitsubishi Technology

Some traction machines adopting the structure of joint-type stator core



LEHY-Pro

New Design for Ride Comfort

Optional roller guideshoes for the entire series

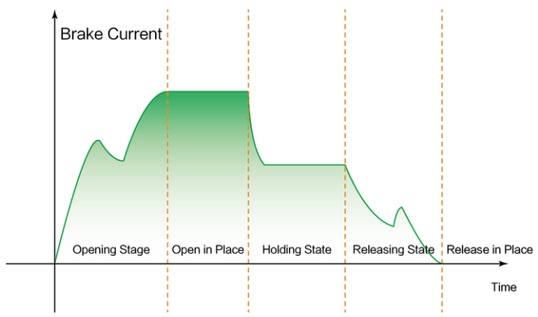
Improve ride comfort

Patented Damping Door Vane

Reduce the feeling of shaking when passengers come in and out of the car

Mute Brake Control Technology

The car starts and stops steadily and smoothly

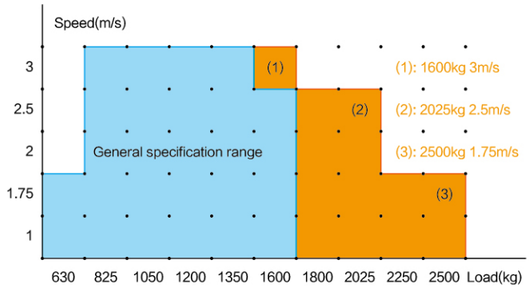


Awarded the top ride quality (Good) by TÜV Rheinland

Better Applicability

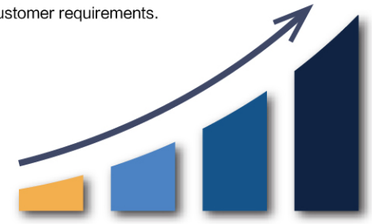
Improved Load Capacity and Speed

Positioned as flagship compact machine-room elevators with improved load capacity and speed to meet the requirements of medium-and-high-end residential buildings, hotels, commercial buildings, etc.



Civil Engineering, Specifications and Decoration Eeight

- Civil engineering dimensions are improved, especially overhead and pit depth.
- The travel and car specifications are improved. For example, the maximum external height of the car can reach 3400 mm.
- The additional decoration weight of the car is improved. For example, with a load capacity of 1600 kg, maximum travel and external height of 3400 mm, an additional decoration weight of 600 kg can be reserved.
- Meet high-end customer requirements.

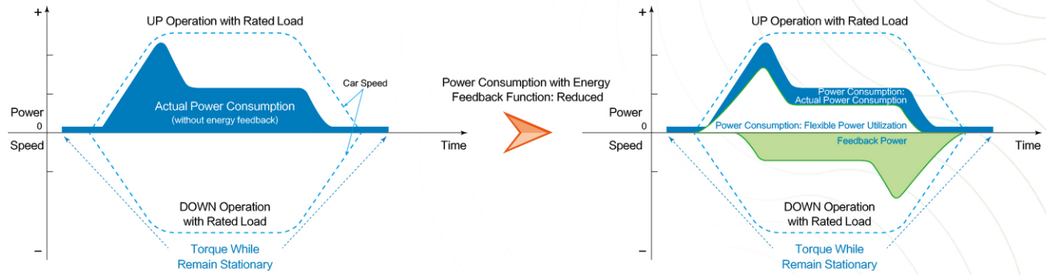


LEHY-Pro

More Energy-saving

Saving-Energy Feedback Technology

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.

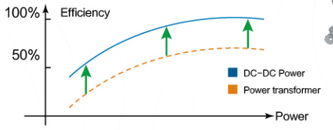


Advantages of LEDs

Ceiling	
Service Life (hour)	Power Consumption (W)
LED	LED
25000	25
Incandescent Bulb	Incandescent Bulb
2000	132
About 12.5 times	Reduced by about 75%

DC-DC Digital Power Supply System

An all-switch power supply system is used to replace conventional transformers, which not only greatly reduces energy consumption, but also ensures a small size, high safety, reliability and noise immunity, etc.



Energy-saving Function

Energy-saving Operation-Number of Cars(ESO-N)
Energy-saving Operation-Allocation Control (ESO-W)
Car Fan Off-Automatic (CFO-A)
Car Lighting Off-Automatic (CLO-A)

Energy efficiency: Grade A

Two energy-efficiency certificates from TÜV Rheinland:
VDI 4707 Top Grade-A
ISO 25745 Top Grade-A

LEHY-Pro

Integrative Car Design

Advantages offered by original Shanghai Mitsubishi design

Original design | Quality assurance | Time and effort saving | Safe and secure

1. Elaborate design and professional calculation

Specialized design solutions are provided for various types of buildings, with a wide selection of design styles available. The car weight is strictly calculated to prevent it from exceeding the allowed limit when customers redesign the car on their own.

2. Complying with standards and safe & secure

Materials used for car design are in strict conformity with the fire-resistance rating requirements stated in GB 7588, so as to prevent safety risks caused by materials used for customers' redesign.

3. Strict testing and long-lasting quality

Materials, processes and lighting fixtures used in original Mitsubishi design have undergone strict reliability tests, which can better guarantee the quality as compared with the quality displayed when customers redesign the car on their own.

Remark:

1. Car dimensions of the sample elevator: AA = 1600 mm, BB = 1500 mm, HH = 2100 mm, HL = 2400 mm.
2. Ceilings, floorings, handrails, and operating panels are available in other models. See the Material Mapping Table.
3. Front panels, transom panels, and car doors are available in other materials. See the Material Mapping Table.
4. Exquisite Car: integrated design with quality assured
5. Luxury Car: a rich selection of materials; atmosphere rendering technique; superior quality

ZCD-020X

Ceiling
ZCL-GS17

Rear wall
Two sides: Stainless steel, mirror-finish
Central: Etched and painted stainless steel, mirror-finish (ZHF-005)

Side wall
Two sides: Stainless steel, mirror-finish
Central: Etched and painted stainless steel, mirror-finish (ZHF-005)

Handrails
Round stainless steel handrails (ZYH-RH05)

Flooring
Marble flooring (ZSC-012)

Scan the QR code to view the real-image of the car

ZCD-022X

Ceiling
ZCL-GS08

Rear wall
Two sides: Laminated steel sheets (ZYM-016)
Central: Etched and antique copper stainless steel, hairline-finish (ZHF-002)

Side wall
Two sides: Titanium plated stainless steel, mirror-finish (ZDT-006)
Central: Etched and antique copper stainless steel, hairline-finish (ZHF-002)

Handrails
Round stainless steel handrails (ZYH-RH05)

Flooring
Marble flooring (ZSC-014)

Scan the QR code to view the real-image of the car

The picture is a schematic rendering. The size and appearance may vary according to actual specification and configurations.

ZCD-039T

Ceiling
ZCL-GS18

Rear wall
Two sides: Titanium plated stainless steel, mirror-finish (ZDT-004)
Central: Laminated steel sheet (ZTM-056)

Side wall
Laminated steel sheet (ZYM-018)

Handrails
Round stainless steel handrails (ZYH-RH05)

Flooring
Marble flooring (ZSC-014)

Scan the QR code to view the real-image of the car

ZCD-040T

Ceiling
ZCL-GS18

Rear wall
Two sides: Random pattern titanium plated stainless steel (ZDT-506)
Central: Brushed titanium plated stainless steel (ZLS-002+ZDT-006)

Side wall
Two sides: Random pattern titanium plated stainless steel (ZDT-506)
Central: Brushed titanium plated stainless steel (ZLS-002+ZDT-006)

Handrails
Round stainless steel handrails (ZYH-RH05)

Flooring
Marble flooring (ZSC-014)

Scan the QR code to view the real-image of the car

ZCD-021X

Ceiling
ZCL-GS22

Rear wall
Two sides: Laminated steel sheets (ZYM-001)
Central: Etched titanium plated stainless steel, mirror-finish (ZHY-027+ZDT-001)

Side wall
Two sides: Titanium plated stainless steel, hairline-finish (ZHY-028+ZDT-001)
Central: Laminated steel sheets (ZYM-001)

Flooring
Marble flooring (ZSC-013)

Scan the QR code to view the real-image of the car

ZCD-022T

Ceiling
ZCL-GS22

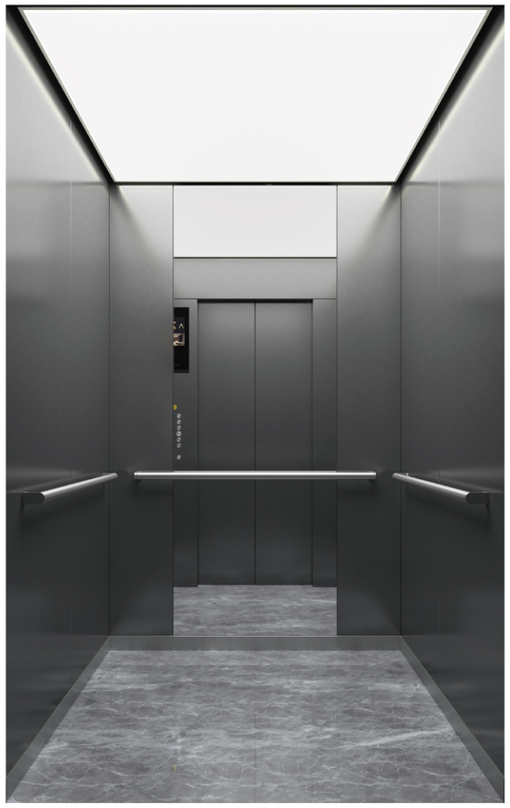
Rear wall
Sandblast titanium plated stainless steel, mirror-finish (ZPS-002+ZDT-001)

Side wall
Stainless steel, hairline-finish
Handrails
Round stainless steel handrails (ZYH-RH06)

Flooring
Marble flooring (ZSC-029)

Scan the QR code to view the real-image of the car

The picture is a schematic rendering. The size and appearance may vary according to actual specification and configurations.



ZCD-030G

Ceiling
ZCL-DN02

Rear wall
Two sides: Random pattern titanium plated fingerprint-resistant stainless steel (ZDT-505)
Central: Stainless steel, mirror-finish

Side wall
Random pattern titanium plated fingerprint-resistant stainless steel (ZDT-505)

Handrails
Round stainless steel handrails (ZYH-RH06)

Flooring
Marble flooring (ZSC-029)

Scan the QR code to view the real-image of the car

ZCD-025G

Ceiling
ZCL-GS06

Rear wall
Two sides: Stainless steel, hairline-finish
Central: Stainless steel, mirror-finish

Side wall
Two sides: Stainless steel, hairline-finish
Central: Stainless steel, mirror-finish

Handrails
Round stainless steel handrails (ZYH-RH06)

Flooring
Parquet PVC flooring (ZPH-034)

Scan the QR code to view the real-image of the car

ZCD-041T

Ceiling
ZCL-GN07

Rear wall
Two sides: Embossed stainless steel (ZYH-002)
Central: Stainless steel, mirror-finish

Side wall
Embossed stainless steel (ZYH-002)

Handrails
Round stainless steel handrails (ZYH-RH06)

Flooring
Marble flooring (ZSC-001)

Scan the QR code to view the real-image of the car

ZCD-042T

Ceiling
ZCL-GN07

Rear wall
Two sides: Laminated steel sheets (ZYM-020)
Central: Sandblast titanium plated stainless steel, mirror-finish (ZPS-003+ZDT-004)

Side wall
Two sides: Laminated steel sheets (ZYM-020)
Central: Titanium plated stainless steel, mirror-finish (ZDT-004)

Handrails
Round stainless steel handrails (ZYH-RH05)

Flooring
Artificial stone flooring (ZRZ-A03)

Scan the QR code to view the real-image of the car

The picture is a schematic rendering. The size and appearance may vary according to actual specification and configurations.

Note: Technical confirmation is required when ZCD-036X, ZCD-031G, ZCD-032G or ZCD-033G is configured.

ZCD-036X

Ceiling
ZCL-GS18

Rear wall
Two sides: Titanium plated stainless steel, mirror-finish (ZDT-004)
Central: Marble and strips (ZSC-A27+ZYJ-004)

Side wall
Two sides: Titanium plated stainless steel, mirror-finish (ZDT-004)
Central: Caf é fabric finishes and strips (ZNH-001+ZYJ-004)

Handrails
Two-side mirror-finish titanium plated rectangular stainless steel handrails ZYH-SH02 (ZDT-504)

Flooring
Marble flooring (ZSC-014)

Scan the QR code to view the real-image of the car

ZCD-032G

Ceiling
ZCL-DN02

Rear wall
Two sides: Titanium plated stainless steel, mirror-finish (ZDT-007)
Central: Glasses and strips (ZBL-010+ZYJ-003)

Side wall
Rear: Sand pattern titanium plated stainless steel (ZDT-507)
Central and front: Laminated steel sheets and strips (ZYM-021+ZYJ-003)

Handrails
Two-side handrails ZYH-FH03L (ZYM-021+ZDT-503)

Flooring
Marble flooring (ZSC-A25)

Scan the QR code to view the real-image of the car

ZCD-031G

Ceiling
ZCL-GS21

Rear wall
Two sides: Titanium plated stainless steel, mirror-finish (ZDT-006)
Central: Glasses and strips (ZBL-009+ZYJ-001)

Side wall
Two sides: Titanium plated stainless steel, mirror-finish (ZDT-006)
Central: Laminated steel sheets and strips (ZYM-019+ZYJ-001)

Handrails
Round titanium plated handrails, hairline-finish, ZYH-RH05 (ZDT-506)

Flooring
Artificial stone flooring (ZRZ-A03)

Scan the QR code to view the real-image of the car

ZCD-033G

Ceiling
ZCL-GS21

Rear wall
Thin ceramic sheets and strips (ZRZ-A05+ZYJ-001)

Side wall
Laminated steel sheets and strips (ZTM-055+ZYJ-001)

Handrails
Two-side handrails ZYH-FH03 (ZTM-055+ZDT-506)

Flooring
Marble flooring (ZSC-A08)

Scan the QR code to view the real-image of the car

The picture is a schematic rendering. The size and appearance may vary according to actual specification and configurations.

LEHY-ProB

Car for Hospital Beds

ZCD-041T (Deep Car)

Ceiling

ZCL-GN07 UV sterilization ceiling, with UV sterilization lamp as a standard configuration

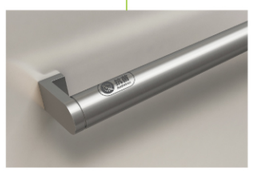
- Highly-efficient sterilization: At least 99% of Escherichia coli are killed.
- Double protection: Start only when the elevator sleep light is off and stop when infrared sensors detect passengers.

Car wall panels

Use Lattice patterned stainless steel to offer higher surface hardness and effectively prevent scratches when medical devices come in and out from the car.

Water ion fan and Water ion air conditioner

Thorough disinfection and sterilization with long-lasting effects to remove and dilute unpleasant odor.



Anti-bacteria button

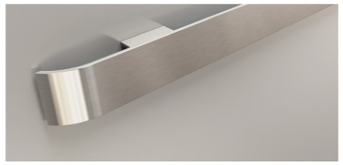
Floating touch button

Round anti-bacteria stainless steel handrails

- Standard product appearance
- 99.99% of Staphylococcus aureus and Escherichia coli are killed within 24 hours.
- Non-toxic; passenger safety guaranteed

The picture is a schematic rendering. The size and appearance may vary according to actual specification and configurations.

Handrail Type



ZYH-FH10
Stainless Steel Flat Handrail

ZYH-RH05/RH05B
Stainless Steel Round Handrail

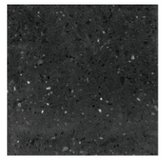
ZYH-RH06/RH06B
Stainless Steel Round Handrail

Notes: Titanium coated stainless steel is alternative for handrail ZYH-FH10\ZYH-RH05\ZYH-RH06. Please refer to material table for details of titanium color code.

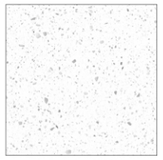
Floor Material

Artificial Stone Flooring

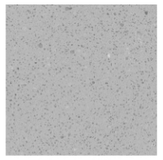
ZRZ-A01



ZRZ-A02

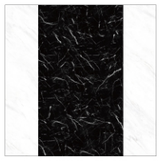


ZRZ-A03

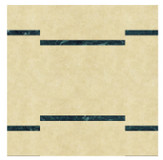


ZRZ-A04

Marble Flooring



ZSC-001



ZSC-002

ZSC-011

ZSC-012

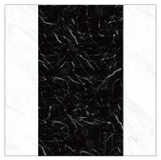
ZSC-013

ZSC-014

ZSC-016

ZSC-029

Parquet PVC Flooring



ZPH-032

ZPH-030

ZPH-028

ZPH-033

ZPH-026

ZPH-029

ZPH-034

ZPH-031

Notes: 1.Single color PVC floor or parquet PVC floor is alternative. Please choose color code according to SMEC color sample.
2.Standard marble floor is made of marble composite aluminum honeycomb board.
3.Marbles belong to natural products and may have patterns. Pattern and color may have slight differences.Full paving of marble may have splicing due to the size limitation.

Material Correspondence Table

Item	Material	Remark
Car Wall and Car Door	Painted steel	Standard
	Film pressed steel, Metallic painted steel, Hairline stainless steel, Etched hairline stainless steel, Titanium-coated hairline stainless steel, Titanium-coated etched hairline stainless steel, Mirror stainless steel, Etched mirror stainless steel, Titanium-coated mirror stainless steel, Titanium-coated etched mirror stainless steel, Irregular-line stainless steel, Titanium-coated irregular-line stainless steel, Sand pattern stainless steel, Titanium-coated sand pattern stainless steel,	Optional
Mirror	Half-length glass mirror, full-length mirror-finish stainless steel mirror, full-length mirror	Optional
Handrail	1D/1G：None, rear wall, two-side walls, three-side walls 1D2G/2D2G：None, two side walls	Optional
Floor	Artificial Stone Flooring, Parquet Marble Floor, Parquet PVC Floor, PVC real stone, pattern-printed stainless steel, non-slip stainless steel	Optional
Car sill	Hard aluminum	Standard
Kickplate	If car walls are of common painted materials, coated steel sheets should be used; if not, hairline-finish stainless steels should be used.	Standard
Titanium plating color	ZDT-001 (rose gold), ZDT-002 (gold), ZDT-003 (black), ZDT-004 (champagne gold), ZDT-005 (light black), ZDT-006 (bronze)	Optional
Fingerprint-resistant titanium plating	ZDT-500 (natural color), ZDT-501 (rose gold), ZDT-502 (gold), ZDT-503 (black), ZDT-504 (champagne gold), ZDT-505 (light black), ZDT-506 (bronze)	Optional

Notes: 1. Single-color real stone flooring is also available. See Decoration Color Code of Shanghai Mitsubishi Elevator for color codes.
2. Standard marble flooring is marble composite aluminum honeycomb panel.

Design of Car Ceiling

ZCL-DN02 (Optional)

Lighting: Integrated direct lighting
Material: White translucent soft film, hairline-finish stainless steel frame
Thickness: 200mm

ZCL-GS21 (Optional)

Lighting: ambient floodlight lighting, central down light direct lighting
Material: central painted steel plate, Titanium-coated hairline stainless steel frame
two-side painted steel plate
Thickness: 200mm

ZCL-GS17 (Optional)

Lighting: two-side down lamp lighting, central floodlight lighting
Material: mirror stainless steel
Thickness: 200mm

ZCL-GS08 (Optional)

Lighting: ambient floodlight lighting, central down light direct lighting
Material: central mirror stainless steel, ambient Painted steel plate
Thickness: 200mm

ZCL-GN07 (Optional)

Lighting: direct lighting provided by central light guide panel
Material: central hairline stainless steel; two-side painted steel plate
Overall hairline stainless steel
Thickness: 100mm

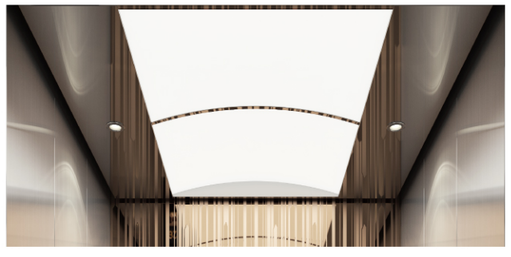
ZCL-GS18 (Optional)

Lighting: central floodlight lighting, ambient down lamp lighting
Material: Coated steel sheets for ceilings at four sides;
mirror-finish titanium stainless steel for frames
Thickness: 200mm

ZCL-GS06 (Optional)

Lighting: central direct lighting; two-side auxiliary lighting
Material: central milk white printed lighting board, ambient metallic
painting steel sheet, translucent plates on both sides
Thickness: 200mm

ZCL-GS22 (Optional)



Lighting: central direct lighting; two-side down lamp lighting
Material: Central milky white arched lighting panel; two-side mirror stainless steel
Thickness: 200mm

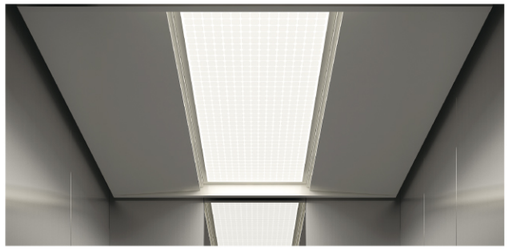
ZCL-SS10 (Standard)

Lighting: central thin light guide panels; ambient lighting at two sides
Material: coating steel sheet
Thickness: 100mm

ZCL-SS07 (Standard)

Lighting: down light direct lighting
Material: coating steel sheet
Thickness: 100mm

ZCL-SS08 (Standard)



Lighting: central direct lighting
Material: central milk white printed lighting board, two-side coating steel sheet
Thickness: 200mm

ZCL-SS07S (Optional)

Lighting: down light direct lighting
Material: hairline stainless steel
Thickness: 100mm

ZCL-CN01 (S200) (Bare Ceiling)

When the ceiling decoration is provided by others, the thickness should be ≥100mm, otherwise the internal structure will be exposed and affect the appearance.

ZCL-CN08 (S300) (Bare Ceiling)

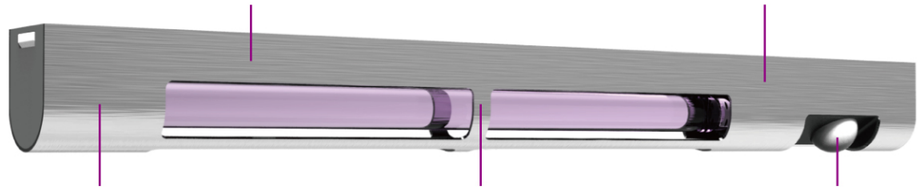
When the ceiling decoration is provided by others, the thickness should be ≥200mm, otherwise the internal structure will be exposed and affect the appearance.

Note:
1. All car roofs adopt LED lighting.
2. The ventilation outlet of car roof is arranged at the back of the two sides. Safety windows are optional at the car top, but shall comply with GB 7588 and GB/T 7588.1. For details, please contact your local sales agent.
3. ZY015 is the default color number for ZCL-SS10, ZCL-GN07 and ZCL-GS21, and Y033 for ZCL-SS08, ZCL-SS07 and ZCL-GS18. If other colors are required for coated steel sheets, please refer to the color samples provided by SMEC.
4. Intelligent LED lighting system

Intelligent UV light Sterilization Lamp (Optional)

Effective and Powerful Sterilization
Operating on the surface of control box and handrail for 12min can kill over 99% of Escherichia Coli. (data calculated by 1050 kg car)

Easy Installation and Modification
Screws are installed in holes drilled on the car ceiling and the power control lines on the lighting wiring terminal.



Appearance Design
The protective housing, mounted in side front of the ceiling in not abrupt way, can not only transmit light, but also protect the tube.

Functional Design
Users can switch between 'Normal' mode and 'Boost' mode, control the mode and power switch with a remote control. The indicator give indications of information like mode, fault, replacement of a tube, etc.

Dual Safety Protection
It start only the elevator entering sleep-mode and lighting is off and lighting lamp go out; it will shut down as soon as the infrared sensor detects any person.

The picture is a schematic rendering. The size and appearance may vary according to actual specification and configurations.

LEHY-Pro

Human-machine Component

1. Full-height car operating panel

The car operating panel is of the same height as and integrated with the front return panel, looking splendid.

2. LCD touch screen operating panel

Industrial touch screen panel is used, offering stability and reliability. With a size up to 28 inches, it is visually stunning, and has a well-designed interface, bringing exceptional operating experience to users.

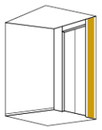
3. EMIDS

The new-generation EMIDS is longitudinally arranged, thus a larger display can be installed on a smaller front return panel. With a newly-designed black gold interface and brand new PI, it looks low key yet luxurious and dynamic.

4. Brand new PI

A brand new arrow shape is used in combination with the logo elements of SMEC and a free-flowing animation, contributing to the unique characteristics of SMEC's products.

Full-height Operation Panel



Front Wall

Side Wall

High hardness resin display window

Orange Segment Display

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

ZCB■-ND10 (Primary)
ZCB■ -ND60 (Auxiliary)
Front Wall/Side Wall

High hardness resin display window

Orange Segment Display

The optional buttons are A04, A05

ZCB■-ND30 (Primary)
ZCB■-ND80 (Auxiliary)
Side Wall
Comply with GB/ T24477 Standard

High hardness resin display window

Yellow Segment Display

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

ZCB■-ND11 (Primary)
ZCB■-ND61 (Auxiliary)
Front Wall/Side Wall

High hardness resin display window

8.4" Color segmented LCD
Black text on a colored background

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

ZCB■-N612 (Primary)
ZCB■-N662 (Auxiliary)
Front Wall/Side Wall

Physically toughened glass

10.4" TFT LCD, black gold interface

The buttons are exchangeable. The figure shown is C14 button.

ZCB■-N310 (Primary)
ZCB■-N360 (Auxiliary)
Front Wall/Side Wall

Physically toughened glass

10.4" EMIDS black gold interface (EMIDS)

The buttons are exchangeable. The figure shown is C14 button.

ZCB■-N710 (Primary)
ZCB■-N760 (Auxiliary)
Front Wall/Side Wall

Physically toughened glas

10.4" TFT LCD, black gold interface (Picture player) Resolution: 1280 × 800 (Support for image playback)

10.1 inch touch screen Resolution: 1280 × 800

ZCBE10-N71B (Primary)
ZCBE10-N76B (Auxiliary)
Front Wall/Side Wall

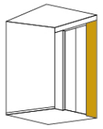
Note:

1、For front return panel ≥ 250 mm, install the operating panel on the front return panel; for front return panel < 250 mm, install the operating panel on the side wall.
2、The symbol ■ refers to the button model. Please select it from the "Diversified button" page.
3、Hairline-finish, mirror-finish, random pattern and sand pattern stainless steel can be used for the faceplate of the operating panel. Non-standard confirmation is required for titanium plated stainless steel.
4、EMIDS can play multimedia information. Non-standard confirmation is required if customers wants to customize the interface.

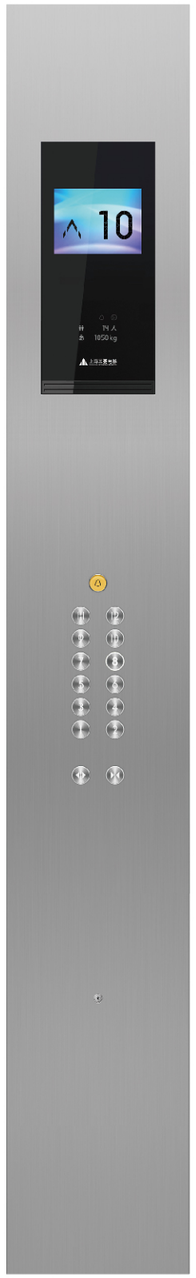
The picture is a schematic rendering. The size and appearance may vary according to actual specification and configurations.

Human-machine Component

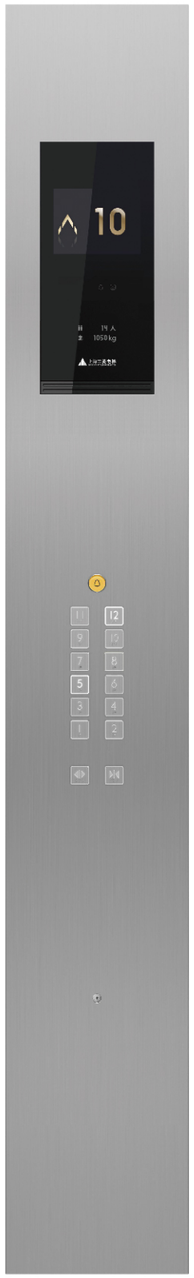
Integrated Operation Panel



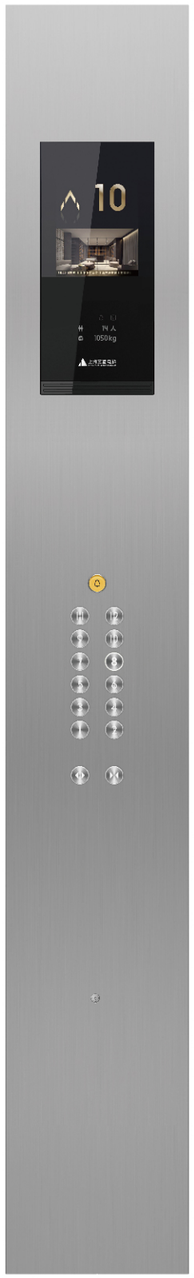
Front-wall



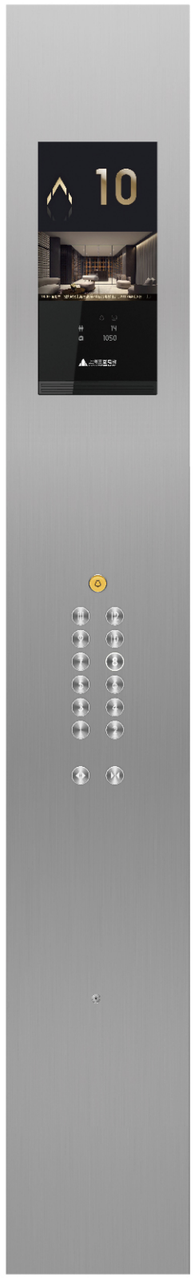
ZCB■-T611(Primary)
ZCB■-T661(Auxiliary)
The buttons are exchangeable.
(Remark 9)
The figure shown is A11 button.
(Configurable when front wall≥250)



ZCB■-T311(Primary)
ZCB■-T361(Auxiliary)
8.4" TFT LCD,
black gold interface (EMIDS)
The buttons are exchangeable.
(Remark 9)
The figure shown is C14 button.
(Configurable when front wall≥250)



ZCB■-T711 (Primary)
ZCB■-T761(Auxiliary)
10.4" TFT LCD,
black gold interface (EMIDS)
Resolution: 1024×768
The buttons are exchangeable.
(Remark 9)
The figure shown is A11 button.
(Configurable when front wall≥250)



ZCB■-T811(Primary)
ZCB■-T861 (Auxiliary)
15" TFT LCD,
black gold interface (EMIDS)
Resolution: 1024×768
The buttons are exchangeable.
(Remark 9)
The figure shown is A11 button.
(Configurable when front wall≥350)

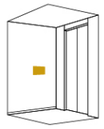
Suggested material of faceplate is titanium coated. Titanium coated mirror stainless steel ZDT-003 is shown on the picture.

ZCBE15-T81C (Primary)
ZCBE15-T86C (Auxiliary)
15" TFT LCD
black gold interface (picture player)
Resolution: 1024×768
(support for image playback)
15.6 inch touch screen
Resolution: 1920×1080
(Configurable when front wall≥350)

Suggested material of faceplate is titanium coated. Titanium coated mirror stainless steel ZDT-006 is shown on the picture.

ZCBE28-T810 (Primary)
ZCBE28-T860 (Auxiliary)
15" TFT LCD,
black gold interface (EMIDS)
Resolution: 1024×768
28.6 inch touch screen
Multiple interface themes can be changed.
Resolution: 1920×540
(Configurable when front wall≥350)

Wheel Chair Operation Panel



Side-wall

The buttons are exchangeable. The figure shown is A14 button.

ZCB■-F011(Primary)/ZCB■-F061 (Auxiliary)

The buttons are exchangeable. The figure shown is A14 button. (Comply with GB/ T24477 Standard)

ZCB■-F131 (Primary)/ZCB■-F181 (Auxiliary)

Diversified Button

Basic Buttons

A11(White Light)
A12(Orange Light)
Diameter 35mm
Machinery Fine Motion
Flat Words
Standby Micro-light
Stainless Steel Surface

A14(White Light)
A15(Orange Light)
Diameter 35mm
Machinery Fine Motion
Protruded Words with Braille
Standby Micro-light
Stainless Steel Surface

C14(White Light)
C15(Orange Light)
Square 35mm
Machinery Fine Motion
Protruded Words with Braille
Standby Micro-light
Stainless Steel Surface

Optional Button Styles

A71
Diameter 35mm, Floating Inductive Flat Text
Standby White Light, Light up the White Light
Flat Words, Mirror stainless steel Surface

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

A81(White Ligh)t
A82(Orange Light)
Diameter 36.5mm
Machinery Fine Motion
Flat Words, Standby Micro-light
Stainless Steel Surface

A84(White Light)
A85(Orange Light)
Diameter 36.5mm
Machinery Fine Motion
Protruded Words with Braille , Standby Micro-light
Stainless Steel Surface

A27
Diameter 50mm
Machinery Fine Motion
Flat Words
Stainless Steel Surface

Remark:

1. The symbol ■ represents the button model, Please select it from the "Diversified button" page.
2. Hairline-finish, mirror-finish, random pattern and sand pattern stainless steel can be used for the faceplate of the operating panel. Non-standard confirmation is required for titanium plated stainless steel.
3. If an integrated operating panel is equipped, the decoration of the side wall shall be less than 15 mm thick when customers redesign the car on its own. If the decoration exceeds 15 mm, non-standard confirmation is required.
4. EMIDS can play multimedia information. Non-standard confirmation is required if customers wants to customize the interface.
5. Three color schemes are available for the interface of a touch screen operating panel: Scheme A is applicable to a maximum number of 64 floors, and Scheme B and Scheme C are applicable to a maximum number of 30 floors.
6. Wheelchair operating panel buttons can only use A14/A15/C14/C15.
7. ZCB■-F131/181 complies with GB/T24477. Technical confirmation is required to determine whether the complete elevator meets the standard.
8. A04,A05 buttons are only compatible with opening panel with GB/T 24477 configuration.
9. The button arrangement shown in the diagram is for reference only. Please refer to appearance documents for details. Non-standard design need to be confirmed in case of special requirement.

The picture is a schematic rendering. The size and appearance may vary according to actual specification and configurations.

LEHY-Pro

Hall Design

Hall Door Design

Matching well with mainstream interior design styles

Better blended with your building environment

Original hall door/car door panel

No need for second design on site to avoid potential safety hazards

Saving cost, time and effort

Same Plane Jamb

Curtain plate and landing door on same plane

Highlight high-end atmosphere.

New Intelligent Direction Lamp

Adjust the luminance and volume automatically according to the environment

Equipped with car arrival chime (AECC) and AECH

Foot-activated Call

Foot-activated call to create a hand-free experience

Registering car calls with a foot movement

Remark:

1. For more information of hall door design, please refer to Selected Sophisticated Design of SMEC Elevators.
2. Applicable size: 900 mm ≤ JJ ≤ 1200 mm, 2000 mm ≤ HH ≤ 2400 mm, and (overall door jamb height) MH + HH ≤ 4000 mm.
3. Side jamb JD=50 for E-132 and E-102.
4. Technical confirmation is required when E-132 jamb is configured.

E-132
Same Plane Jamb

Landing Direction Light: ZHLV-H050
Landing Display Call: ZHBA11-G010
Landing Door Material: Hairline Stainless Steel
Jamb Material: Hairline Stainless Steel

Hall Door and Jamb

E-102 Narrow Door Jamb

Landing Display Call: ZPIA12-GD10
Landing Door Material: Hairline Stainless Steel
Jamb Material: Hairline Stainless Steel

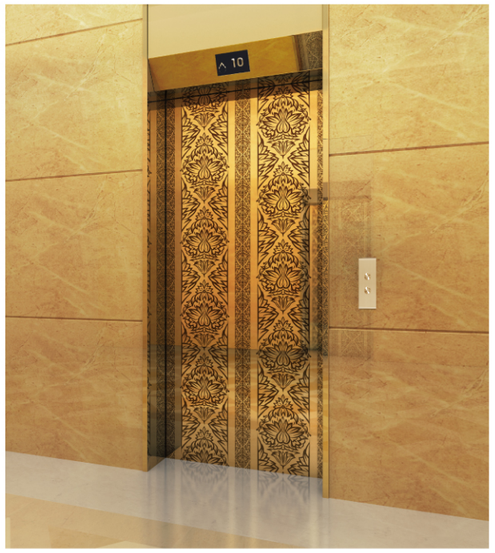
E-302 Bevel (10°) Wide Door Jamb

Landing Display Call: ZPIA12-GB13
Landing Door Material: Hairline Stainless Steel
Jamb Material: Hairline Stainless Steel

E-312 Bevel (10°) Wide Door Jamb with Transompanel

Landing Display Call: ZPIA11-GB13
Landing Door Material: Hairline Stainless Steel
Jamb Material: Hairline Stainless Steel

E-322 Bevel (10°) Wide Door Jamb with Slant Transompanel



Landing LCD：ZPIH-N301
Landing Call: ZHBA11-G010
Landing Door *1 ： ZPN-010
Jamb Material: Mirror Titanium-coated Stainless Steel

The picture is a schematic rendering. The size and appearance may vary according to actual specification and configurations.

Hall Design

Landing Display

ZPI■-GD10
Wall-mounted
Without Bottom Box
Orange Segment Code
The buttons are exchangeable.
The figure shownis A12 button.

ZPI■-CD12
Embedded
With a bottom box
Gold Segment Code
The buttons are exchangeable.
The figure shownis A11 button.

ZPI■-GB13
4.3" Color segmented LCD
Black text on a colored background
The buttons are exchangeable.
The figure shownis A11 button.

ZPI■-GA13
4.3" TFT LCD
black gold interface
The buttons are exchangeable.
The figure shownis A11 button.

ZPIE07-GF10/GF20
Touch Screen Hall Call
Titanium-plated aluminum alloy middle frame
7-inch high-resolution highlight screen
15° inclination, which is more ergonomic

ZPI■-GD20
Wall-mounted
Without Bottom Box

ZPI■-CD22
Embedded
With a bottom box

ZPI■-GB23

ZPI■-GA23

Landing Call

ZHBE08-G012

ZHB■-G010
(Single Elevator)
ZHB■-G020
(Parallel Connection)

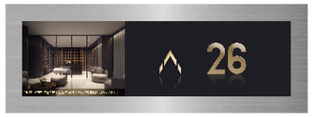
Comply with
GB/ T24477 Standard

ZHB■-H030
(Single Elevator)

ZHB■-H041
(Parallel Connection)

Note:
1、The symbol ■ refers to the button model. Please select it from the "Diversified button" page.
2、Hairline-finish and mirror-finish stainless steel are available for the faceplate of the call buttons of the hall position indicator. Non-standard confirmation is required for titanium plated stainless steel.
3、ZHB■-H030/040/041 complies with GB/T24477, and A14/A15/C14/C15 buttons are available. Technical confirmation is required to determine whether the complete elevator meets the standard.

Landing Display

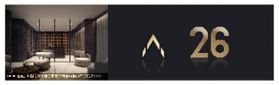


ZPIH-CE01
28.6" TFT LCD, black gold interface (EMIDS)
Resolution: 1920×540, Embedded, nstalled on the wall

ZPIH-C301
8.4" TFT EMIDS with black gold interface
Embedded, nstalled on the wall

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

ZPIH-C804
15" EMIDS, embedded,
installed above the hall call buttons



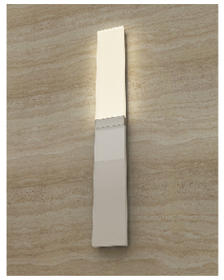
ZPIH-NE01
28.6" TFT LCD, black gold interface (EMIDS)
Resolution: 1920×540, Embedded
Applicable when the Jamb model is E-312

ZPIH-N301
8.4" TFT EMIDS with black gold interface
Embedded
Applicable when the Jamb model is E-312

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

Landing Direction Light

ZHLV-H021
With a bottom box



ZHLV-H040
Without Bottom Box

ZHLV-E131
Without Bottom Box

ZHLV-B140
Without Bottom Box

ZHLV-H050
Without Bottom Box

ZHLV-B040
Without Bottom Box

ZHLV-R050
With a bottom box

ZHLH-R080
With a bottom box

Note:
1、All direction lights adopt LED light sources; two light colors are available: warm white 3000~3300k and white 6500~7200k.
2、When ZHLV-E131, ZHLV-B140, ZHLV-B040, ZHLV-R080 and AECH are configured concurrently, it complies with the standard GB/T24477.

The picture is a schematic rendering. The size and appearance may vary according to actual specification and configurations.

Features

Control and Security Features

●:Standard, ○:Optional

Feature	Description	Code	1C-2BC	2C-SM21	2C-4C-ITS-21	3-8C-ITS-2100
Automatic Landing with Rheostatic Leveling	When the car parks at a station, if the vertical difference between the upper plane of the car sill and that of the landing door sill exceeds predetermined value, the elevator will level automatically.	ARL	●	●	●	●
Anti-stall Timer	When the traction rope slips or motor stall reaches predetermined time, the elevator will stop.	AST	●	●	●	●
Balance Coefficient Detect (Auto)	In auto mode, after a certain period of time, when entering the sleep mode the elevator keeps all brakes in releasing state and maintains zero speed, during which the motor current is measured to calculate the balance coefficient. The elevator will be stopped if the calculated balance coefficient deviates considerably.	BCST	●	●	●	●
Braking Noise Control	Accurately control the speed when the brake holds to greatly reduce the braking noise and improve ride comfort.	BNRC	●	●	●	●
Brake Redundancy Protection	When a group of brakes fails, the remaining brakes still can realize effective braking of the elevator.	BTUP	●	●	●	●
Car Slide Safety Protection	When the car slides due to insufficient braking force, short the three-phase winding of PM traction machine in normal power supply state to reduce the speed the car slides.	CSSP	●	●	●	●
Door Interlock Bypass Operation	Bypass the hall door or car door circuit via the door interlock bypass device to facilitate the maintenance of hall door contact, car door contact and door interlock contact.	DBO	●	●	●	●
Double-Side Static Torque Detect (Manual)	When entering Double-Side Static Torque Detect (Manual) mode via manual operation, the elevator keeps all brakes in holding state and applies a torsional torque onto the PM traction machine to check the static torque.	DBSD-M	●	●	●	●
Door Interlock Short Safety Protection	In auto mode, if the door interlock switch is detected shorted, the elevator will stop to protect passengers.	DSSP	●	●	●	●
Energy Feedback	Feed energy generated during operation back to the grid to save energy.	EFDBK	○	○	○	○
Electrical Safe Loop Protection	Prevent the elevator from operating once the electrical safety devices connected together in series act.	ESC	●	●	●	●
Emergency Terminal Stopper	When reduced stroke buffer is used, the normal slowdown of the driving host before the car arrives at both end stations is monitored, and the elevator will stop urgently when it exceeds the specified value.	ETS	◇	◇	◇	◇
Inspection Operation	Inspection operation mode for maintenance staff.	INSP	●	●	●	●
Landing Open	When a car lands at a hall, the car will start its doors opening after the car prepares for landing.	LO	○	○	○	○
Load Weighing Start	The elevator adjusts startup torque according to the car load so as to allow smooth start.	LWS	●	●	●	●
Over-current Protection	Stop elevator when the current through the rectifier or inverter is detected too high.	OCP	●	●	●	●
Over-speed Protection	Stop elevator when the running speed is detected over allowable value.	OSP	●	●	●	●
Over-Temperature Protection	Stop elevator when over temperature of motor is detected.	OTP	●	●	●	●
Over-voltage Protection	Stop elevator when the voltage across the rectifier or inverter is detected too high.	OVP	●	●	●	●
Power Failure Protection	Stop elevator when open-phase, undervoltage or other faults of power occurs.	PFP	●	●	●	●
Power-on Releveling	If the car stops in the range of door area due to power failure, it will relevel to the leveling position after the power is recovered.	PORL	●	●	●	●
Reversal protection	Stop elevator when it is detected running in reversed direction.	RSP	●	●	●	●
Single-Side Static Torque Detect (Manual)	Enter the Single-Side Static Torque Detect (Manual) mode manually. The elevator releases one brake and keeps other brakes in holding state to check whether the static torque meets the requirements.	SBSD-M	●	●	●	●
Single-Side Static Torque Detect (Power-on)	In auto mode, when the elevator is powered on in case of power outage or after the control PCB is reset, the elevator keeps one brake released and others in holding state to check whether the single-side static torque meets the requirement.	SBSD-O	●	●	●	●
Single-Side Static Torque Detect (Periodic)	In auto mode, after a certain period of time, when the elevator enters the sleep mode, the elevator keeps one brake released and others in holding state to check whether the single-side static torque meets the requirement.	SBSD-P	●	●	●	●
Safe Landing	If a car has stopped between floors for some reason, the controller checks the cause, and if it is considered safe to move the car, the car will move to the nearest floor and doors will open.	SFL	●	●	●	●
Stop Open	The car doors open automatically after the car stops at a floor.	SO	●	●	●	●
Inverter High-temperature Detect	Stop elevator when inverter high-temperature is detected.	THMF	●	●	●	●
Terminal Forced Decelerate	If the car runs to the terminal but the speed has not been reduced to specified value, the system will force it to decelerate and thus enable it to level normally.	TSD	●	●	●	●
Unintended Car Movement Protection	Elevator safety component to stop unintended car movement away from the landing with the landing door not in the locked position and the car door not in the closed position, as a result of any single failure of the lift machine or drive control system.	UCMP	●	●	●	●
Under speed Protection	Stop elevator when the running speed is detected under allowable value.	USP	●	●	●	●

Operational and Service Features

●:Standard, ○:Optional, ◇: Non-standard design required, —:Not applicable

Feature	Description	Code	1C-2BC	2C-SM21	2C-4C-ITS-21	3-8C-ITS-2100
Automatic Bypass	When the car load exceeds 80% (adjustable) rated capacity, the elevator does not response hall calls from other floors along its travel.	ABP *1	○	○	○	○
Attendant Service	Normal operation of the elevator is conducted by an attendant	AS *1	○	○	○	○
Bypass	Bypass all hall calls when the attedant serves and activates the 'Bypass' button.	BP *2	○	○	○	○
Car Computer Back Up Operation	When an abnormity occurs on the car computer, the car stops at nearest floor and the elevator cannot restart.	CCBK	●	●	●	●
Car Call Cancelling	In automatic operation, when a car has responded to the final car call or landing call in one direction, the system automatically checks and clears remaining car calls from the memory.	CCC	●	●	●	●
Car Call Priority (Timed Control)	To provide comfortable ride service for passengers at a particular period (e.g. from late night to early morning), hall calls will not be served until car calls are served.	CCPS-T *3	◇	◇	◇	◇
Car Fan Shut Off - Automatic	If there are no calls for a specified period, the car ventilation fan will automatically be turned off to conserve energy.	CFO-A	○	○	○	○
Car Fan Shut Off - Manual (button type)	The car ventilation fan is turned off by combination buttons on the operation panel.	CFO-B *4*5	●	●	●	●
Car Light Shut Off - Automatic	If there are no calls for a specified period, the car light will automatically be turned off to conserve energy.	CLO-A	○	○	○	○
Car Light Shut Off - Manual(button type)	The car light is turned off by combination buttons on the operation panel.	CLO-B *4*5	●	●	●	●
Continuity of Service	To ensure normal operation of elevators in a whole group, when a certain elevator cannot respond registered landing calls, it will be excluded from landing call service, and service is provided by other elevators.	COS	—	●	●	●
Calm Passengers	Calm passengers trapped in the car through voice or video.	CPTC	●	●	●	●
Elevator Dedicated Air Conditioning	Air conditioning for elevator car.	EAC	○	○	○	○
Self-diagnosis	Diagnose abnormities and faults occurred during elevator operation.	EFD	●	●	●	●
Elevator APP remote control operation	Electrical components of the car and some functional settings originally completed by switches in the bi-parting door, such as (lighting/fan/air conditioner, CLO/CFO/IND/AS/SCS-IC/SCS-BT/NS-CB/SCS-B, etc.) can be set via mobile phone APPs.	EVAC *6	●	●	●	●

Operational and Service Features

●:Standard, ○:Optional, ◇: Non-standard design required, —:Not applicable

Feature	Description	Code	1C-2BC	2C-SM21	2C-4C-ITS-21	3-8C-ITS-2100
Exit Switch	Switch for detecting state of exit.	EXIT SW *7	○	○	○	○
False Call Cancelling - Automatic	If the number of registered calls is not agree with the number of passengers, it will cancel all calls to avoid unnecessary stops.	FCC-A *1*8	○	○	○	○
False Call Cancelling - Manual (car button type)	If the wrong car button is pressed, it can be canceled by quickly pressing the same button again twice.	FCC-P *4	●	●	●	●
Hall Call Erase - Manual (hall button type)	If the wrong hall calling button is pressed, it can be canceled by quickly pressing the same button again twice.	FHC-P *1*9	○	—	○	○
Automatic Hall Call Registration	When one elevator cannot take all passengers, the landing button remains registered state, and the system will assign another elevator to provide service.	FSAT *1	●	●	●	●
Group Control Backup Service	Maintain service of individual elevators when group control becomes invalid due to failure of the group control controller or failure of communication between the group control and individual stations.	GCBK	—	—	●	●
Hall Computer Back UP Operation	When an abnormity occurs on the hall computer, the car stops at nearest floor and the elevator cannot restart.	HCBK	●	●	●	●
Wheelchair Operation	A mode applicable to wheelchair users designed to slow down door opening and extend door opening.	HCL	○	○	○	○
Hospital Emergency - Block Sign	By pressing the Door Open button and the DKO-TB button simultaneously, the elevator will respond only to the car call.	HE-B *1*5*10	○	○	○	○
Hall Out-of-service Operation	Turn on or shut off the elevator by operating the "RUN/STOP" switch installed on specified floor.	HOS	●	●	●	●
Hall Out-of-Service Switch(Timer)	RUN/STOP operation of an elevator can be controlled by using a timer installed in the specified elevator hall.	HOS-T *3	◇	◇	◇	◇
Call linkage	It realizes remote registration of elevator hall calls through linkage control with a third party building access control system or resident's indoor intercom.	ICS-AHR	◇	◇	◇	◇
Elevator identification through mobile phone (with permission control)	The car or hall automatically registers or releases the access permission of the relevant floor upon phone blue tooth identification.	ICS-BT	◇	◇	◇	◇
Take elevator by dynamic QR code identification	The car or hall can automatically register or release the access permission of the relevant floor upon dynamic QR code identification. QR codes are generated by Mitsubishi APP.	ICS-DQR	◇	◇	◇	◇
Take elevator by fingerprint identification	The car automatically registers or releases the access permission of the floor upon fingerprint identification.	ICS-F	◇	◇	◇	◇
Access control four -in-one identification	At the entrance of the building, owners are supported to verify their identities through IC cards, fingerprints, QR codes and human faces to release access control, automatically register or permit access to relevant floors.	ICS-G	◇	◇	◇	◇
Take elevator by scan an IC card	When an IC card is scanned in the car or hall, the elevator automatically registers or releases the access of the relevant floor.	ICS-IC	○	○	○	○
Take elevator by scan an ID card	When an ID card is scanned in the car or hall, the elevator automatically registers or releases the access of the relevant floor.	ICS-ID	◇	◇	◇	◇
Take elevator by face identification	The car or hall automatically registers or releases the access of the relevant floor upon face identification.	ICS-P	◇	◇	◇	◇
Indoor building intercom and access release	On the basis of the four-in-one access control identification terminal, visitors are supported to call the owners at home at the entrance of the building, the owners release the access control for visitors, and the system automatically registers or releases the access permission for relevant floors.	ICS-R	◇	◇	◇	◇
Elevator identification through mobile phone (without permission control)	It registers the elevator via mobile phone Bluetooth in the car or hall to realize non-contact elevator riding without floor permission control.	ICS-UBT	◇	◇	◇	◇
Independent Service	Using the Independent switch in the operation panel, the car can respond only to car calls without interrupting service.	IND	●	●	●	●
Intelligent voice interaction system	It provides intelligent voice interaction, including voice operation and elevator voice announcement, etc.	IVS	◇	◇	◇	◇
Car voice call	It registers floor(s) through voice in the car.	IVS-CR	◇	◇	◇	◇
Hall voice call	It registers hall call(s) through voice at halls.	IVS-HC	◇	◇	◇	◇
Hall voice registration of destination floor	It registers destination floor(s) through voice at halls.	IVS-HR	◇	◇	◇	◇
Non-service to Specific Floor (car button type)	Cancel service to specific floor by operating buttons on the operation panel and the setting switch.	NS-CB *11	○	○	○	○
Non-service to Specific Floor (switch type)	Operating this switch can cancel service to specified floors.	NS *12	◇	◇	◇	◇
Not Start Operation	When landing call or car call is registered but the car cannot start within predetermined time, it will clear the assigned landing call, reserve the car call, light up the Abnormal lamp, and sound the Abnormal bell.	NST	●	●	●	●
Non-Service to Specific Floor -Timer Type	Elevator service for a specified floor is temporarily suspended during a specified period.	NS-T *3*11	◇	◇	◇	◇
Next Landing	After the car has arrived at the destination floor, if the car doors cannot open fully, it will close the doors and continue to run to the next floor until the doors can open fully and then restore normal operation.	NXL	●	●	●	●
Overload Holding Stop	When the car is overloaded, the doors remain open and a buzzer sounds.	OLH	●	●	●	●
Ride with Pet	When the Pet in Car button is pressed, the hall pet indicator will be lit to remind passengers that a pet is in the car.	PRO	○	○	○	○
Remote Control Stop	Start or stop the car through the remote control switch.	RCS *13	○	○	○	○
Return Operation (Normal Return)	Operating Return switch to immediate call the car back to specified floor and park there.	RET1 *13	○	○	○	○
Return Operation(Emergency Return)	When the return switch is operated, the elevator will immediately return to the specified floor and stand by with doors open.	RET2 *13	○	○	○	○
Secret Call Service (car button type)	Lock certain floors on the operation panel by setting password. The buttons of these specified floors can only be registered after the password is entered on the operation panel.	SCS-B *4*14	○	○	○	○
Secret Call Service (IC card type)	The buttons of certain specified floors can only be registered via IC card.	SCS-IC *15	○	○	○	○

Note: *1 If DOAS is configured, ABP, AS, FCC-A, FCC-P, FHC-P, FAST, and HE-B cannot be configured at the same time.
*2 Standard feature if AS is available.
*3 Periods of time must be indicated on the non-standard configuration countersign form.
*4 This feature cannot be configured with 10-key operating panel.
*5 Operated by a combination of buttons.
*6 Physical door switch (e.g. Independent Operation) cannot be selected with App functions at the same time.
*7 With hoistway safety door
*8 Optional in the case where the number of landing stations is equal or more than 6
*9 AIL cannot be configured at the same time.
*10 This feature must be configured with DKO-TB.
*11 When there are more than two cars in parallel or in group control, their non-service floors must be the same. NS switch is installed in the operating panel of the main elevator by default, and the name of NS landing floors must be indicated in the non-standard configuration countersign form.
*12 No need to specify the set floor of the NS switch.
*13 Can be controlled through SmartEye, or the user should provide passive dry contacts. The boundary with the user is located in the control panel in the machine room, wherein interfaces are reserved.
*14 SCS-IC, ICS cannot be configured at the same time.
*15 See DigTel-II Elevator Data Transfer System Specifications (LEHY-Pro (NV5X1)-PS1) for details.

Features

Emergency Operation Features

●:Standard, ○:Optional, ◇: Non-standard design required, —:Not applicable

Feature	Description	Code	1C-2BC	2C-SM21	2C-4C-ITS-21	3-8C-ITS-2100
Docking Rescue Operation	When an elevator installed in a shared hoistway stops in the fast-speed zone due to some faults, another elevator will be allocated for rescue.	ADK *1	-	-	○	○
Ceramic friction lining safety gear	Ceramic safety gears can meet the requirements of retaining guide rails in modified elevators and provide safety protection for them.	CERA	◇	◇	◇	◇
Emergency Car Lighting	When normal lighting power supply fails, emergency car lighting is provided.	ECL	●	●	●	●
Emergency Electric Operation	Some electrical safety devices are bypassed through the Emergency Electric Operation device to control the operation of the car.	EEO	●	●	●	●
Earthquake Emergency Return (S-wave)	When S-wave earthquake detector acts, the car immediately parks at the nearest floor with door opened.	EER-S	○	○	○	○
Power Failure Emergency Landing Device	When normal power supply breaks, this device will supply power to move the car to the nearest floor, level and open the doors, and allow the passengers to leave safely.	ELD *2	○	○	○	○
Alarm Bell	Press this alarm bell in emergency. The bell and interphone will sound.	EMB	●	●	●	●
Fireman's Emergency Operation	When a fire happens, fireman switch actions, a car returns to the predetermined evacuation floor, then door opens canceling all calls from landings or car, the car is available for fireman's use.	FE *3*4*5	○	○	○	○
Fire Emergency Return	When the Fire Emergency Return switch acts, all landing calls and car calls are cancelled, and the car immediately returns to predetermined floor and parks with door opened.	FER *3	○	○	○	○
Operation by Emergency Power Source – Sole Automatic	When normal power supply breaks, the pre-assigned cars will be powered by the emergency power source of the building and automatically travel to the predetermined floors in order. Once all cars have arrived at the predetermined floors, the specified car can operate normally.	OEPS-SA *6	○	○	○	○
Remote Service System	Monitor elevator operation in real time, send faults or abnormities to the Service Center of the company via wireless network in a timely manner, and process them quickly. Provide customers with value-added services by establishing customized maintenance program.	REMES-II *7	○	○	○	○
Elevator Monitoring System	This system uses computers to monitor the operation and position of the elevator and provides operation instructions when necessary.	SmartEye *8	○	○	○	○

Note: *1 RET2 Emergency Return feature must be available.
*2 Applicable when the maximum distance between two adjacent landings is no more than 20 m.
*3 It is considered that the elevator be able to run from the top terminal landing to the FE or FER return floor in 60 seconds. The time is estimated as: Distance from the top terminal floor to FE or FER return floor/Rated speed + 9 seconds.
*4 Elevators with FE feature are not equal to elevators meeting the requirements of fire elevator standard (GB/T 26465). Since fire elevators compliant with this standard have special requirements for environment, building structure, power supply, water resistance, etc. Please contact our sales department if you want to order one.
*5 If this feature is available, 10-key operating panel cannot be configured.
*6 Users should provide normally-open dry contact signals of normal and emergency power source. These signals should be provided to the control panel in the machine room by the users.
*7 A maintenance contract needs to be signed with Shanghai Mitsubishi Elevator Co., Ltd. Currently not available for overseas market.
*8 Sign SmartEye contract with Shanghai Mitsubishi.

Information and Display Features

●:Standard, ○:Optional, ◇: Non-standard design required, —:Not applicable

Feature	Description	Code	1C-2BC	2C-SM21	2C-4C-ITS-21	3-8C-ITS-2100
Voice Announce Device	Voice announce device (Chinese) informs the passengers of related elevator information.	AAN-S01 *1	○	○	○	○
Voice Announce Device	Voice announce device (Chinese and English in turn) informs the passengers of related elevator information.	AAN-S02 *1	○	○	○	○
Voice Announce Device	Voice announce device (English) informs the passengers of related elevator information.	AAN-S03* 1	○	○	○	○
Articulating Car Button	When an instruction button in the car is pressed, a prompt tone will sound after receiving the response from the system.	ACB	◇	◇	◇	◇
Car Arrival Chime (Car)	The chime prompts the passengers the car has arrived at the destination floor. (The chime is installed on the car roof and floor)	AECC *2	○	○	○	○
Car Arrival Chime (Hall)	The chime prompts the passengers the car has arrived at the destination floor. (The chime is installed on the hall)	AECH *2	○	○	○	○
Articulating Hall Call	When the hall call button is pressed, a prompt tone will sound after receiving the response from the system.	AHC	◇	◇	◇	◇
Immediate Prediction Function	When a passenger registers a hall call, the optimum car to respond is immediately selected and announced to the passengers via hall lantern illumination and a single tone chime.	AIL *3*4	-	-	○	○
Immediate Prediction Broadcast	Once a passenger registers a floor call, the most appropriate elevator will be selected for this call, and inform the passenger via visual/acoustic signal.	ASL *5	○	○	○	○
Automatic Operation Signal Light (Hall)	The landing indicator displays the elevator is in automatic operation state.	AUTL*5	○	○	○	○
Signal Interface Device	Outputs basic operation state signal of the elevator via this device	BA *6	○	○	○	○
Bypass Signal Light (Hall)	The landing indicator displays the elevator is in "Bypass operation" state.	BPL *5	○	○	○	○
Direction Arrows in Car	Indicates running direction with arrows in the car.	DAC	●	●	●	●
Direction Arrows on Hall	Indicates running direction with arrows on the hall.	DAH	●	●	●	●
Door-Close Button Response Light	The Door-Close button light illuminates at the same time when this button is pressed.	DCR	●	●	●	●
Extended Door-Open Button Light	When the Extended Door-Open button is pressed, the indicator light illuminates for certain period.	DKOL *7	○	○	○	○
Door-Open Button Response Light	The Door-Open button light illuminates at the same time when this button is pressed.	DOL	●	●	●	●
Elevator Counter/Timer	Record number of runs and running time of the elevator.	ECT	●	●	●	●
Multimedia Display in Car	Can provide audio/video or other information for the passengers (installed in the car).	EMIDS-C *8	◇	◇	◇	◇
Multimedia Display on Hall	Can provide audio/video or other information for the passengers (installed on the hall).	EMIDS-H *8*9	◇	◇	◇	◇
Exclusive Service Indication	Display that the elevator is in exclusive service state.	EXCL *5*10	○	○	○	○
Fireman's Emergency Operation – Complete	The fireman's emergency operation is activated,the elevator runs to specified return floor, then the elevator outputs an in-place indicating signal.	FE-CP *11	○	○	○	○
FE Operation Signal Lamp in Car	When the elevator gets into FE operation status, the signal lamp in the car will indicate the status.	FELC *12	○	○	○	○
FE Operation Signal Lamp on Hall	When the elevator gets into FE operation status, the signal lamp at hall will indicate the status.	FELH *12	◇	◇	◇	◇
Fire Emergency Return – Completed	A CP signal is outputted after the FER running is completed.	FER-CP *13	○	○	○	○
FER Operation Signal Lamp in Car	When the elevator gets into FER operation status, the signal lamp in the car will indicate the status.	FERC *14	○	○	○	○
Flashing Hall Button Light	When the elevator stops at a landing and starts to open the doors, the Hall Call Button light of the same direction flashes to remind passengers that the car has arrived; when the doors are closed fully, the button light goes off.	FHBL	●	●	●	●
Flashing Hall Lantern	Flashing lantern indicates arrival of car and its running direction.	FHL *15	○	○	○	●
Energy-saving function for hall position indicator	The hall position indicator will display information with low brightness when there is no call, and with normal brightness when the call button of the floor is activated, thus saving energy and extending service life.	HIES	○	○	○	○
Inspection Operation Indication	Hall indicator will display the elevator is in inspection mode.	INSPL *5	○	○	○	○
Interphone	In emergency, persons in car, on car top, or in pit can use this device to communicate with persons in machine room or monitoring room.	ITP *16	●	●	●	●

Information and Display Features

●:Standard, ○:Optional, ◇: Non-standard design required, —:Not applicable

Feature	Description	Code	1C-2BC	2C-SM21	2C-4C-ITS-21	3-8C-ITS-2100
ITV Cable(analog)	The cable used for video camera(analog) installed in the car for user to monitor the real image in the supervisory room.	ITV-A*17	○	○	○	○
ITV Cable(digital)	The cable used for video camera(digital) installed in the car for user to monitor the real image in the supervisory room.	ITV-D*17	○	○	○	○
ITV Cable(for SMOS)	The cable used for video camera equipped with SMOS system.	ITV-S*17	○	○	○	○
Operation by Emergency Power Source – Completed	A CP signal is outputted after the operation by emergency power source is completed.	OEPS-CP *18	○	◇	○	○
Overload Indication in Car	When the elevator is overloaded, the overload indicator lamp illuminates.	OLHL *10	○	○	○	○
Pet Reminder	The hall position indicator shows that a pet is in the car.	PETL *5*19	○	○	○	○
Remote Alarm Filtering Signal	This signal is sent to the alarm system to filter improper alarms according to the Remote Elevator Alarm System.	RALM *20	●	●	●	●
Out-of-Service Indication	Indicate the elevator is out of service on the hall.	RESL*5	○	○	○	○
Second Car Prediction	If a single elevator is not able to service all passengers on a crowded floor, another hall lantern will flicker to indicate the second car that will service that floor	TCP *4	-	-	-	○

Note: *1 Only one of AAN-S01/S02/S03 can be selected at most.
*2 Only one of AECC and AECH can be selected.
*3 Used together with hall lanterns; floor position indicator is not optional.
*4 If DOAS is configured, AIL and TCPcannot be configured at the same time.
*5 The hall position indicator can display icons including AUTO (auto), BPL (full load), EXCL (exclusive), INSPL (inspection), and ASL (attendant), as shown in Table 6.2.1-3. ASL is optional when AS is configured; BPL is standard when ABP or BP is configured; EXCL is standard when HE-B (hospital bed) is configured and optional when VIP-S is configured.
*6 Output signals are UP, DOWN, integrated fault, landing station code signals. The output signal terminals are in the control cabinet in the machine room. Output modes are dry contact and RS485 series communication.
*7 Standard when DKO-TB is provided.
*8 See EMIDS Product Specifications (LEHY-PS2). When the operating panel is equipped with EMIDS, EMIDS-C, or EMIDS-H, customers need to establish the Ethernet network from the monitoring room to the control panel in the machine room for EMIDS to publish information.
*9 See EMIDS Product Specifications (LEHY-PS2) for details. If EMIDS-H is required, indicate relevant information on the non-standard configuration countersign form: LCD dimensions, mounting position, and embedded or wall-mounted.Default configuration: full-screen interface, hairline-finish stainless steel panel (embedded) or black acrylic panel (wall-mounted); mounted at the main service floor.
*10 The car position indicator can display icons including OLHL (overload), FELC (fire operation), and EXCL (exclusive), as shown in Table 6.1.2-4. FELC is optional for fire elevators; EXCL is standard when HE-B is configured and optional when VIP-S is configured. OLHL is standard for GB7588.1/.2.
*11 Standard when FE is provided. The boundary with the user is located in the control panel in the machine room. Connections must be reserved for this function in the control panel.
*12 Optional when FE is provided. Non-standard configuration is required for icon masks.
*13 Standard when FER is provided. The boundary with the user is located in the control panel in the machine room, wherein interfaces are reserved.
*14 Optional when FE is provided.
*15 It must be configured with the hall lantern at the same time.
*16 The customer is responsible for the cables from the machine room to the monitoring room and their installation. See DigTel-II Elevator Data Transfer System Specifications (LEHY-Pro (NV5X1)-PS1) for details.
*17 Select ITV-A, ITV-D or ITV-S. When ITV is configured, confirm with the customer about who is responsible for cabling.
ITV-A: The customer is responsible for coaxial cables at the control panel side of the machine room from the monitoring room. The car and the machine room have interfaces of coaxial cables to connect analog video devices.
ITV-D: The customer is responsible for the Ethernet at the control panel side of the machine room from the monitoring room. The car and the machine room reserve Ethernet ports to connect digital video devices.
IVTS: Confirm the camera is analog or digital in SmartEye contract.
If not included in the above specifications, specify it on the non-standard confirmatio.
*18 Optional when OEPS-SA is provided.
*19 Standard when PRO is provided. RESL cannot be configured at the same time.
*20 This signal is sent to the alarm system to filter improper alarms according to the Remote Elevator Alarm System.

Door Operating Features

●:Standard, ○:Optional, —:Not applicable

Feature	Description	Code	1C-2BC	2C-SM21	2C-4C-ITS-21	3-8C-ITS-2100
Light Curtain Protection	Light curtain protection with multiple light beam.	AMS *1	○	○	○	○
Door Close Limit Switch on Start	When the car doors can not close completely, they will reverse and open.	CLTS	●	●	●	●
User-friendly car door	Monitor the zone near the car door with sensors and slow down the door opening speed after detecting the hands or small items of passengers near the car door, so as to prevent the hands or items from getting caught.	CREQ	○	○	○	○
Double Door Operation	When car doors are in open state, if there is no car call and landing call in forward direction and the landing call in reverse direction of this floor has been registered, the car doors will close and then immediately open again.	DDOP	●	●	●	●
Extended Door-open Button	When the Door Open button is pressed for three seconds, the doors will remain open longer.	DKO-T	○	○	○	○
Extended Door-open Button	Press and hold this button can extend door-open time.	DKO-TB	○	○	○	○
Door Load Detect	If the car doors cannot fully open or close due to overload, the doors will act in reverse direction.	DLD	●	●	●	●
Not Door Open Feature	If car doors are blocked while opening, they will close immediately.	DONG	●	●	●	●
Automatic Door-open Time Adjustment	Automatically adjust door-open time according to landing calls or car calls.	DOT	●	●	●	●
Automatic Door Speed Control	Automatically adjust the speed pattern of door operation according to door weight.	DSAC	●	●	●	●
Door Close Torque Up Control	When car doors encounter extra resistance while closing, the door system will automatically increase the torque.After the car has stopped at a station and the doors has opened, pressing Close button can make the doors to close immediately.	DTC	●	●	●	●
Expediting of Door Close	By pressing the Door Close button, the Door Closing Operation is immediately activated, and thus the traffic efficiency is improved.	EDC	●	●	●	●
Electronic Door Man	It monitors passengers' access to the car via infrared rays, and minimizes the DKO time.	EDM	○	○	○	○
Multi-beam Safety Edge	Safety edge with multi-beam. Provide double protection by multi-beam and safety edge. During door closing, when a passenger or object is detected, the doors will open again.	MBS *1	○	○	○	○
Door Nudging Feature – with buzzer	If the door-open time exceeds the predetermined value, it will give alarm sound to alert the passenger and try to close the doors.	NDG	○	○	○	○
Repeated Door-Close	If car doors are blocked while closing, the elevator will repeat the closing action until the debris is removed.	RDC	●	●	●	●
Reopen with Hall Button	During door closing, when hall calling button in the same direction is pressed, the doors will reopen.	ROHB	●	●	●	●

Note: *1 AMS, MBS must choose one. AMS must be used for glass car doors.

Features

Group Control Features

●:Standard, ○:Optional, ◇: Non-standard design required, —:Not applicable

Feature	Description	Code	1C-2BC	2C-SM21	2C-4C-ITS-21	3-8C-ITS-2100
Bank Separation Operation	Separate landing buttons into several groups and provide independent group control, and each group has its own hall calling button.	BSO *1*2	—	—	◇	◇
Battery Trouble Operation	Under the group control mode, during peak periods, it controls the number of cars allocated or parked to the crowded floors according to the traffic in the building.	CAT	—	—	—	●
Congested-Floor Service	When temporary congestion occurs due to meeting or other events, the system will try its best to arrange cars to the congested floor.	CFS *3	—	—	○	○
Closest Car Priority Service	In respond to a hall call, priority is given to the car closet to the hall button pressed.	CNPS *4	—	—	◇	○
Destination Oriented Allocation System	When a passenger presses the button of the destination floor on the hall operating panel, DOAS will inform the passenger of the elevator allocated. By allocating elevators according to destination floors, DOAS can improve the transport efficiency.	DOAS *1	—	—	—	◇
Down Peak Service	During the predetermined off-hour, elevators are continuously sent o the top floor to meet the needs of off-hour peak traffic congestion.	DPS	—	—	○	○
Efficiency mode	Improve elevator operation efficiency through the combination of functions such as opening in advance, door movement optimization and electronic doorman.	EFMD	○	○	○	○
Energy-Saving Operation – Number of Car	With consideration of the traffic data and keeping elevator service at a predetermined level, when the level of elevator service becomes greater than the predetermined level, energy savings are attained through reducing the number of running cars.	ESO-N	—	—	○	○
Energy-saving Operation –Allocation Control	When there are new hall calls, the traveling distance of each car (including wait time and bypass rate) is evaluated for car allocation to reduce the overall traveling distance and eventually save energy.	ESO-W *4	—	—	—	○
Special Floor Forced Stop	Cars passing a certain floor are forced to stop at this floor.	FFS *5	○	○	○	○
Group Control Self-Diagnosis	If the group control system fails, the system will record the faults and provide them to the group control monitoring device.	GCS	—	—	●	●
Hall congestion monitoring system	The crowded degree of the hall is monitored by the number identification device installed at the hall, and the elevator is allocated in time and reasonably.	HCS	—	—	◇	◇
Intense Up Peak	In response to upward traffic congestion from the main floor which occurs at a specific time, a bank of car cars are divided into two groups to serve high zone and low zone floors.	IUP *1*6	—	—	—	◇
Lunch Time Service	Car assignment can be adjusted to favor canteen or restaurant floor to accommodate the high demand during lunch time.	LTS *7	—	—	○	○
Main Floor Parking	When there is no landing call or car call, the car returns to main floor and parks there.	MFP	○	○	○	○
Distinction of Traffic Flow with Neural Network	Up peak, down peak and lunch time are distinguished by Neural Network.	NN	—	—	—	●
Strategic Overall Assignment	For group control elevators, the cars park dispersedly at the main station and middle floor.	OHS	●	●	●	●
Prevention of Simultaneous Running	This feature prevents simultaneous running within rapid running region of elevators installed in the same well to boost noise in the car.	PRS	—	—	○	○
Peak Traffic Control	To alleviate temporary peak traffic, heavy traffic floors (top floor or main floor) will be given priority service.	PTC	—	—	●	●
Special Car Priority Service	When a hall call is registered, a previously specified car (e.g. observation car, alternative terminal floor car) is assigned as higher priority, provided efficiency of overall group control is not disturbed seriously.	SCPS *4*8	—	—	◇	○
Car Call Button with Service Floor Indicator	A particular car is given higher priority for service to a specified floor compared to the other floors without priority service.	SFPS *4*9	—	—	◇	○
Main Floor Changeover Operation	Main floor can be changed by pressing the Changeover switch.	TFS *1*10	◇	◇	◇	◇
Learning Function	The function analyzes the observed traffic data and forecasts traffic tendency to ensure the optimum group control operation	TLF	—	—	—	●
Light Load Car Priority Service	When the traffic is not crowded, allocation priority is given to vacant and lightly loaded cars (car with loads of less than 10%).	UCPS *4	—	—	◇	○
Up Peak Service	During the predetermined work hours when the up traffic from the main floor is specially heavy, elevators are continuously sent to the main floor meet the needs of up peak traffic.	UPS *1	—	—	○	○
Up Peak Service (Timed)	During office hours and when the up traffic from the main floor is heavy, elevators will be assigned to the main floor constantly to meet the up peak service requirements.	UPS-T	—	○	—	—
VIP Service	A specified car can be withdrawn from group service for special VIP service.	VIP-S *1*11	◇	◇	◇	◇

Note：*1 When DOAS is configured, these features cannot be configured, including: ABP, AS, FCC-A, FCC-P, FHC-P, FSAT, HE-B, AIL, TCP, BSO, IUP, UPS, VIP-S, TFS and DKO-T/TB.
*2 The classification of groups must be indicated on the non-standard configuration countersign form. The user should provide the group switch and SMEC should provide the connection for this switch in the control panel in the machine room.
*3 The name of congested landing must be indicated on the non-standard configuration countersign form.
*4 Floor position indicator cannot be configured at the same time.
*5 The force stop floor must be specified.
*6 The area range and car No. must be indicated on the non-standard configuration countersign form. It is applicable for five or more cars in a group control and when DOAS is not optional.
*7 The landing name of lunchtime service floor must be specified.
*8 The car No for priority service must be specified.
*9 Floor position indicator cannot be configured at the same time.
*10 The landing name of the second main landing must be indicated on the non-standard configuration countersign form. The user should provide the switch and SMEC should provide the connection for this switch in the control panel in the machine room. Can be controlled with SmartEye.
*11 VIP car N.,, VIP switch mounting floor and the name of VIP service floor must be indicated on the non-standard configuration countersign form. The floor where the VIP switch is installed is the VIP service floor by default, with two VIP switches installed at most and controlled by SmartEye.

Smart Functions

—:Not applicable

Feature	Description	Code	1C-2BC	2C-SM21	2C-4C-ITS-21	3-8C-ITS-2100
Intelligent robot interface	Provide a local data interface for robot riding.	IS-RB	◇	◇	◇	◇
Intelligent robot Cloud interface	Provide a Cloud data interface for robot riding.	IS-RC	◇	◇	◇	◇

Basic Specifications

Item	Specifications					Remark
Speed(m/s)	1.0	1.75	2.0	2.5	3.0	LEHY-Pro
Capacity(kg)	630	630				
	825	825	825	825	825	
	1050	1050	1050	1050	1050	
	1150	1150	1150	1150	1150	
	1200	1200	1200	1200	1200	
	1350	1350	1350	1350	1350	
	1600	1600	1600	1600	1600	
	1600	1600	1600	1600		LEHY-Pro/LEHY-ProB
	1800	1800	1800	1800		
	2025	2025	2025	2025		
	2250	2250				
	2500	2500				
Range of standard travel rise (m) *	3.4~55	7.3~90	9.1~120	13.3~140	15~150	LEHY-Pro Rated load capacity is 2250 kg and 2500 kg, and the maximum travel can reach 105 m at 1.75 m/s.
	3.4~55	7.3~90	9.1~120	13.3~120		LEHY-ProB
Max. number of stops (including NS floors)	54	54	54	54	54	LEHY-Pro
	18	32	32	32		LEHY-ProB
Start frequency (times/h))	120	150	150	150	180	LEHY-Pro
	120	180	180	180		LEHY-ProB
Drive mode	Traction					
Counterweight Position	Back or Side					
Roping	2 : 1					
Control Mode	VFJ-L(LEHY-Pro), VFH-L(LEHY-ProB)					
Operation Mode	1C-2BC, 2C-4C-SM21, 2C-4C-ITS-21, 3C-8C-ITS-2100					Confirmation for non-standard configuration is required when elevators of different rated speed are installed in parallel. SM21 is scaled to four cars. For 3C-8C-ITS-2100, confirmation is required for non-standard configuration of hall position indicator.
Min. Landing Height(mm)	2300~3200(LEHY-Pro), 2300~3000(LEHY-ProB)					
Door Opening Way	Two panel sliding, Center opening					
Door drive mode	VVVF (PM door operator)					
Door Opening Type	1D1G, 1D2G/2D2G					
Clear entrance height (mm)	standard: 2100～2600; non-standard: 2700 and 2800(LEHY-Pro) 2100～2400(LEHY-ProB)					
Dynamic Power	380V 50Hz 3 phases, 5 lines					
Lighting Power	220V 50Hz Single-phase					
Landing Display Range	Table A：-5~48, 1B, 2B, 3B, 4B, 5B, A, B, B1, B2, B3, B4, B5, B6, C, D, E, G, G1, G2, G3, GF, H, K, L, L1, L2, L3, LB, LG, M, M1, M2, M3, M4, M5, M6, MB, P, P0, P1, P2, P3, P4, P5, PB, PH, PL, PP, R, R1, R2, R3, S, S1, S2, S3, S4, S5, T, UB, UG					Segment LCDs are not fit to display three-digit floor information (for example, 12.1, 12.2, 22.1, 22.2, and 13F). The display range of hall position indicator of one elevator is listed in Table A or Table B. If it is listed in Table A and Table B (i.e. some in Table A and some in Table B), it is a non-standard configuration.
	Table B：-5~48, 1B, 2B, 3B, 4B, 5B, A, B, B1, B2, B3, B4, B5, B6, C, D, E, G, G1, G2, G3, GF, H, K, L, L1, L2, L3, LB, LG, M, M1, M2, M3, M4, M5, M6, MB, P, P0, P1, P2, 15A, 12.1, 12.2, 22.1, 22.2, 2A, 19A, 1A, 13F, 3F, F1, F2, 22A, RC, 4A, 15B, 13B, F, D1, D2, 1M, 2M, 3M, 3A, 5A, 12A, 12B, 13A, 23A, 16A, 16B, 17A					

Note：*If it exceeds the specifications listed in the sample, please contact Shanghai Mitsubishi Elevator Co., Ltd., and the details are subject to the contract signed by both parties.

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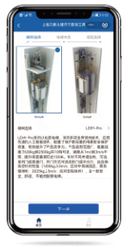
LEHY-Pro civil engineering dimensions:
Scan the QR code to perform the following:
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> Machine-room > Select "LEHY-Pro" for elevator type