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

www.smec-cn. com

Specifications subject to change without notice
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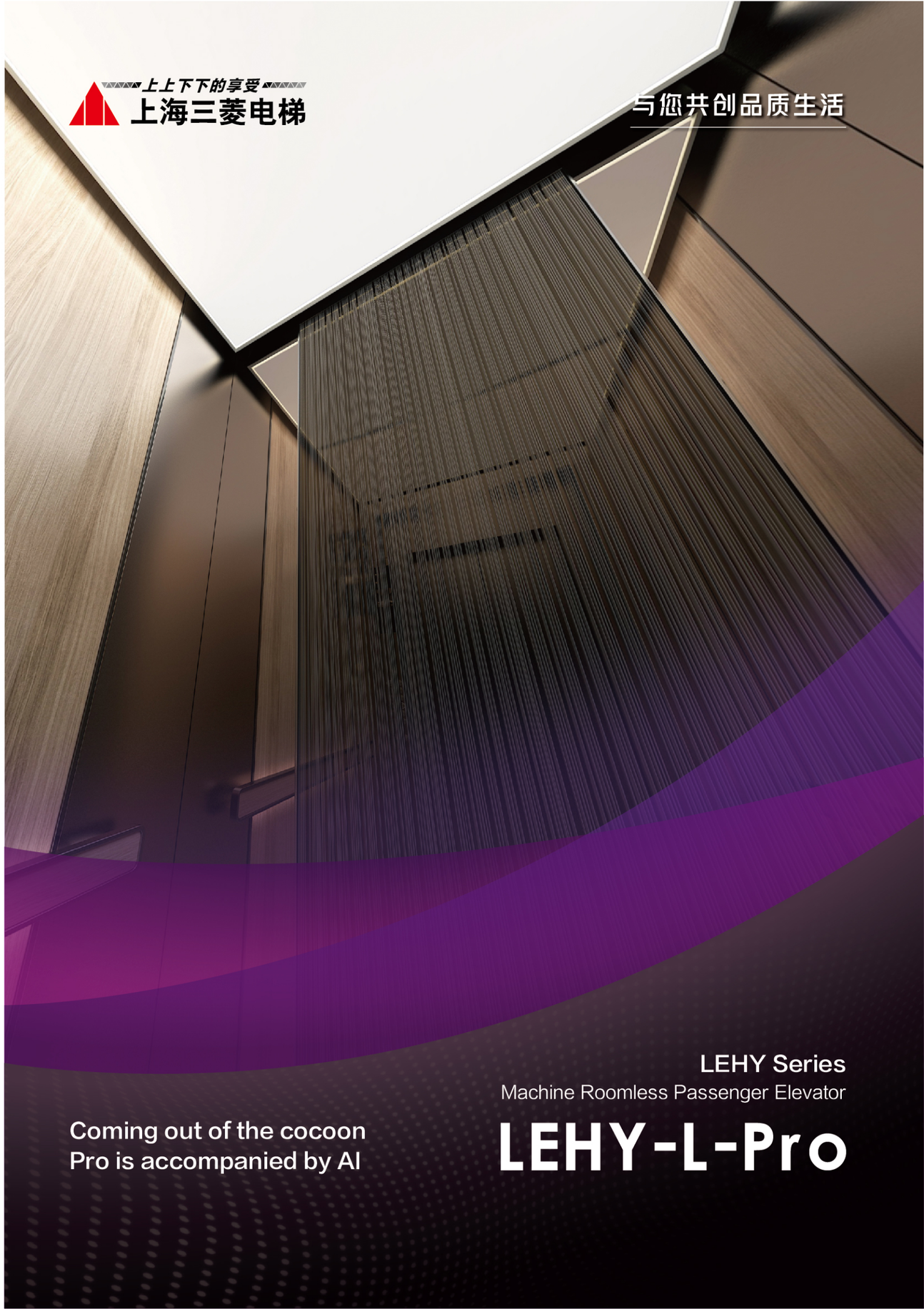


Coming out of the Cocoon Pro is Accompanied by AI

Outstanding Capability

Stronger comprehensive coping capability

Lower civil requirements for hoistway

▪

Consistent Quality

Higher quality safety factor

More comfortable, more energy-saving and more environmentally friendly

▪

Smart and Intimate

Elevator management of property company is more efficient

Passenger interaction on the elevator is smarter

LEHY-L-Pro

LEHY Series

Machine Roomless Passenger Elevator

上上下下的享受

十年质保 智享无忧

菱菱管家/用梯

This product can be included in the ten-year warranty service of SMEC

LEHY-L-Pro

Outstanding Capability

Strong Coping Capability of Specification

Large rated capacity: the max. capacity reaches **2500kg**

Fast rated speed: the max. speed is increased to **3m/s** (1050 ~ 1600kg)

Large car size: the max. car width is **2200mm**, the max. car depth is **2700mm**, and the empty ceiling height is **3400mm**

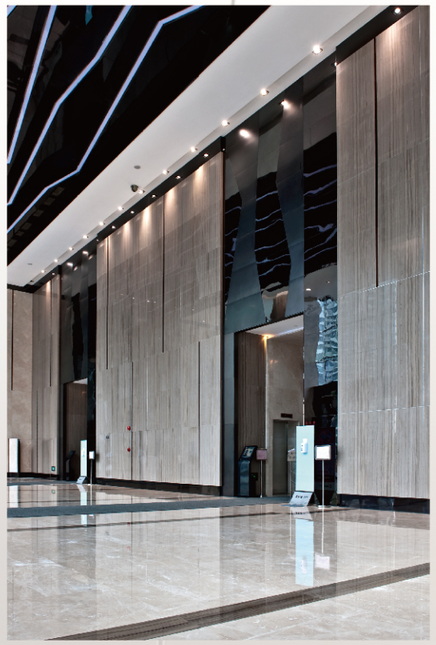
Large opening size: the max. opening size is **1500mm(CO)/1800mm(2CO)**

Large decoration weight: when the capacity is 1600kg and the car exterior height is 3400mm, a decoration weight up to **600kg** is reserved

Adaption to Wide Scenes

Many derivative elevator models: In addition to passenger elevators, derivative elevators include medical elevators, sightseeing elevators, fire elevators (mirror cabinets, hidden elevator storage structures), etc.

Application scenes include: high-end residences, commercial office buildings, hospitals, etc.



LEHY-L-Pro

Outstanding Capability

Advantages of Civil Size

Through the brand-new hoistway layout design and the structural optimization of thin door machine and other components

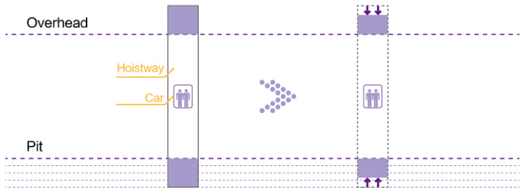
The civil size is comprehensively optimized

capacity: 1600kg, speed: 1m/s, car width: 2100mm, car depth: 11600mm			
Hoistway width	Hoistway depth	Overhead	Pit depth
2810	1945	3650	1360

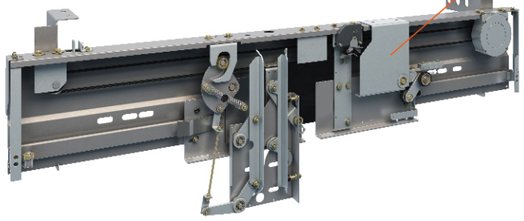
capacity: 2000kg, speed: 1m/s, car width: 2000mm, car depth: 2100mm			
Hoistway width	Hoistway depth	Overhead	Pit depth
2830	2445	3650	1400

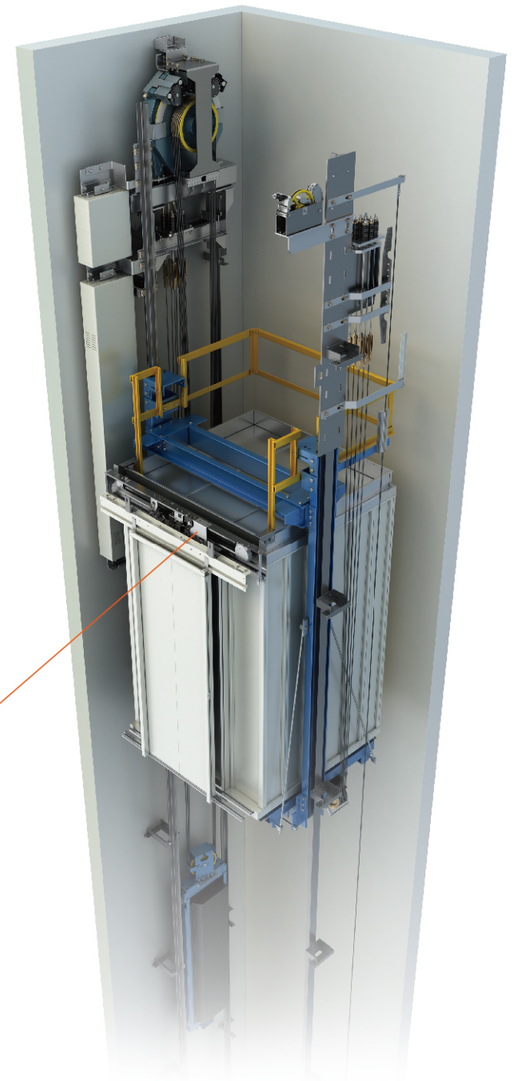
Note: When the height of the empty ceiling is 2300mm

Vertical size: the pit depth and overhead are further reduced using the unique SETS technology



Ultra-thin PM door machine system saves the installation space and reduces the horizontal size





LEHY-L-Pro

Consistent Quality

Good quality of Components

Industry-leading Design Benchmark

SMEC-made Core Components

Traction machine, control panel, door system and safety components are all original products of SMEC

Far beyond the industry average design standards and component life

Item	SMEC indicator	Industry average *
Design action life of brake	1500	≈700
Design life of hatch door system	300	≈230
Car door system test	1350	≈500
Design action life of button	500	≈300

Unit: ten thousand times

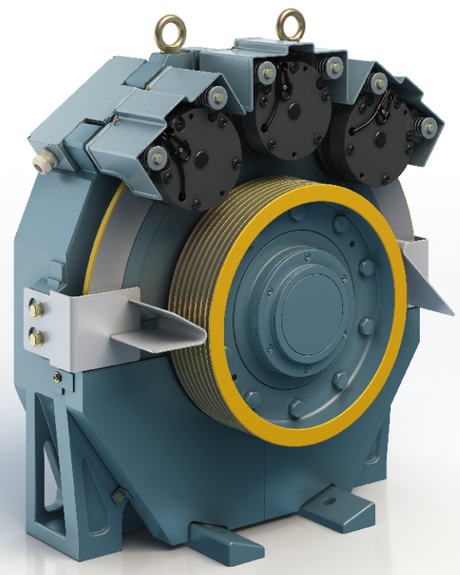
15 million times / 365 days × 2000 times/day =20 years

*: This data is sourced from industry research

Ten-Year QUALITY WARRANTY

Five core components + main components and safety protection devices

Enjoy 10 years or 6 million times of operation



Classic-inheriting Traction Machine

- PM permanent magnet synchronous gearless traction machine technology with excellent performance
- A number of original drive control technologies make the elevator safer, more reliable and more comfortable

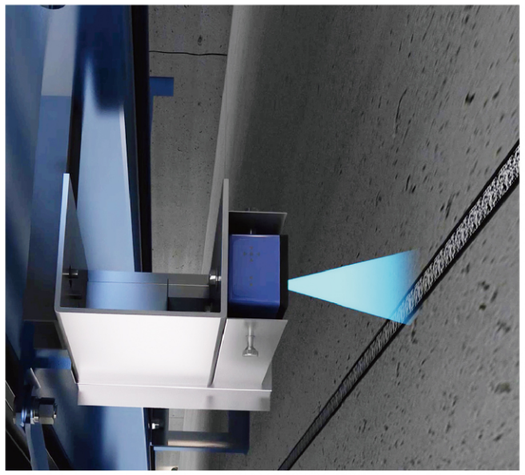
LEHY-L-Pro

Consistent Quality

High Safety Factor

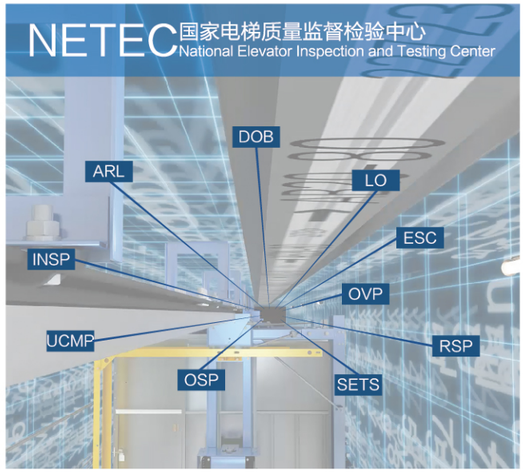
Absolute Position Sensing System

The high-precision car position sensing system eliminates the "slide" phenomenon, thus significantly reducing potential safety hazards, and the leveling accuracy is controlled within ± 5 mm.



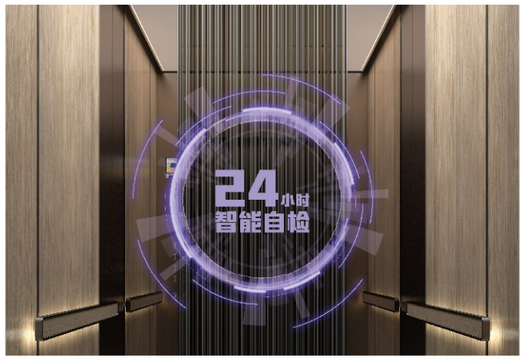
Brand-new Electronic Safety System

A safety system covering more than 30 safety functions and fast positioning in all round.



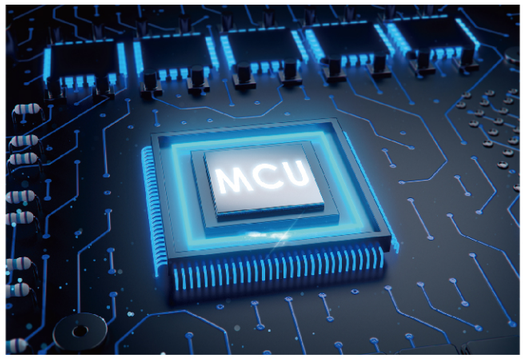
Intelligent self-inspection

The 24-hour comprehensive self-inspection function actively or regularly allows the elevator to implement high-precision intelligent diagnosis during the idle period of the elevator.



Adopt high-performance dual-core MCU and independent physical communication channels

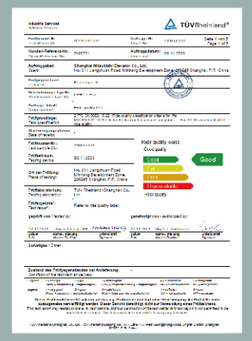
It is equipped with multiple safety MCUs to collaboratively realize the signal monitoring and safety protection of the elevator, ensuring the reliability and real-time performance of information transmission.



LEHY-L-Pro

Consistent Quality

Excellent Riding Experience



Comfort Improvement in the Car

- Certified by German Rheinland on energy-saving and comfort
- Granted the highest ride quality level by Rheinland: Good

Optimized Traction Machine Structure

- Host structure modal avoidance reduces the operation noise of traction machine by 50%
- Articulated core technology provides a small torque ripple (within 1%)
- Disc brake replaces block brake, thus reducing the brake action noise

Optimal Design of Vibration Isolation System

- The vibration isolation system of traction machine is optimized, which improves the vibration isolation efficiency and greatly attenuates the vibration transmitted to the building structure.

Drive Control Program Optimization

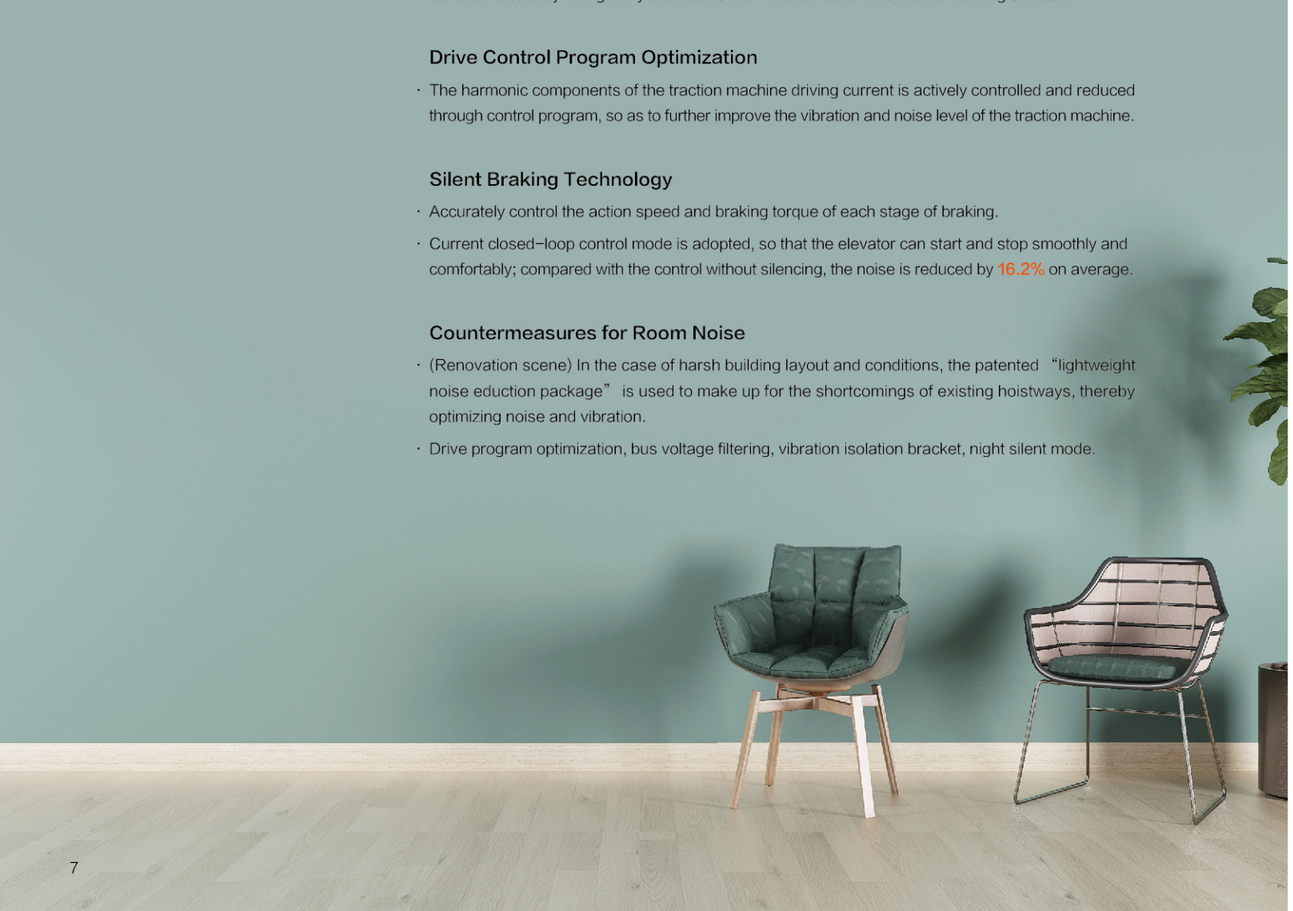
- The harmonic components of the traction machine driving current is actively controlled and reduced through control program, so as to further improve the vibration and noise level of the traction machine.

Silent Braking Technology

- Accurately control the action speed and braking torque of each stage of braking.
- Current closed-loop control mode is adopted, so that the elevator can start and stop smoothly and comfortably; compared with the control without silencing, the noise is reduced by 16.2% on average.

Countermeasures for Room Noise

- (Renovation scene) In the case of harsh building layout and conditions, the patented "lightweight noise eduction package" is used to make up for the shortcomings of existing hoistways, thereby optimizing noise and vibration.
- Drive program optimization, bus voltage filtering, vibration isolation bracket, night silent mode.



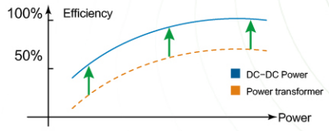
LEHY-L-Pro

Consistent Quality

Sound Energy-saving and Environment Protection Performance

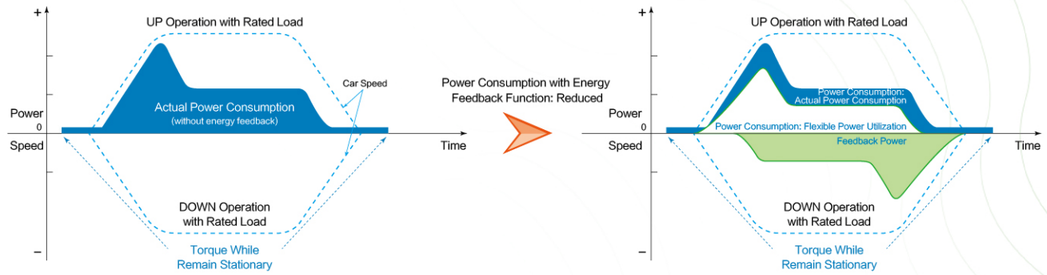
DC-DC Digital Power Supply System

Reduce energy consumption by 20% compared with traditional power supply solutions.



Energy Feedback (Optional)

Save about 30% of energy compared with elevators without energy feedback device.



Energy-saving Mode

Energy-saving operation (number control/distribution control), car fan/lighting OFF - auto, and dimming of hall display.

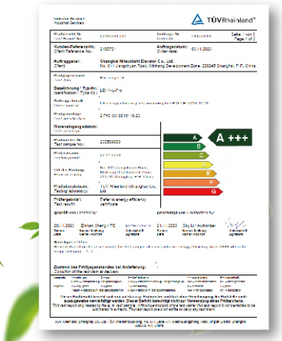
If it is turned off for 8 hours every day, the above function can save about 700 kWh per year.

Energy Saving Certificate of the Whole Machine

Obtained the dual energy-saving certification of TÜV Rheinland, Germany,

i.e., the highest level A of the two elevator energy efficiency standards,

VDI 4707 and ISO 25745, respectively



LEHY-L-Pro

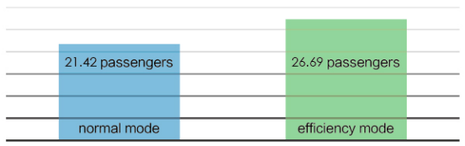
Smart and Intimate

Saving More Time for Passengers

Efficiency Mode

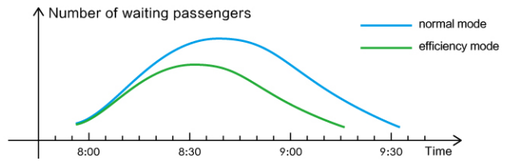
the five-minute transport capacity of single elevator can be increased by more than 20%

Five-minute transport capacity



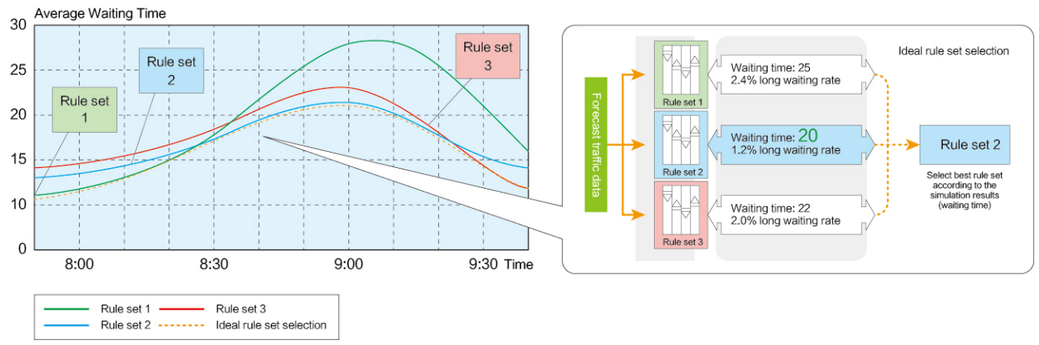
Test environment: 9 floors and 9 stations, rated capacity 1050kg, 1.75 m/s, floor height 3.3 m, up by *24.62%*

Schematic diagram of "number of waiting passengers – time" curve of hall



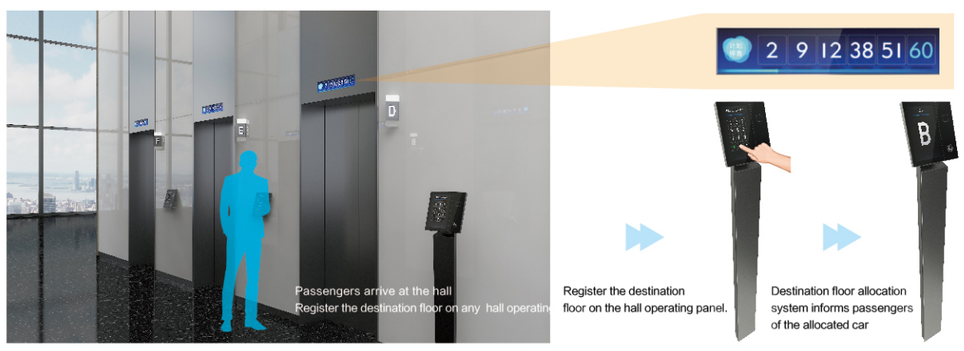
Group control algorithm

intelligent neural network algorithm, which predicts traffic data and ensures the best group control deployment



DOAS

With DOAS, the maximum transport capacity of the elevator bank under group control is increased by 30%



LEHY-L-Pro

Smart and Intimate

Saving More Labor for Property Management

EleCare

Through LNK, the cloud function of EleCare is provided to view comprehensive elevator data, recognize multiple hazards, automatically push warnings, remotely perform highly free elevator operation control, custom voice announcement for multi scenes, and provide convenient and quick maintenance services.

OpenAPI

Provide cloud interface for elevator operation data to help customers build intelligent platforms and facilitate digital transformation.

More Pleasant Design

Abundant Prefabricated Decorations

Integrated car decoration scheme (see P13 ~ P20 for details) and R-Box car decoration scheme provide original prefabricated decoration that closely follows the fashion trend of modern architecture and interior design.

Reliable Original Customization

Original customization is provided through CQS, and the capability to apply diversified customization from early design connection to late manufacturing and installation can ensure that customized components are safe and reliable and match the overall style of customers.

LEHY-L-Pro

Smart and Intimate

Greater Feast to Owners’ Eyes

Multi-permission and Multi-mode Smart Riding Experience

Face Recognition

Voice Recognition

Floating Action Button

Foot Induction

IC Card

Fast Green Channel

Targeting at scenes with emergency call and priority call demands

Provide VIP functions on the mobile phone for important guests and VIP users, so that they can freely set the departure floor and arrival floor, confirm the start on the mobile phone, eliminate irrelevant occupancy, and provide customized and personal smart VIP services.

Call Interface

Opening Interface

LEHY-L-Pro

Smart and Intimate

Greater Feast to Owners’ Eyes

Personalized Customization Leading to Diversified Screens

Full touch screen operation panels in various sizes with outstanding appearance and excellent performance

EMIDS multimedia screen with rich interaction information and convenient setting and publishing

Call Linkage Interface

Safe and quick linkage between indoor and access control call, intelligent and convenient linkage between robot and elevator call, customizable passenger flow solutions and building management systems

- Private Call
- Advance Call
- Elevator Waiting for Passengers
- Contactless Button

LEHY-L-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

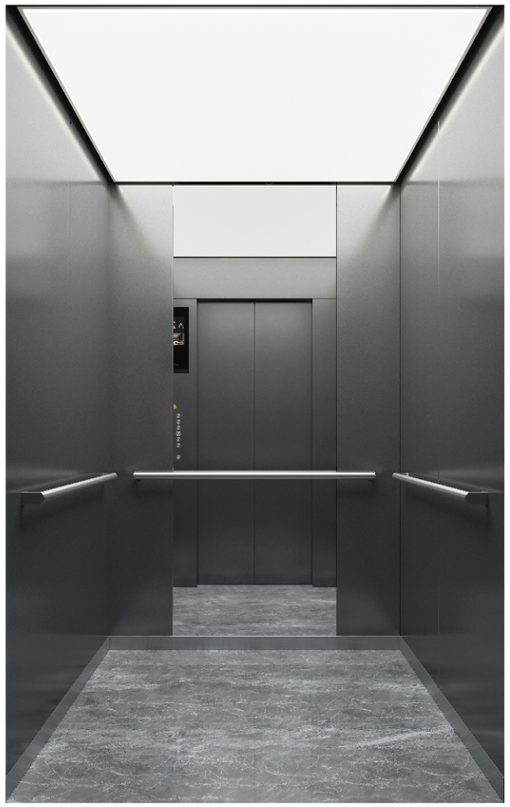
Rear wall
Sandblast titanium plated stainless steel, mirror-finish
(ZPS-002+ZDT-001)

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.

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: Café 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

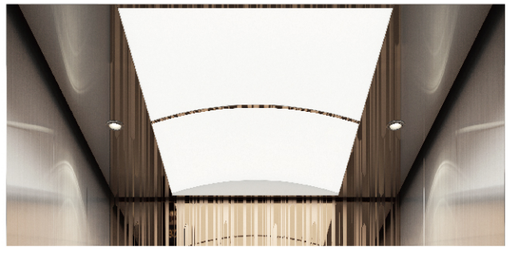
The picture is a schematic rendering. The size and appearance may vary according to actual specification and configurations.

Design of Car Ceiling

ZCL-GS24 (Optional)

Lighting: Six-head module light + light strip
Material: central sand pattern stainless steel, ambient Painted steel plate
Thickness: 100mm

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-SS12(Standard)

Lighting: down light direct lighting
Material: coating steel sheet
Remark: When air conditioner and emergency exit are selected, there are no ventilation holes on the ceiling surface, and the ventilation holes are placed in the gaps on both sides of the car ceiling.

ZCL-SS10(Standard)

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

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

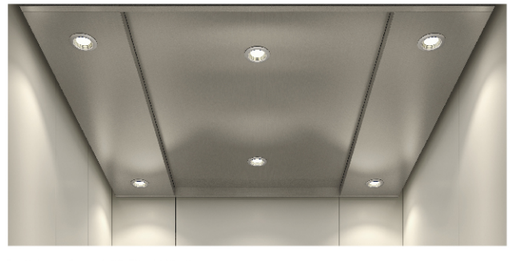
ZCL-GS17 (Optional)

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

ZCL-SS08(Standard)

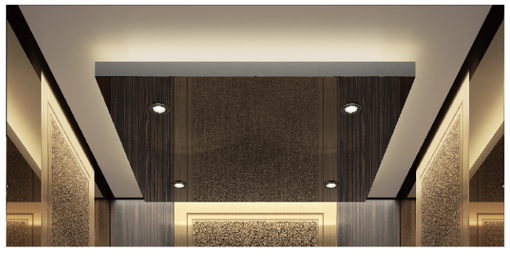
Lighting: central direct lighting
Material: central milk white printed lighting board, two-side coating steel sheet
Thickness: 200mm

ZCL-SS07S (Optional)



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

ZCL-GS08 (Optional)



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

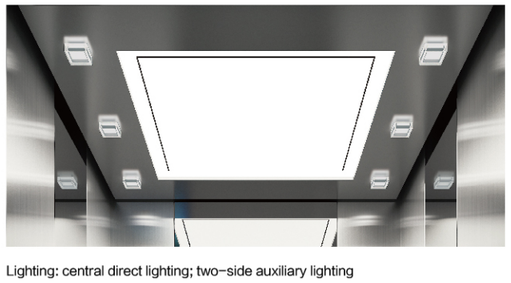
ZCL-GN07 (Optional)

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-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.

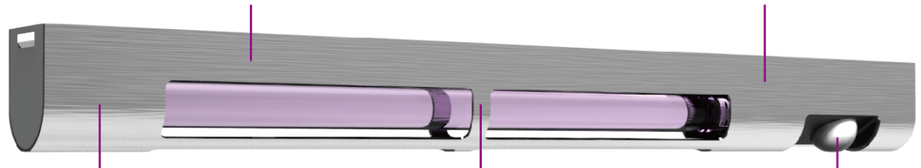
Note:

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-L-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.

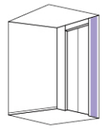
3. EMIDS

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.

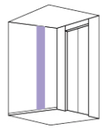
4. Brand new PI

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.

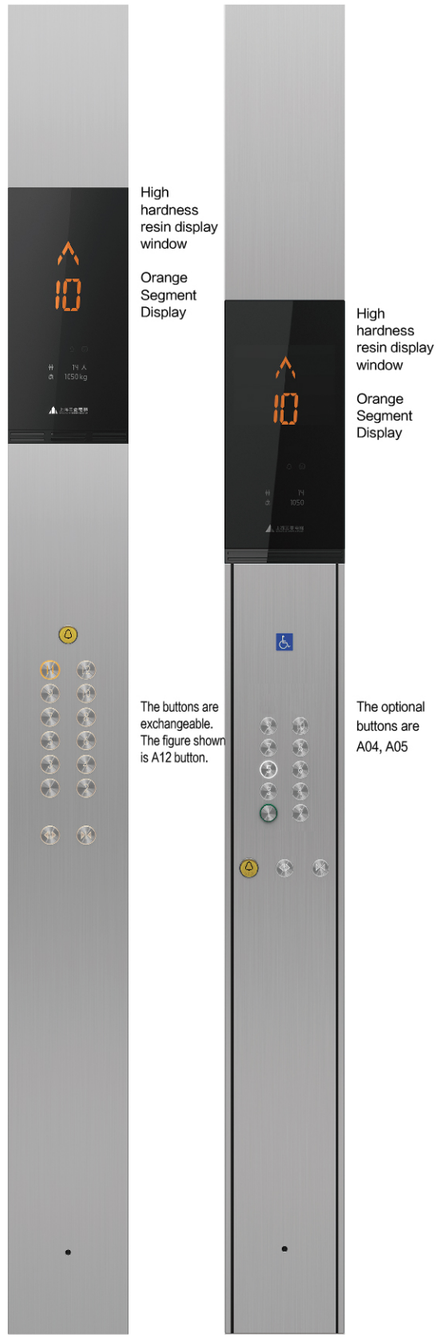
Full-height Operation Panel



Front Wall



Side Wall



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

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

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

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

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

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

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

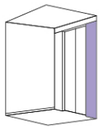
Note:

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.

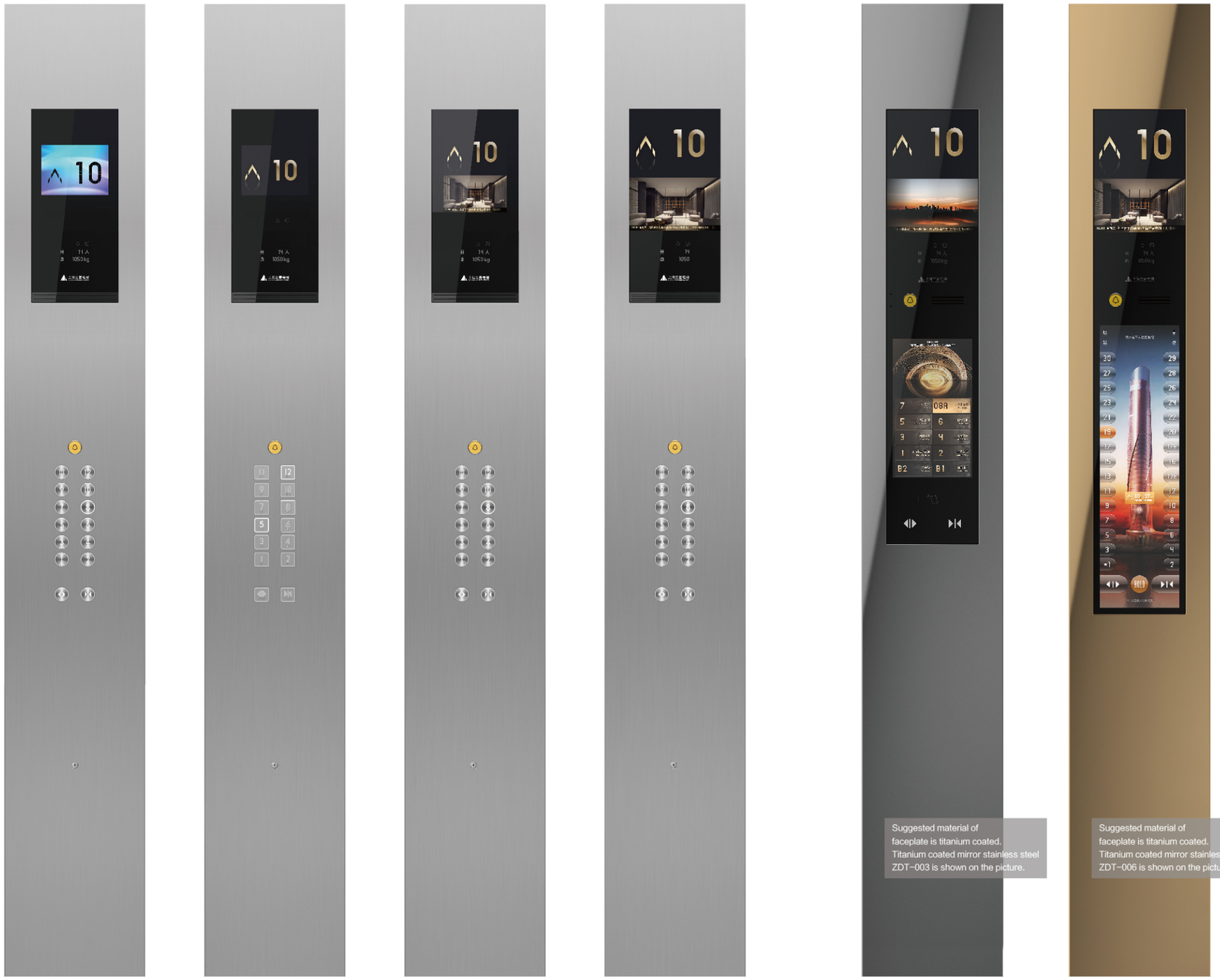
The picture is a schematic rendering. The size and appearance may vary according to actual specification and configurations.

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)

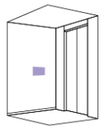
Suggested material of faceplate is titanium coated. Titanium coated mirror stainless steel ZDT-003 is shown on the picture.

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.

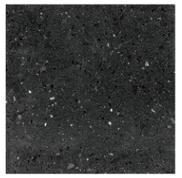
The picture is a schematic rendering. The size and appearance may vary according to actual specification and configurations.

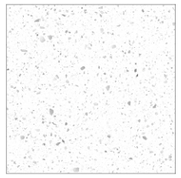
Material Correspondence

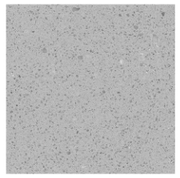
Floor Material

Artificial Stone Flooring


ZRZ-A01


ZRZ-A02

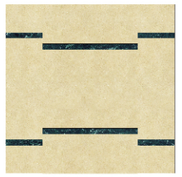

ZRZ-A03


ZRZ-A04

Marble Flooring

Note: As a natural product, marble may have grains, with slight differences between grains and colors. Wall-to-wall marble is limited by size, and splicing will occur.


ZSC-001


ZSC-002


ZSC-011


ZSC-012


ZSC-013

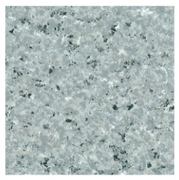

ZSC-014

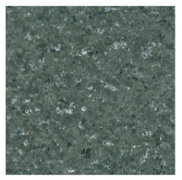

ZSC-016

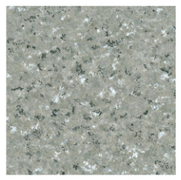

ZSC-029

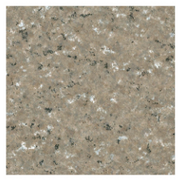
PVC Flooring

mitation granite is wear-resistant, easy maintenance and highly decorative


ZPR-013


ZPR-014


ZPR-015


ZPR-016

Parquet PVC Flooring

Imitation marble is featured by clear texture and good gloss.

It has upgraded wear resistance and foot feeling, easy maintenance, and impact resistance.

(Note: There may be slight printing marks on the surface, which is a normal phenomenon)

ZPH-035


ZPH-036


ZPH-037


ZPH-038


ZPH-026

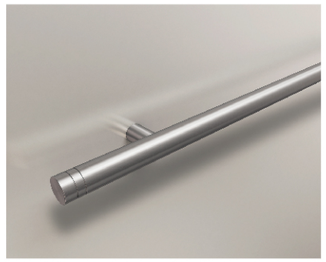

ZPH-029


ZPH-034


ZPH-031

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.

Mirror


Whole-length


Half-height


Full-height

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.

LEHY-L-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

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

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

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

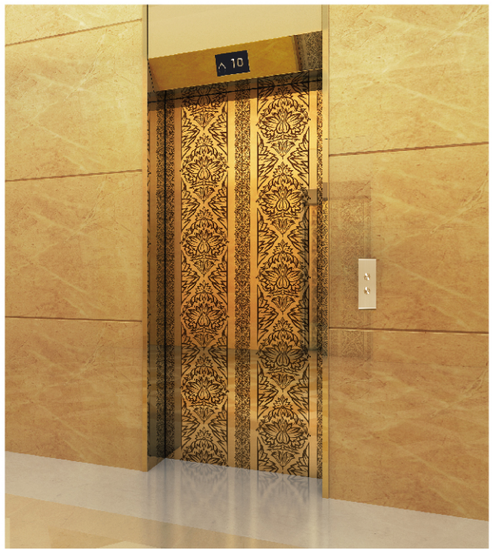
E-312 Bevel (10°) Wide Door Jamb with Transompanel

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

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.

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

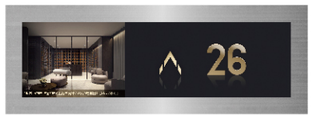
ZHB■-G010
(Single Elevator)
ZHB■-G020
(Parallel Connection)

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

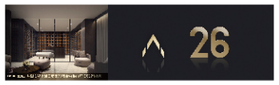


ZPIH-CE01
28.6" TFT LCD, black gold interface (EMIDS)
Resolution: 1920×540, Embedded, nstalled on the wall

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	●	●	●	●
Double-sided Static Torque Detection - Manual	In automatic mode, after the elevator is powered on after power-off or the printed control board is reset, the elevator keeps all brakes in a holding state and applies torque to the PM traction machine to check whether the double-sided static torque meets the requirements.	DBSD-O	●	●	●	●
Double-sided Static Torque Periodic Automatic Detection	In automatic mode, upon every certain period of time, when entering the sleep mode, the elevator keeps all brakes in a holding state and applies torque to the PM traction machine to check whether the double-sided static torque meets the requirements.	DBSD-P	●	●	●	●
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	●	●	●	●
Inspection Operation	Inspection operation mode for maintenance staff.	INSP	●	●	●	●
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	●	●	●	●
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	●	●	●	●

Note:

*1 It is provided as optional when the travel rise is 30 meters or below, and standard when travel rise is over 30 meters.

Emergency Operation Features

●:Standard, ○:Optional

Feature	Description	Code	1C-2BC	2C-SM21	2C~4C-ITS-21	3~8C-ITS-2100
Emergency Car Lighting	When normal lighting power supply fails, emergency car lighting is provided.	ECL	●	●	●	●
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 *1	○	○	○	○
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 *2	○	○	○	○
Fire Emergency Return	When the Fire Emergency Return switch acts, all landing calls and car calls are cancelled, and the car immediately returns to predetermined floor and parks with door opened.	FER *2	○	○	○	○
Operation by Emergency Power Source - Sole Automatic	When normal power supply breaks, the pre-assigned cars will be powered by the emergency power source of the building and automatically travel to the predetermined floors in order. Once all cars have arrived at the predetermined floors, the specified car can operate normally.	OEPS-SA*3	○	○	○	○
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*4	○	○	○	○
Elevator Monitoring System	This system uses computers to monitor the operation and position of the elevator and provides operation instructions when necessary.	SmartEye*5	○	○	○	○

Note:

*1 Applicable when the maximum distance between two adjacent landings is no more than 10 m.

*2 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.
This function is only an optional function for ordinary elevators, and an elevator equipped with the function is not equivalent to complying with the relevant requirements of GB 26465-2011, a standard for fire elevators.
As fire elevators which meet GB 26465-2011 have special requirements for environment, building, power supply and waterproofing, to order such elevators, please consult the sales department of SMEC.

*3 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.

*4 A maintenance contract needs to be signed with Shanghai Mitsubishi Elevator Co., Ltd. Currently not available for overseas market.

*5 Sign SmartEye contract with Shanghai Mitsubishi.

Operational and Service Features

●:Standard, ○:Optional, —: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	○	○	○	○
Attendant Service	Normal operation of the elevator is conducted by an attendant	AS	○	○	○	○
Bypass	Bypass all hall calls when the attedant serves and activates the 'Bypass' button.	BP*1	○	○	○	○
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 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	●	●	●	●
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	●	●	●	●
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	—	●	●	●
Elevator Dedicated Air Conditioning	Air conditioning for elevator car.	EAC	○	○	○	○
Self-diagnosis	Diagnose abnormities and faults occurred during elevator operation.	EFD	●	●	●	●
Exit Switch	Switch for detecting state of exit	EXIT SW*2	○	○	○	○
False Call Cancelling - Automatic	If the number of registered calls is not agree with the number of passengers, it will cancel all calls to avoid unnecessary stops.	FCC-A*3	○	○	○	○
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 *5	○	—	○	○
Automatic Hall Call Registration	When one elevator cannot take all passengers, the landing button remains registered state, and the system will assign another elevator to provide service.	FSAT	●	●	●	●
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	●	●	●	●
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	○	○	○	○
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	○	○	○	○
Intelligent Call System	Achieve intelligent elevator calling through mobile devices or biological recognition technology.	ICS	○	○	○	○
Independent Service	Using the Independent switch in the operation panel, the car can respond only to car calls without interrupting service.	IND	●	●	●	●
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	○	○	○	○
Non-service to Specific Floor (switch type)	Operating this switch can cancel service to specified floors.	NS *6	○	○	○	○
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	●	●	●	●
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	●	●	●	●
Remote Control Stop	Start or stop the car through the remote control switch.	RCS *7	○	○	○	○
Return Operation	Operating Return switch to immediate call the car back to specified floor and park there.	RET *7	○	○	○	○
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	○	○	○	○
Secret Call Service (IC card type)	The buttons of certain specified floors can only be registered via IC card.	SCS-IC	○	○	○	○

Note:

*1 Optional when AS is provided.

*2 With hoistway safety door

*3 Optional in the case where the number of landing stations is equal or more than 6 and SCS-IC feature is not provided.

*4 SCS-IC cannot be configured at the same time.

*5 AIL cannot be configured at the same time.

*6 The NS switch is installed in the operation panel of the main elevator by default, and the name of the hall of NS floors must be indicated on the non-standard countersignature form.

*7 The consumer or SmartEye shall provide a dry contact signal to the control cabinet. This functional interface has been reserved in the control panel.

Features

Information and Display Features

●:Standard, ○:Optional, —: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	○	○	○	○
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	○	○	○	○
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	○	○	○	○
Automatic Operation Signal Light (Hall)	The landing indicator displays the elevator is in automatic operation state.	AUTL *3	○	○	○	○
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 *3*4	○	○	○	○
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 *9	○	○	○	○
Exclusive Service Indication	Display that the elevator is in exclusive service state.	EXCL *17*5	○	○	○	○
Fireman’s Emergency Operation – Complete	The fireman’s emergency operation is activated,the elevator runs to specified return floor, then the elevator outputs an in-place indicating signal.	FE-CP *10	○	○	○	○
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 *11	○	○	○	○
Fire Emergency Return – Completed	A CP signal is outputted after the FER running is completed.	FER-CP *12	○	○	○	○
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	○	○	○	○
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	○	○	○	○
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 *13	●	●	●	●
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 *14	○	○	○	○
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 *14	○	○	○	○
ITV Cable(for SMOS)	The cable used for video camera equipped with SMOS system.	ITV-S *14	○	○	○	○
Operation by Emergency Power Source – Completed	A CP signal is outputted after the operation by emergency power source is completed.	OEPS-CP *15	○	○	○	○
Overload Indication in Car	When the elevator is overloaded, the overload indicator lamp illuminates.	OLHL	○	○	○	○
Out-of-Service Indication	Indicate the elevator is out of service on the hall.	RESL *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 At most two of hall functional lights AUTL (automatic), BPL (full), EXCL (exclusive), and RESL (out of service) can be selected; and EXCL (exclusive) is optional when VIP-S is configured.
*4 Standard when ABP or BP is provided.
*5 Standard when HE-B is provided.
*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 Refer to the Specification of EMIDS system, LEHY-PS1;
The size, installation location, and installation method (oncell, embedded or wall-mounted) of the LCD display must be indicated;
When two LCD displays are provided, it is necessary to specify whether to display the same content synchronously or display different content separately;
Default configuration: the display interface is a “full screen interface”, the embedded faceplate is made of hairline finished stainless steel, and the wall-mounted faceplate is made of black acrylic.
*9 Refer to the Specification of EMIDS system, LEHY-PS1;
The size, installation location, and installation method (oncell or wall-mounted) of the LCD display must be indicated;
Default configuration: the display interface is a “full screen interface”, the oncell faceplate is made of hairline finished stainless steel, and the wall-mounted faceplate is made of black acrylic;
The installation floor is the main service floor.
*10 Standard when FE is provided.
*11 Optional when FE is provided.
*12 Standard when FER is provided.
*13 The cables of the monitoring room and their installation shall be in the charge of the user. For details, see the specification of elevator multi-party call system, LEHY-III-PS3.
*14 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
*15 Optional when OEPS-SA is provided.

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	●	●	●	●
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	Press and hold this button can extend door-open time.	DKO-TB*2	○	○	○	○
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	●	●	●	●
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	●	●	●	●
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 *3	○	○	○	○
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.
*2 Standard when HE-B is provided.
*3 Optional when AAN is provided.

Group Control Features

●:Standard, ○:Optional, —: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	—	—	○	○
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 *2	—	—	○	○
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	—	—	○	○
Special Floor Forced Stop	Cars passing a certain floor are forced to stop at this floor.	FFS *3	○	○	○	○
Lunch Time Service	Car assignment can be adjusted to favor canteen or restaurant floor to accommodate the high demand during lunch time.	LTS *4	—	—	○	○
Main Floor Parking	When there is no landing call or car call, the car returns to main floor and parks there.	MFP	○	—	—	—
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	—	—	●	●
Main Floor Changeover Operation	Main floor can be changed by pressing the Changeover switch.	TFS *5	○	—	○	○
Up Peak Service	During the predetermined work hours when the up traffic from the main floor is specially heavy, elevators are continuously sent to the main floor meet the needs of up peak traffic.	UPS	—	—	○	○
VIP Service	A specified car can be withdrawn from group service for special VIP service.	VIP-S *6	—	—	○	○

Note:
*1 The grouping switch shall be provided by the user, and the interface of such grouping switch shall be provided by SMEC in the control panel; grouping situation must be indicated on the non-standard countersignature form.
*2 The name of the crowded floor hall shall be specified
*3 The floor at which the elevator is forced to stop must be specified
*4 The name of the lunch floor hall shall be specified
*5 The switching switch shall be provided by the user, and the interface of such grouping switch shall be provided by SMEC in the control panel; the name of the second main hall must be indicated on the non-standard countersignature form.
*6 The VIP elevator number and the name of the floor where VIP passengers wait for their elevator shall be specified on the non-standard countersignature form; and the installation floor of VIP switch is the floor where VIP passengers wait for their elevator by default.

Basic Specifications

Item	Specifications					Remark
Speed(m/s)	1.0	1.75	2.0	2.5	3.0	
Capacity(kg)	630	630				
	825	825	825	825		
	1050	1050	1050	1050	1050	
	1200	1200	1200	1200	1200	
	1350	1350	1350	1350	1350	
	1600	1600	1600	1600	1600	
	1800	1800	1800	1800		
	2025	2025	2025	2025		
	2250	2250				
	2500	2500				
Max Num. Stops	18	28	32	32	32	
Travel Height (m)	3.4~55	7.3~80	9.1~120	13.3~120	15~120	
Operation Mode	1C-2BC, 2C~4C-SM21, 2C~4C-ITS-21, 3C~8C-ITS-2100					When 2C-SM21 is 1D1G only, 2C ~ 4C ~ ITS-21 are optional
Control Mode	VFH-LA VVVF, micro-computer data network control system					
Roping	2 : 1					
Traction Machine	PM synchronous traction machine					
Support mode of the traction machine	supported by guiderails					
Machine room	top of hoistway (machine-room-less)					
Door Opening Mode	Center opening					
	Two panel sliding					
Door drive mode	VVVF (PM door operator)					
Door Opening Type	1D1G					
	1D2G/2D2G					
Dynamic Power	380V 50Hz 3 phases, 5 lines					
Lighting Power	220V 50Hz Single-phase					
CWT Position	Side					
CWT Safety Gear	Not provided, Provided					
Min. Landing Height (mm)	2800					Concrete nosing will be provided by the customer; HH=2100, HL=2200
	2600					Steel nosing will be provided by the Seller. HH=2100, HL=2200
Landing Display Range (Standard)	-5~48, 1B, 2B, 3B, 4B, 5B, A, B, B1, B2, B3, B4, B5, B6, C, D, E, G, G1, G2, G3, GF, H, K, L, L1, L2, L3、LB, LG, M, M1, M2, M3, M4, M5, M6, MB, P, P0, P1, P2, P3, P4, P5, PB, PH, PL, PP, R, R1, R2, R3, S, S1, S2, S3, S4, S5, T, UB, UG					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.
Landing Display Range (Non-standard: out of the above scope)	-5~48, 1B, 2B, 3B, 4B, 5B, A, B, B1, B2, B3, B4, B5, B6, C, D, E, G, G1, G2, G3, GF, H, K, L, L1, L2, L3, LB, LG, M, M1, M2, M3, M4, M5, M6, MB, P, P0, P1, P2, 15A, 12.1, 12.2, 22.1, 22.2, 2A, 19A, 1A, 13F, 3F, F1, F2, 22A, RC, 4A, 15B, 13B, F, D1, D2, 1M, 2M, 3M, 3A, 5A, 12A, 12B, 13A, 23A, 16A, 16B, 17A					

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