**BLT BRILLIANT**

# BRILLIANT ELEVATOR

TECHNOLOGY LEADS MARKET
SERVICE CREATES VALUE

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**CNYD**

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**BRILLIANT**

**SHENYANG YUANDA INTELLECTUAL INDUSTRY GROUP CO., LTD.**

# BRILLIANT ELEVATOR

○ Chinese Pride
○ Trust by the world

远大智能工业 · 博林特电梯

## Contents

# YUANDA GROUP

Shenyang Yuanda Enterprise Group (hereinafter referred to as "Yuanda Group" or "Yuanda"), established in 1993, was a high-end and comprehensive high-tech enterprise, and now it has developed into a large-sized enterprise group supported by Intelligent Construction Industry, Intelligent Industry, Intelligent Agriculture, Scientific and Technological Industry, and Financial investment. And make two companies successfully go to public.

● In the field of intelligent construction industry, Yuanda mainly focuses on developing curtain wall and industrial housing.

● In the field of intelligent industry, Yuanda focuses on developing elevator manufacturing, frequency conversion, energy-saving motor,wind-power generator, and industrial robot.

● In the field of intelligent agriculture, Yuanda focuses on developing intelligent dripping system, precision irrigation facilities, and agricultural machinery manufacturing.

● In the field of scientific and technological industry, Yuanda focuses on developing industrial robot, high-power ultrasonic application, vibration engineering application, system simulation, industrial engineering, and realizing the industrial information.

● In the field of financial investment, relying on China's "One Belt, One Road"strategy, Yuanda is dedicated to new energy business, finance and investment, trade and product agency, and the global resource integration.

# SHENYANG YUANDA INTELLECTUAL INDUSTRY GROUP CO., LTD ( BLT ELEVATOR )

Shenyang Yuanda Intellectual Industry Group Co. Ltd (002689.SZ) is founded in September, 2001, a professional elevator manufacturer engaged in the developing, designing, manufacturing, selling, installation, and after-sales service of complete elevator products. BLT has passed ISO9001:2008 Quality System Certificate, ISO14001 Certificate of Environment Management System and GB/T28001 Occupational Health and Safety Management System Certificate. In addition, BLT products have all obtained the CE certification of EU, GOST certification of Russia and CSA certification of North America.

In 2010, the company built the Elevator Industrial Park in Shenyang west industry corridor for international management. The factory covers an area of 480 thousand square meters. This is the world important developing and manufacturing base of elevator. After years of effort, BLT has set up more than 220 sales service branches both at home and abroad, 5 wholly-owned subsidiaries and one joint-stock subsidiary in Australia, India, Singapore, Mongolia, Peru, building a worldwide sales service network and providing "lifelong" after-sale experience for every customer with its professional, high-qualified, fast and convenient service.

The company owns modern R&D center. The 177-meter- high elevator test tower in the center of the factory is currently one of the highest in China, with 11 test shafts, and a 10m/s high speed elevator technological test being feasible. The completed test and inspection center owns 12 libraries, one trial factory, and is equipped with 77 sets of advanced test and inspection devices. Besides, all the kinds of performance tests of complete elevators and components can be carried out in the center, which provides advanced, scientific and powerful guarantee for the research, development and stabilization of products.

26 thousand square meters large single workshop (multiple)

# GLOBAL LEADER
# IN PRODUCTION EQUIPMENT

AMADA EMK3510NT turret punch

AMADA VIPROS−357Q Numerically Controlled Turret Punch Press

AMADA Flying Optics Laser Machine FO−3015

TRUMATIC L 3030, TRUMPF, Germany

Horizontal Machining Center

Tunnel type ultrasonic cleaning machine

Numerical Control Vertical turning flexible manufacturing cell

Salvagnini's(S4+P4) Complete and Flexible Sheet Metal Product Lines, Italy(two)

- More comprehensive
- More technological
- More environmentally friendly
- More comfortable

## Flagship product·comprehensive upgrades

Comfortable · safe · energy-saving · efficient

Our product specifications cover nearly all architectural space requirements, seamlessly catering to customer upgrades from design to functionality. Standardized components combined with exquisite manufacturing techniques culminate in the creation of the perfect flagship product, the CHOI-MRL.
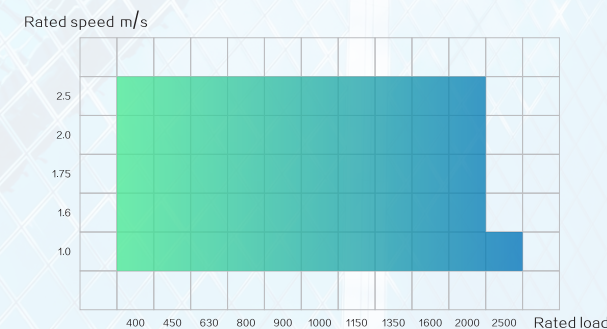
## Technology deduces a perfect life

After decades of technical experience and innovation, CHOI-V machine room passenger elevator with deeper optimization has become a unique outstanding product which is reliable, energy-saving, environment-friendly, comfortable, stable and space-saving.

## Green technology · Enjoy the future

The new generation of intelligent elevator design concept as the core，featuring a comprehensive upgrade in smartcontrol systems and functions.It delves intoenergy conservation and carbon reduction, smart electricity usage, and minimizing energy loss.

## Dedicated to providing a smooth and comfortable riding experience

Science and technology is people-oriented, CHOI-V is committed to creating a perfect elevator riding as the standard, inheriting CHOI series of resistance reduction, noise reduction concept,striving for an exceptional level of riding comfort.

Rated speed m/s

| | 400 | 450 | 630 | 800 | 900 | 1000 | 1150 | 1350 | 1600 | 2000 | 2500 | Rated load |

## CHOI-V
### BRILLIANT
#### Small Machine Room Passenger Elevator

## SHORTING MOTOR STATOR TECHNOLOGY

Standard brake star sealing technology, even if the brake is fully opened (that is, the loss of braking power) and there is no external power supply at the same time, the elevator will only move slowly at a speed less than 0.3m/s, completely eliminating the so-called overrunning of ascending and descending car caused by brake failure.
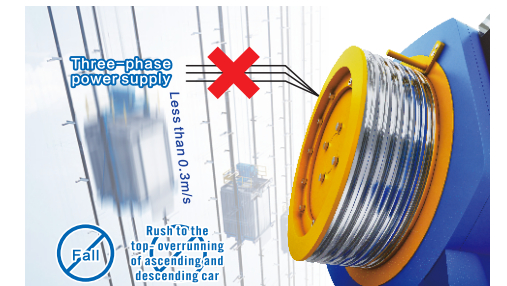
## COMFORTABLE AND RELIABLE, DIRECT DOCKING, PRECISE AND SMOOTH OPERATION, AUTOMATIC COMPENSATION OF STARTING TORQUE

The elevator calculates the operation curve based on distance, ensuring direct leveling without any crawling. Before starting, it automatically compensates based on the current load in the car, ensuring a smooth start and enhancing ride comfort.
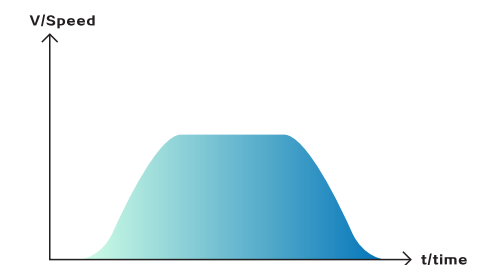
## CLASS A ENERGY CONSUMPTION CERTIFICATION

The elevators are certificated by TUV in accordance with the European Union and Germany's most stringent ISO25745 and VDI4707 energy efficiency standards. The highest level (A-level) certification is obtained. CHOI-V is the most energy-saving elevator.

Energy efficiency class
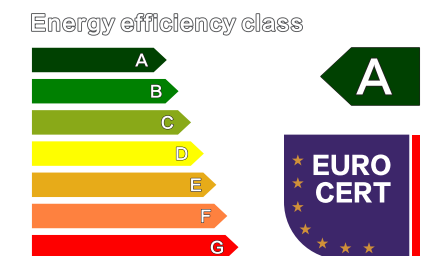
## ELEVATOR CONTROL SECTION

The elevator utilizes the MPDK series control drive system, featuring dual 32-bit processing chips for safer, more accurate, and faster operation. Integrating an intelligent elevator controller and high-performance VVVF inverter eliminates discomfort during rides, making speed transitions during start, operation, and stop seamless. Advanced industrial bus technology and SMT surface mounting technology reduce size and weight, enhance interference and vibration resistance, ensuring reliablesystem operation. The user-friendly interface simplifies debugging and configuration.
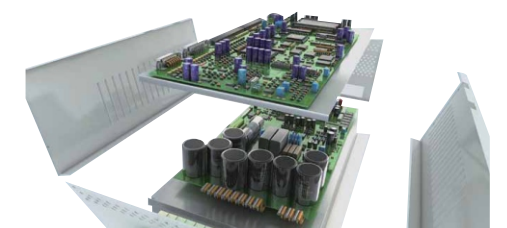
# CERTIFICATES

1. Machine− Room−Less Freight Elevator CE Certificate
2. High−speed elevator CE Certificate
3. Machine room elevator CE Certificate
4. Machine− Room−Less elevator CE Certificate
5. Energy Efficiency Certificate
6. Singapore PSB Certificate
7. Russian EAC Ordinary Passenger Elevator Certificate
8. North America Escalator Certificate
9. Certificate of Occupational Health and Safety Management System Certification
10. Certificate of Quality Management System Certification
11. Certificate of Environment Management System Certification
12. Laboratory Accreditation Certificate



# ENJOY PEACE OF MIND WITH THE BEST EXPERIENCE

## A NEW GENERATION OF PERMANENT MAGNET SYNCHRONOUS GEARLESS TRACTION MACHINE

1. Ultra−thin body design saves space.
2. High−temperature resistant permanent magnets ensure no demagnetization or detachment under 150 ℃ conditions.
3. Enhanced motor efficiency for optimal energy savings.
4. Transparent designof the machine body allows excellent heat dissipation.
5. Maintenance−free without the need for grease replacement, preventing oil pollution.
6. Low temperature rise, low noise, high efficiency and stability.
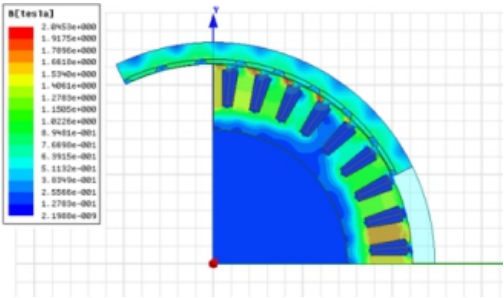
**SAVE ENERGY**
33%

**SAVE SPACE**
28%
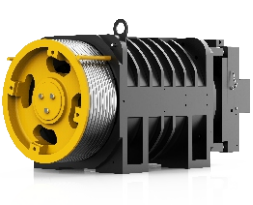
**TRACTION MACHINE WITH STEEL BELT**
−Can only be used for Hong series villa elevators
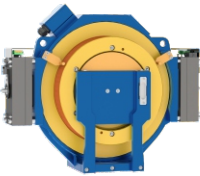
−Can only be used for some elevators without machine room
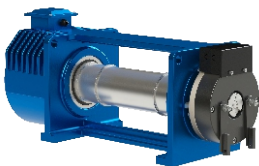
## OPTIMIZED DUAL DRIVE SCHEME

1. Both drive frame beam structure and drive seat guideway structure are optional fit for all kinds of machine room less civil construction conditions.
2. After rigorous analysis and test of the driving mechanical structure, the load−bearing and damping distribution of the components is more reasonable, and the operation is more stable.

Machine− Room−Less drive−beam ▼
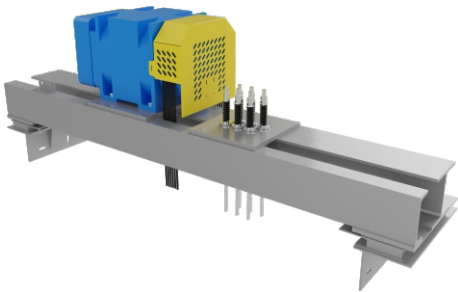
Machine− Room−Less drive−frame guide rail ▼
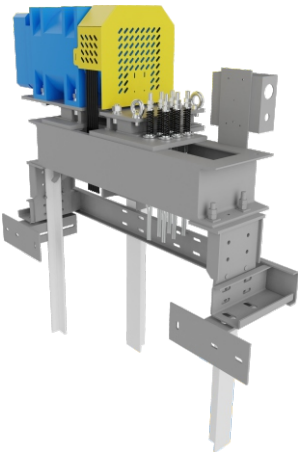
## DUAL BRAKE REDUNDANT PROTECTION

1.Two brakes work at the same time with standard brake position switch
2.Can withstand the stopping impact of 125% of the rated load
3.The brake has a detection switch, the alarm sounds immediately if one group set fails.
4.The maximum application temperature of brake friction pads is 400℃, the maximum application linear speed is 30m/s, and there is no carbonization in the whole life cycle.

## MACHINE-ROOM-LESS RESCUE INSTRUCTIONS

With the unique Machine- Room-Less room monitoring technology, rescue personnel can directly see the elevator running direction, whether it is on the leveling floor and the running speed through the Machine-Room-Less room monitoring board, This makes the judgment of the elevator's position during the rescue process more accurate, significantly improving rescue efficiency.

## RELIABLE DOOR SYSTEM

New type hooked landing door sill and hook floor door slider have excellent anti-impact and shedding performance. Reinforced (with reinforcement ribs) landing door panel, anti-drop certification for covering the 2600mm height floor door pendulum impact verification, ensure the safety of passengers.

## MUTE TECHNOLOGY OF MACHINE ROOMLESS CONTACTOR

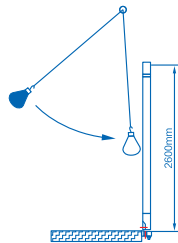The unique silencing technology of contactor reduces the noise of contactor to be inaudible every time the elevator is running. It solves the problem of mute and noise reduction of machine room-less elevator effectively.
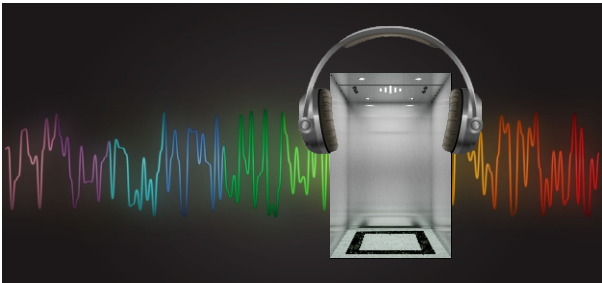
## POWER FAILURE EMERGENCY LEVELING FUNCTION (OPTIONAL)

In the event of a power outage, the backup power supply provides control power, allowing the elevator to level off at the nearest floor so passengers can safely exit.

# DESTINATION FLOOR CONTRL SYSTEM

Designed for elevator group control system, correctly guide customers to take the elevator, reduce customer waiting time, ease customer anxious waiting mood.

## MCTC-DDS-T Touch control screen

・Touch floor station selection button.
・Touch the floor selection button, and it will guide you to which elevator to take.
・Soft, clear female voice broadcast.
・Date, week display.
・Standby interface display.
・Floor selector display parameters, floor selector function parameters, floor display parameters settings,floor selector system parameters and other independent settings.

Hall lantern

Main product interface (2 optional)　　Wall-mounted effect drawing　　Vertical renderings
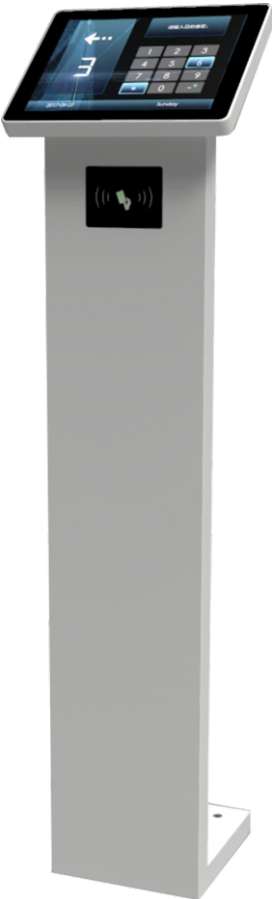
## MATERIAL DESCRIPTION

| Models | MCTC-DDS-T1-B1 | MCTC-DDS-T1-B2 | MCTC-DDS-T2-B1 | MCTC-DDS-T2-B2 |
|---|---|---|---|---|
| Name | 10.4-inch touch screen floor selector bracket (vertical) | 10.4-inch touch screen floor selector bracket (wall-mounted type) | 15-inch touch screen floor selector bracket (vertical) | 15-inch touch screen floor selector bracket (wall-mounted type) |
| Maximum size | 260.5*239*1020.6mm | 260.5*171.32*254.67mm | 343.4*230.28*1075.26mm | 343.4x224.52x436.55mm |
| Material | Iron | | | |
| Spray paint the surface | Milky white spray paint | | | |

# INTELLIGENT HUMAN-COMPUTER INTERACTION

## INTELLIGENT VOICE REASSURANCE

The elevator broadcasts a voice message to remind and comfort passengers inside the car in case of power failure, malfunction,emergency device activation or fire-alarm signal reception.

## LIGHT CURTAIN ELECTRIC VEHICLE PREVENTION FUNCTION

Excellent electromagnetic compatibility, strong anti-electromagnetic interference ability, response time less than 65ms, anti-strong light interference, IP65 high waterproof and dust-proof grade.

## CAR CAMERA DEVICE (OPTIONAL)

A camera device is installed in the car to monitor the situation in the car.

## CAR OPERATION PANEL REMAINS SUBTLY ILLUMINATED (OPTIONAL)

The car floor selection button keeps slightly bright when the elevator is on standby, and the car floor selection instruction is highlighted after registration, which improves the digital recognition of the button, and the floor number on the button can be quickly identified even in a dark environment.

## NON-COTACT AI MULTI-FACE RECOGNITION (OPTIONAL)

This non-contact AI multi-face recognition system utilizes the PCA method for high-performance identification.Installed in elevator cabins or access control systems, itcaptures, scans, and interprets facial information in realtime.Upon successful database comparison, it retrievescorresponding permissions and floor data to automaticallyregister floors and grant access.

## ELEVATOR INTERNET OF THINGS (IoT) (OPTIONAL)

A remote management and monitoring platform based on wireless network is implemented for 24-hour automatic monitoring of elevator operations. It reads various data including cabin status (direction of travel, floor, door status,etc.), elevator status (running, faults, maintenance),terminal status, elevator parameters, and more.

## CAR PURIFICATION FUNCTION (OPTIONAL)

1.Optional  Ventilation duct for sterilization and PM2.5 removal.

2.An optional intelligent cabin air purifier with hydrogen and nano-ion technology, capable of quickly eliminating over 99% of airborne bacteria, decomposing viruses, ensuring human safety, maintenance-free, with real-time display.

3.An optional UV sterilization solution, intelligently activated or deactivated by elevator signals, patented technology.

Intelligent elevator ultraviolet virus killing system

- Linkage with elevator signal system to ensure unmanned sterilization of the elevator car
- Multiple working modes, customizable antivirus cycle
- Support network function, remote control
- Optional WiFi function, mobile APP control

## INTELLIGENT GROUP CONTROL, DISPERSED WAITING STRATEGIES, AND BUILDING TRAFFIC ANALYSIS FOR CUSTOMERS.

When the floor call is input, the group control management software carries on the high-speed calculation of the information, and makes the most reasonable distribution to the elevator operation after analysis and evaluation. All elevators will be ready for the landing call and run according to the best plan.

The goal is to minimize the travel distance of the elevators, thus saving energy. The software analyses each floor call and intelligently assigns elevators to reduce overall travel distance.

The smart distribution of waiting elevators ensures passengers are transported quickly and efficiently.

The basic elements of serving the image of modern high-rise buildings are passenger traffic planning; the elevator system should have sufficient processing capacity to keep passenger waiting times acceptable and prevent lobbies from becoming overcrowded. BLT is committed to providing passengers with an extraordinary experience 'in the blink of an eye,' offering clients traffic distribution calculation services. Through scientific computation, we match different building specifications to help clients select the appropriate type of elevator.

Waiting hall on the first floor

Elevator No.1
Elevator No.2
Elevator No.3

Traditional elevator
Scattered waiting ladder

BRILLIANT elevator

**Floor**

Elevator No.1
Elevator No.2
Elevator No.3
Passengers call the ladder

Passengers call the ladder

The waiting time of No. 1 elevator is 50s.
The waiting time of No. 2 elevator is 30s.
The waiting time of No. 3 elevator is 10s.

Judge

Compare waiting time. Choose the best elevator

Execution

Elevator No. 3 should deal withPassenger call

**Wait time**

# INTELLIGENT HUMAN-COMPUTER INTERACTION

## MATERIAL DESCRIPTION

| Product Name | COP |
|---|---|
| Style classification | Black toughened glass<br>Silver brushed toughened glass<br>Black + silver toughened glass |
| Model | LEOP10-CK-GCF-01 |
| Display | 7-inchTFT |

## MATERIAL DESCRIPTION

| Product Name | LOP |
|---|---|
| Style classification | Black toughened glass<br>Silver brushed toughened glass<br>Black + silver toughened glass |
| Model | MCTC00-ZX-GJF-02 |
| Display | 4.3-inch TFT |

## MATERIAL DESCRIPTION

| Screen size | Display area |
|---|---|
| EHCL-150C | 304*228 |
| EHCL-170C | 335*268 |
| EHCL-190C | 409*255 |
| EHCL-215C | 476*268 |

## EMBEDDED HORIZONTAL DISPLAY OR ADVERTISING MACHINE

· Powerful features of EHCL series
· Real-time display of elevator running status
· Play remote updates of content
· Power saving operation function
· Time and date display function
· Text information cell broadcast function
· Real-time streaming media play function
· Local video music picture play function
· Partition play function
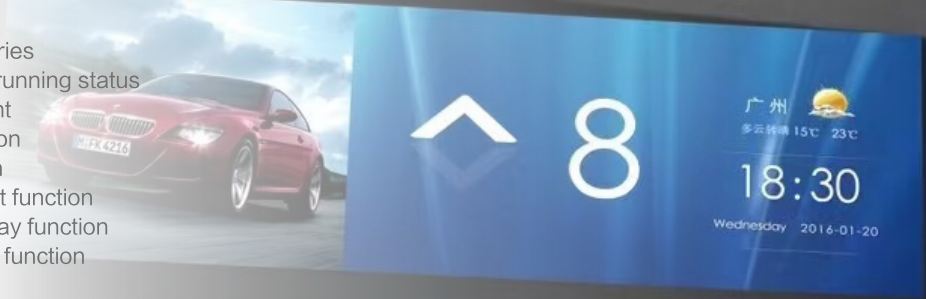
## MATERIAL DESCRIPTION

| Screen size | Display area |
|---|---|
| 19-inch long screen ELONG-190 | 477*90 |
| 28.5-inch long screen ELONG-285 | 699*197 |
| 37-inch Long screen ELONG-370 | 900*253 |

# CAR DECORATION
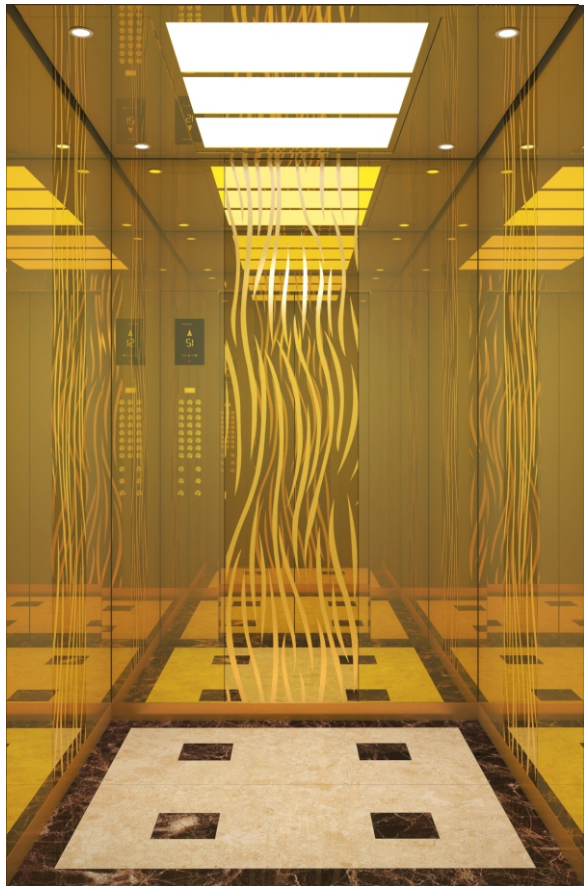
## BLT-K281

| | |
|---|---|
| Car ceiling | PD142,Titanium golden mirror stainless steel |
| Car front wall, | Titanium golden mirror stainless steel |
| Car side wall | Titanium golden mirror stainless steel, Titanium golden mirror etching |
| Car rear wall | Titanium golden mirror stainless steel, Titanium golden mirror etching |
| Car door | Titanium golden mirror stainless steel |

VR panoramic car



## BLT-K296
The standard configuration

| | |
|---|---|
| Car ceiling | PS018, hairline stainless steel, LED downlight |
| Car front wall, door lintel, car door, three Car side walls, skirt panel (if any) | Hairline stainless steel |
| Plastic floor | SJ-026 parquet; no handrail |
| Control panel | C221YA (front), C221WA (side), integrated control panel, hairline stainless steel |

VR panoramic car

## BLT-K289

| | |
|---|---|
| Car ceiling | PD136, rose gold mirror stainless steel, acrylic lamp, acrylic crystal lamp |
| Car front wall, skirt panel (if any) | Rose gold hairline stainless steel |
| Car side wall | Rose gold mirror stainless steel, rose gold hairline etching (MSK-141) stainless steel |
| Car rear wall | Rose gold mirror-etched stainless steel (MSK-143), rose gold hairline stainless steel |
| Car door | Rose gold mirror stainless steel |
| Composite plastic floor | FSJ-007 |
| Control panel | lintegrated control panel, C221YA (front), rose gold hairline stainless steel, C221WA (side), rose gold hairline stainless steel |

VR panoramic car



## BLT-K296A
The standard configuration

| | |
|---|---|
| Car ceiling | PS018, hairline stainless steel, LED downlight |
| Car front wall, door lintel, car door, car walls on both sides, skirt panel (if any) | Hairline stainless steel |
| Car rear wall | Hairline stainless steel + mirror etched stainless steel MJK-004 + hairline stainless steel |
| Plastic floor | SJ-026 parquet; no handrail |
| Control panel | C221YA (front), C221WA (side), integrated control panel, hairline stainless steel |

VR panoramic car

# CAR DECORATION

## BLT–K297

| | |
|---|---|
| Car ceiling | PD076, mirror stainless steel, LED downlight, acrylic plate |
| Car front wall, door lintel, car door, car walls on both sides, skirt panel (if any) | Hairline stainless steel |
| Car rear wall | Hairline stainless steel + middle mirror stainless steel |
| Plastic floor | FSJ-038; without handrail |
| Control panel | C221YA (front), C221WA (side), integrated control panel, hairline stainless steel |

VR panoramic car
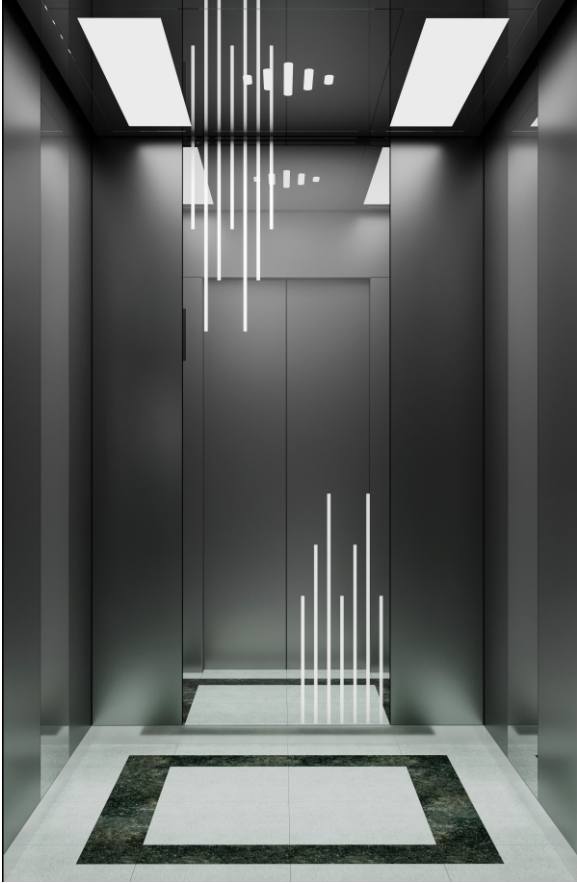
## BLT–K299

| | |
|---|---|
| Car ceiling | PD077, mirror stainless steel, strip decoration, acrylic plate |
| Car front wall, door lintel, car door, skirt panel (if any) | Titanium black sandblasted stainless steel; |
| Car side wall | Titanium black sandblasted stainless steel + middle mirror stainless steel |
| Car rear wall | Titanium black sandblasted stainless steel + middle mirror etched stainless steel MJK-001 |
| Plastic floor | SJ-026 parquet; no handrails; |
| Control panel | C221YA (front), C221WA (side), integrated control panel, titanium black sandblasted stainless steel |

VR panoramic car

## BLT–K298

| | |
|---|---|
| Car ceiling | PD076, rose gold mirror stainless steel, LED downlight, acrylic plate |
| Car front wall, door lintel, car door, car walls on both sides, skirt panel (if any) | Rose gold hairline stainless steel |
| Car rear wall | Rose gold hairline stainless steel + middle mirror stainless steel |
| Plastic floor | FSJ-039; without handrail |
| Control panel | C221YA (front), C221WA (side), integrated control panel, rose gold hairline stainless steel |

VR panoramic car

## BLT–K300

| | |
|---|---|
| Car ceiling | PD076, mirror stainless steel, LED downlight, acrylic plate |
| Car front wall, door lintel, skirt panel (if any) | Hairline stainless steel; car door: mirror stainless steel |
| Car side wall | Hairline stainless steel + middle mirror stainless steel |
| Car rear wall | Hairline stainless steel + middle mirror etched stainless steel MJK-004 |
| Plastic floor | FSJ-005 composite plastic floor, parquet; no handrail |
| Control panel | C221YA (front), C221WA (side), integrated control panel, hairline stainless steel |

VR panoramic car

# CAR DECORATION

## BLT-K301

| | |
|---|---|
| Car ceiling | PD079, Mirror stainless steel, LED downlight, Acrylic plate |
| Car front wall, door lintel | Hairline stainless steel |
| Car side wall | Hairline stainless steel+ middle mirror stainless steel |
| Car rear wall | Hairline stainless steel + mirror etched stainless steel MJK-001 + hairline stainless steel |
| Car door | Mirror stainless steel |
| Plastic floor | FSJ-043; no handrails |
| Control panel | C227Y（front）,integrated control panel,hairline stainless steel |

VR panoramic car

## BLT-G121A

| | |
|---|---|
| Upper and lower cover | Hairline stainless steel |
| Car ceiling | PD015 hairline stainless steel |
| Car wall, Car front wall | Hairline stainless steel |
| Door lintel | Hairline stainless steel |
| Car side wall | Clear laminated safety glass with frame+ Hairline stainless steel +Clear laminated safety glass with frame |
| Car rear wall | Clear laminated safety glass with hairline stainless steel frame |
| Car door | Hairline stainless steel |
| Composite plastic floor | MA-025 |
| Handrail | Stainless steel flat handrail |

VR panoramic car

## BLT-K303

| | |
|---|---|
| Car ceiling | PD078,Mirror stainless steel, Acrylic lighting,Acrylic plate light box |
| Car front wall, door lintel, skirt panel (if any) | Mirror stainless steel |
| Car side wall | Titanium black hairline stainless steel+ middle mirror stainless steel |
| Car rear wall | Titanium black hairline stainless steel+ middle mirror etched stainless steel MJK-003 |
| Car door | Mirror stainless steel |
| Plastic floor | DLS-039; no handrails |
| Control panel | C227Y（front）,integrated control panel,mirror stainless steel |

VR panoramic car

## BLT-G122A

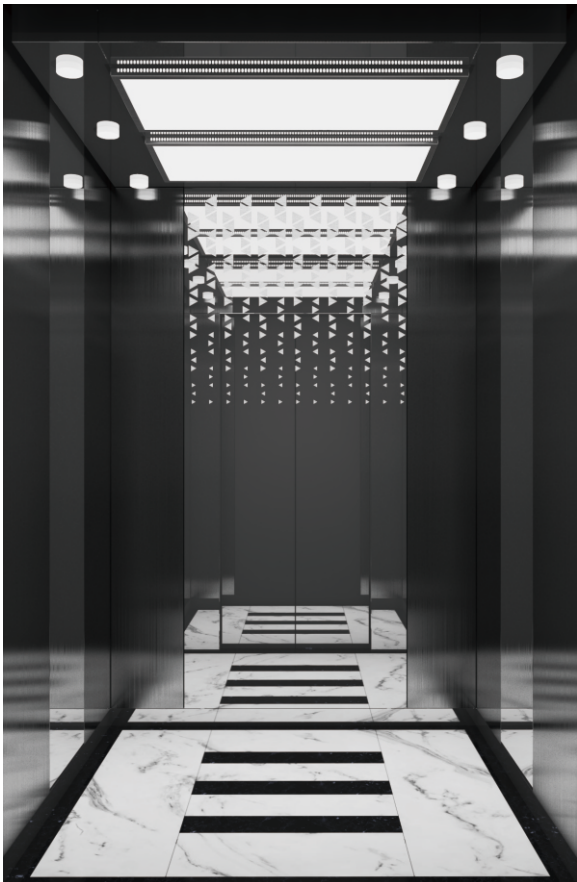| | |
|---|---|
| Upper and lower cover | Hairline stainless steel |
| Car ceiling | PD015 hairline stainless steel |
| Car wall, Car front wall | Clear laminated safety glass with hairline stainless steel frame |
| Car side wall | Clear laminated safety glass with frame+Hairline stainless steel + Clear laminated safety glass with frame |
| Car rear wall | Clear laminated safety glass with hairline stainless steel frame |
| Car door | Hairline stainless steel |
| Composite plastic floor | MA-025 |
| Handrail | Stainless steel tube handrail |

VR panoramic car

# CAR DECORATION

## BLT-K501

| | |
|---|---|
| Car ceiling | PD067, Mirror Stainless Steel |
| Car wall | Painted steel sheet RAL1013, Mirror Stainless Steel |
| Car door | Rose Gold Mirror Stainless Steel |
| Floor | FSJ-045 Resin quartz floor |

VR panoramic car



## BLT-K503

| | |
|---|---|
| Car ceiling | PD067, Mirror Stainless Steel |
| Car wall | Painted steel sheet RAL7047, Mirror Stainless Steel |
| Car door | Hairline Stainless Steel |
| Floor | FSJ-002 Resin quartz floor |

VR panoramic car

## BLT-K502

| | |
|---|---|
| Car ceiling | PD067, Mirror Stainless Steel |
| Car wall | Painted steel sheet RAL7004, Mirror Stainless Steel |
| Car door | Hairline Stainless Steel |
| Floor | FSJ-045 Resin quartz floor |

VR panoramic car



## BLT-K504

| | |
|---|---|
| Car ceiling | PD143, Mirror Stainless Steel |
| Car wall | Hairline Stainless Steel, Mirror Stainless Steel |
| Car door | Hairline Stainless Steel |
| Floor | FSJ-038 Resin quartz f loor |

VR panoramic car

# CAR DECORATION

## BLT-K505

| | |
|---|---|
| Car ceiling | PD142, Mirror Stainless Steel |
| Car wall | Mirror Etched Stainless Steel MSK-001, Mirror Stainless Steel |
| Car door | Mirror Etched Stainless Steel MSK-001 |
| Floor | MA-025 Resin quartz floor |

VR panoramic car

## BLT-K507

| | |
|---|---|
| Car ceiling | PD142, Hairline Stainless Steel |
| Car wall | Embossed Stainless Steel(Grid Texture), Mirror Stainless Steel |
| Car door | Hairline Stainless Steel |
| Floor | DLS-055 Marble/FSJ-063 Resin quartz floor |

VR panoramic car

## BLT-K506

| | |
|---|---|
| Car ceiling | PD142, Hairline Stainless Steel |
| Car wall | Embossed Stainless Steel(Linen Texture), Mirror Stainless Steel |
| Car door | Hairline Stainless Steel |
| Floor | FSJ-045 Resin quartz floor |

VR panoramic car

## BLT-K508

| | |
|---|---|
| Car ceiling | PD142, Hairline Stainless Steel |
| Car wall | Embossed Stainless Steel(Leather Texture), Mirror Stainless Steel |
| Car door | Hairline Stainless Steel |
| Floor | SJ-025 Resin quartz floor |

VR panoramic car

# CAR DECORATION

## BLT-K509

| | |
|---|---|
| Car ceiling | PD142, Bronze Hairline Stainless Steel |
| Car wall | Bronze Hairline Stainless Steel |
| Car door | Bronze Hairline Stainless Steel |
| Floor | DLS-056 Marble/FSJ-064 Resin quartz floor |

VR panoramic car

## BLT-K511

| | |
|---|---|
| Car ceiling | PD142, Bronze Hairline Stainless Steel |
| Car wall | Hairline Stainless Steel |
| Car door | Hairline Stainless Steel |
| Floor | MA-025 Resin quartz floor |

VR panoramic car

## BLT-K510

| | |
|---|---|
| Car ceiling | PD078, Titanium Black Hairline Stainless Steel |
| Car wall | Titanium Black Hairline Stainless Steel, Mirror Stainless Steel |
| Car door | Titanium Black Hairline Stainless Steel |
| Floor | DLS-039 Marble/FSJ-057 Resin quartz floor |

VR panoramic car

## BLT-K512

| | |
|---|---|
| Car ceiling | PD142, Hairline Stainless Steel |
| Car wall | Mirror Etched Stainless Steel, Hairline Stainless Steel |
| Car door | Mirror Etched Stainless Steel |
| Floor | DLS-056 Marble/FSJ-064 Resin quartz floor |

VR panoramic car

# CAR DECORATION

## BLT-K513

| | |
|---|---|
| Car ceiling | PD142, Hairline Stainless Steel |
| Car wall | Mirror Etched Stainless Steel MSK-118, Hairline Stainless Steel |
| Car door | Mirror Etched Stainless Steel MSK-118 |
| Floor | DLS-056 Marble/FSJ-064 Resin quartz floor |

VR panoramic car

## BLT-K515

| | |
|---|---|
| Car ceiling | PD142, Titanium Black Hairline Stainless Steel |
| Car wall | Titanium Black Mirror Etched Stainless Steel MSK-009, Titanium Black Mirror Stainless Steel |
| Car door | Titanium Black Mirror Stainless Steel |
| Floor | DLS-057 Marble/FSJ-065 Resin quartz floor |

VR panoramic car

## BLT-K514

| | |
|---|---|
| Car ceiling | PD078, Mirror Stainless Steel |
| Car wall | Rose Gold Etched Stainless Steel MJM-005, Rose Gold Hairline Stainless Steel |
| Car door | Rose Gold Hairline Stainless Steel |
| Floor | DLS-056 Marble/FSJ-064 Resin quartz floor |

VR panoramic car

## BLT-K516

| | |
|---|---|
| Car ceiling | PD067, Mirror Stainless Steel |
| Car wall | Special process stainless steel (MIJ-006), Titanium Black Mirror Stainless Steel |
| Car door | Titanium Black Hairline Stainless Steel |
| Floor | DLS-058 Marble/FSJ-066 Resin quartz floor |

VR panoramic car

# CAR DECORATION

## BLT-K517

| | |
|---|---|
| Car ceiling | PD125, Mirror Stainless Steel |
| Car wall | Titanium Black Mirror Etched Stainless Steel MJM-004, Mirror Stainless Steel |
| Car door | Mirror Stainless Steel |
| Floor | DLS-058 Marble/FSJ-066 Resin quartz floor |

VR panoramic car



## BLT-K520

| | |
|---|---|
| Car ceiling | PD136,Hairline Stainless Steel |
| Car wall | Coated Steel Plate MFM-008, Mirror Stainless Steel |
| Car door | Hairline Stainless Steel |
| Floor | FSJ-002 Resin quartz floor |

VR panoramic car

## BLT-K519

| | |
|---|---|
| Car ceiling | PD067, Mirror Stainless Steel |
| Car wall | Coated Steel Plate MFM-010, Titanium Black Hairline Stainless Steel |
| Car door | Titanium Black Hairline Stainless Steel |
| Floor | DLS-058 Marble/FSJ-066 Resin quartz floor |

VR panoramic car



## BLT-K521

| | |
|---|---|
| Car ceiling | PD142, Hairline Stainless Steel |
| Car wall | Coated Steel Plate MFM-007, Hairline Stainless Steel |
| Car door | Hairline Stainless Steel |
| Floor | FSJ-005 Resin quartz floor |

VR panoramic car

# CAR DECORATION

## BLT−K522

| Car ceiling | PD125, Hairline Stainless Steel |
|---|---|
| Car wall | Coated Steel Plate MFM−005, Mirror Stainless Steel |
| Car door | Hairline Stainless Steel |
| Floor | DLS−056 Marble/FSJ−064 Resin quartz floor |

VR panoramic car



## BLT−K524

| Car ceiling | Brown Hairline Stainless Steel, Brown Mirror Stainless Steel, LED downlight |
|---|---|
| Car wall | Brown Hairline Stainless Steel, Brown Mirror Etched Stainless Steel, LED light strip |
| Car door | Brown Hairline Stainless Steel |
| Floor | Marble/Resin quartz floor |

VR panoramic car

## BLT−K523

| Car ceiling | Painted steel sheet, LED downlight, LED light strip |
|---|---|
| Car wall | Wood veneer, metal strip |
| Car door | Hairline Stainless Steel |
| Floor | Resin quartz floor |

VR panoramic car



## BLT−K525

| Car ceiling | Painted steel sheet, LED downlight |
|---|---|
| Car wall | Titanium Black Hairline Stainless Steel, Rose Gold Hairline Stainless Steel, LED light strip |
| Car door | Titanium Black Hairline Stainless Steel |
| Floor | Marble/Resin quartz floor |

VR panoramic car

# CAR DECORATION

## CEILING DESIGN

PD076 Security windows can be added
Painted Steel or Stainless Steel
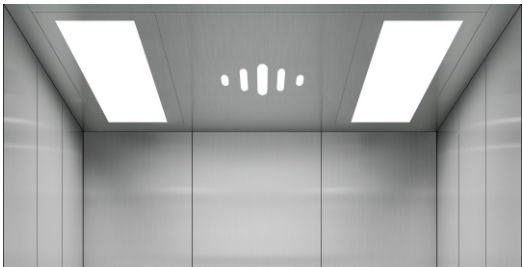
PD077 Security windows can be added
Painted Steel or Stainless Steel

PD078 Security windows are optional
Painted Steel or Stainless Steel

PD142 Security windows can be added
Painted Steel or Stainless Steel

PD134 Security windows are optional
Painted Steel or Stainless Steel
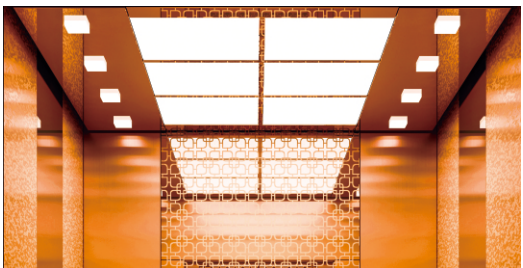
PD136 Security windows are optional
Painted Steel or Stainless Steel

## MATERIAL DESIGN

MJM-004（Etched）
MJM-005（Etched）
MJM-006（Etched）
MJM-004（Etched）
MSK-143（Etched）
MJM-009（Etching + mirror stainless steel decoration）
MSK-141（Etched）
MSK-142（Etched）

Titanium black hairline stainless steel decoration
Hairline stainless steel decoration
Titanium mirror stainless steel decoration
Mirror stainless steel decoration
RAL2003（Painted steel sheet）
RAL6019（Painted steel sheet）
RAL6027（Painted steel sheet）
RAL7047（Painted steel sheet）

RAL7004（Painted steel sheet）
RAL1034（Painted steel sheet）
RAL1013（Painted steel sheet）
RAL9003（Painted steel sheet）
RAL5024（Painted steel sheet）

## HANDRAIL DESIGN

BLT-H005 Mirror stainless steel handrail

BLT-H006 Mirror stainless steel,Acrylic, titanium golden mirror stainless steel handrail

BLT-H007 Mirror Stainless steel handrail(Three tubes)

BLT-H011 Stainless steel handrail (Sectional variation of diameter)

BLT-H009 Hairline stainless steel flat handrail

BLT-H012 Mirror Stainless steel ,sand blasting stainless steel handrail(Middle section frosting)

BLT-H120 Hairline Stainless steel handrail

## FLOOR DESIGN

SJ-026
FSJ-001
FSJ-038

DLS-029A FSJ-060
DLS-008 FSJ-050
DLS-013 FSJ-052

FSJ-007
FSJ-005
FSJ-039

DLS-029 FSJ-055
DLS-022 FSJ-054
DLS-110 FSJ-059

Note: SJ and FSJ are plastic series, DLS is marble series

# DECORATION SERIES

## HMI

Business · Simplicity · Modern · Classic

## Steady and stylish, with inherent strength

Daring to lead the edge of the era
and setting the fashion trend,
the enchanting bright lines
exude a luxurious sense
of metal solidity.

## A COMPLETE SET OF PRODUCTS PERFECTLY MATCHED

Integrated, split type COP panel,
single elevator / parallel LOP.
hall lanterns, internal and external
wall indicator, firemans switch box

## CHOI-V
### BRILLIANT
Small Machine Room Passenger Elevator

### BLT-BVT

Integrated control panel

Y-Front wall installation

W-Sidewall installation

### C221

Integrated control panel

Y-Front wall installation

W-Sidewall installation
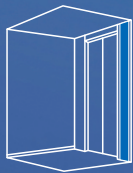
C233
6.4" LCD
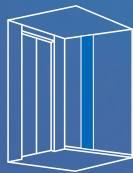
C227
8.4" TFT（162x122）

C227
10.4" TFT（214x161）

### C195QA
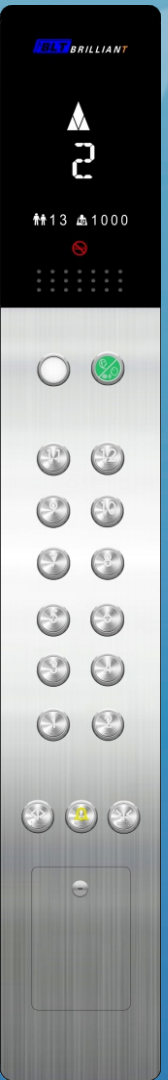
Embedded control panel

Front wall installation

Sidewall installation

C201QA
6.4" LCD

C203QA
6.4" LCD

## Material description

Panel material:Hairline stainless steel panel
Button style:The button glows blue light by default

## Button configuration

With Braille

Without Braille

Without Braille

With Braille

# CAR DECORATION

## WALL MOUNTED TYPE LOP
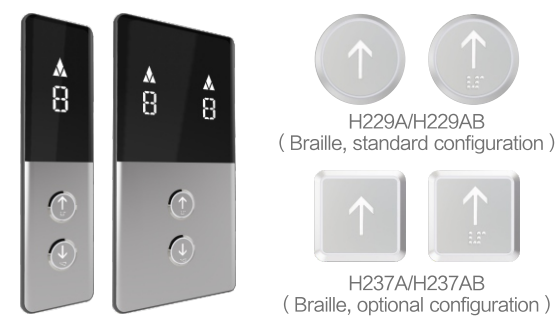
**H229A/H229AB**
（Braille, standard configuration）

**H237A/H237AB**
（Braille, optional configuration）

Direction representation:Dynamic, LED segment code display
Floor display:Static, LED segment code display
Panel material:304 matte anti-fingerprint stainless steel

**H208A**
（Braille, standard configuration）

Direction representation:Dynamic, LED segment code display
Floor display:Static, LED segment code display
Panel material:304 matte anti-fingerprint stainless steel

**H181A/H181AB**

**H182A/H182AB**

Direction representation:Static, color LCD
Floor display:Static, color LCD
Panel material:304 hairline stainless steel

**H211A**

Direction representation:Dynamic, segment code LCD
Floor display:Static, color LCD
Panel material:304 short hairline stainless steel

**H234A**

Direction:Dynamic、LED segment code display
Floor display:Static、LED segment code display
Panel material:Black toughened glass

**H235A**

Direction:Dynamic、segment code LCD
Floor display:Static、segment code LCD
Panel material:White toughened glass

**H238A**

Direction:Dynamic、LED segment code display（Default white light, red light, orange light can be specified）
Floor display:Static、LED segment code display（Default white light, red light, orange light can be specified）Panel material:Black toughened glass

**HB333**

**H124C**

Panel material:
304 hairline stainless steel panel

## HALL LANTERN

**HD023**
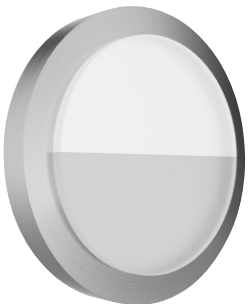
**HD026**

### Material description

| | |
|---|---|
| HD023 | Acrylic even plate,Vertical installation,Ultra-thin wall mounted type,Hall lantern (optional hall lantern with gong),White column lamp |
| HD026 | Hairline stainless steel,Vertical installation,Ultra-thin wall mounted type,Hall lantern, White semicircular lamp |

## FIREMANS SWITCH BOX

## WALL MOUNTED INDICATORS

**HF004**
Short hairline stainless steel

**HF008**
Veneer material is black plexiglass

**H137G**
Hairline stainless steel panel segment code LCD display

**H198G**
Hairline stainless steel panel segment code LCD display

**H130G**
Hairline stainless steel panel Color LCD display

### HANDICAP CONTROL PANEL DESIGN

### C226G

Panel material:304 short hairline stainless steel
Button style:Circular Braille button

# TECHNICAL PARAMETERS FOR PASSENGER ELEVATOR(MR)

## Door opening, car, shaft

| | Number of passengers | Rated load（kg） | Rated speed (m/s) | Car size (width × depth × height) | Door opening size (width × height) | Shaft dimension Dimensions of the machine room (mm) |
|---|---|---|---|---|---|---|
| Rear CWT series | 5 | 400 | 1.0–2.5 | 1000 × 1000 × CH | CO 700 × 2100 | shaft1550 × 1525 |
| | | | | | | machine room1700 × 1525 |
| | 6 | 450 | 1.0–2.5 | 1250 × 1000 × CH | CO 700 × 2100 | shaft1700 × 1525 |
| | | | | | | machine room1850 × 1525 |
| | | | 1.0–2.5 | 1000 × 1250 × CH | CO 700 × 2100 | shaft1550 × 1775 |
| | | | | | | machine room1700 × 1775 |
| | 8 | 630 | 1.0–2.5 | 1400 × 1100 × CH | CO 800 × 2100 | 1850 × 1700 |
| | | | 1.0–2.5 | 1100 × 1400 × CH | CO 800 × 2100 | 1750 × 2000 |
| | 10 | 800 | 1.0–2.5 | 1350 × 1400 × CH | CO 800 × 2100 | 1800 × 2000 |
| | | | 1.0–2.5 | 1400 × 1350 × CH | CO 800 × 2100 | 1850 × 1950 |
| | 12 | 900 | 1.0–2.5 | 1600 × 1350 × CH | CO 900 × 2100 | 2050 × 1950 |
| | | | 1.0–2.5 | 1600 × 1350 × CH | CO 1000 × 2100 | 2150 × 1950 |
| | 13 | 1000 | 1.0–2.5 | 1500 × 1500 × CH | CO 900 × 2100 | 1950 × 2100 |
| | | | 1.0–2.5 | 1600 × 1400 × CH | CO 900 × 2100 | 2050 × 2000 |
| | | | 1.0–2.5 | 1600 × 1400 × CH | CO 1000 × 2100 | 2150 × 2000 |
| | | | 1.0–2.5 | 1600 × 1500 × CH | CO 900 × 2100 | 2050 × 2100 |
| | | | 1.0–2.5 | 1600 × 1500 × CH | CO 1000 × 2100 | 2150 × 2100 |
| | | | 1.0–2.5 | 2100 × 1100 × CH | CO 1100 × 2100 | 2550 × 1700 |
| | 15 | 1150 | 1.0–2.5 | 1800 × 1450 × CH | CO 1000 × 2100 | 2250 × 2050 |
| | 18 | 1350 | 1.0–2.5 | 2000 × 1500 × CH | CO 1100 × 2100 | 2550 × 2150 |
| | 21 | 1600 | 1.0–2.5 | 2000 × 1750 × CH | CO 1100 × 2100 | 2550 × 2400 |
| | 26 | 2000 | 1.0–2.5 | 2000 × 2000 × CH | CO 1100 × 2100 | 2550 × 2700 |
| | 33 | 2500 | 1.0 | 2000 × 2400 × CH | CO 1100 × 2100 | 2550 × 3100 |
| Side CWT series | 5 | 400 | 1.0–2.5 | 1000 × 1000 × CH | CO 700 × 2100 | shaft1670 × 1515 |
| | | | | | | machine room1670 × 1785 |
| | 6 | 450 | 1.0–2.5 | 1000 × 1250 × CH | CO 700 × 2100 | shaft1670 × 1630 |
| | | | | | | machine room1670 × 1900 |
| | 8 | 630 | 1.0–2.5 | 1100 × 1400 × CH | CO 800 × 2100 | 1890 × 1770 |
| | 10 | 800 | 1.0–2.5 | 1350 × 1400 × CH | CO 800 × 2100 | 2020 × 1800 |
| | 13 | 1000 | 1.0–2.5 | 1100 × 2100 × CH | CO 900 × 2100 | 2000 × 2500 |
| | 18 | 1350 | 1.0–2.5 | 1500 × 2000 × CH | CO 1100 × 2100 | 2450 × 2500 |
| | 21 | 1600 | 1.0–2.5 | 1400 × 2400 × CH | CO 1100 × 2100 | 2400 × 2900 |
| | 26 | 2000 | 1.0–2.5 | 1500 × 2700 × CH | CO 1100 × 2100 | 2500 × 3200 |

Note: CH – The net height of the elevator car. When there is a ceiling (PD series ceiling), CH is 2350/2450, and when there is no ceiling (PS series ceiling), CH is 2380/2480.

## Headroom height and pit depth

| | Rated load（kg） | Rated speed (m/s) | Headroom height(mm) | | | | Depth of pit (mm) |
|---|---|---|---|---|---|---|---|
| | | | Car ceiling | | No car ceiling | | |
| | | | Net height of elevator car 2350(mm) | Net height of elevator car 2450(mm) | Net height of elevator car 2380(mm) | Net height of elevator car 2480(mm) | |
| Rear CWT series / Side CWT series | 400–450 | 1.0 | 4050 | 4150 | 3950 | 4050 | 1200 |
| | | 1.6 | 4200 | 4300 | 4100 | 4200 | 1300 |
| | | 1.75 | 4250 | 4350 | 4150 | 4250 | 1350 |
| | | 2.0 | 4350 | 4450 | 4250 | 4350 | 1450 |
| | | 2.5 | 4600 | 4700 | 4500 | 4600 | 1650 |
| Rear CWT series | 630–1150 | 1.0 | 4000 | 4100 | 3900 | 4000 | 1200 |
| | | 1.6 | 4150 | 4250 | 4050 | 4150 | 1300 |
| | | 1.75 | 4200 | 4300 | 4100 | 4200 | 1350 |
| | | 2.0 | 4350 | 4450 | 4250 | 4350 | 1450 |
| | | 2.5 | 4600 | 4700 | 4500 | 4600 | 1650 |
| Side CWT series | | 1.0 | 3850 | 3950 | 3750 | 3850 | 1200 |
| | | 1.6 | 4000 | 4100 | 3950 | 4000 | 1300 |
| | | 1.75 | 4050 | 4150 | 4000 | 4050 | 1350 |
| | | 2.0 | 4150 | 4250 | 4050 | 4150 | 1450 |
| | | 2.5 | 4450 | 4500 | 4450 | 4450 | 1650 |
| Rear CWT series / Side CWT series | 1350–1600 | 1.0 | —— | 4100 | —— | 4000 | 1350 |
| | | 1.6 | —— | 4250 | —— | 4150 | 1450 |
| | | 1.75 | —— | 4300 | —— | 4200 | 1500 |
| | | 2.0 | —— | 4450 | —— | 4350 | 1600 |
| | | 2.5 | —— | 4700 | —— | 4600 | 1800 |
| | 2000 | 1.0 | —— | 4150 | —— | 4050 | 1350 |
| | | 1.6 | —— | 4300 | —— | 4200 | 1450 |
| | | 1.75 | —— | 4400 | —— | 4300 | 1500 |
| | | 2.0 | —— | 4500 | —— | 4400 | 1600 |
| | | 2.5 | —— | 4750 | —— | 4650 | 1800 |
| | 2500 | 1.0 | —— | 4150 | —— | 4050 | 1350 |

Power supply: three–phase AC380V–50Hz; Lighting power supply: single–phase AC220–50Hz
Note: If you need a trap door, please contact our sales staff.

# TECHNICAL PARAMETERS FOR PASSENGER ELEVATOR(MRL)

Door opening, car, shaft

| Number of passengers | Rated load (kg) | Rated speed (m/s) | Car size (width × depth × height) | Door opening size (width ×height) | Shaft dimension Dimensions of the machine room (mm) |
|---|---|---|---|---|---|
| 5 | 400 | 1.0–1.75 | 1000×1000×CH | CO 700×2100 | 1550×1450 |
| | | | | 2S 800×2100 | 1550×1500 |
| 6 | 450 | 1.0–1.75 | 1000×1250×CH | CO 700×2100 | 1550×1600 |
| 8 | 630 | 1.0–2.0 | 1100×1400×CH | CO 800×2100 | 1835×1750 |
| | | | | 2S 800×2100 | 1690×1850 |
| 10 | 800 | 1.0–2.0 | 1350×1400×CH | CO 800×2100 | 1960×1750 |
| 13 | 1000 | 1.0–2.0 | 1600×1400×CH | CO 900×2100 | 2200×1750 |
| | | | 1100×2100×CH | CO 900×2100 | 1950×2450 |
| 15 | 1150 | 1.0–2.0 | 1700×1500×CH | CO 1000×2100 | 2430×1950 |
| | | | 1800×1450×CH | CO 1000×2100 | 2500×1900 |
| 17 | 1275 | 1.0–2.0 | 1400×2000×CH | CO 1000×2100 | 2300×2400 |
| 18 | 1350 | 1.0–2.0 | 2000×1500×CH | CO 1100×2100 | 2700×1950 |
| | | | 1500×2000×CH | CO 1100×2100 | 2450×2400 |
| 21 | 1600 | 1.0–2.0 | 2100×1600×CH | CO 1100×2100 | 2845×2000 |
| | | | 1750×2000×CH | CO 1100×2100 | 2575×2400 |
| | | | 1400×2400×CH | 2S 1300×2100 | 2350×2900 |

Note: CH – The net height of the elevator car. When there is a ceiling (PD series ceiling), CH is 2350/2450, and when there is no ceiling (PS series ceiling), CH is 2380/2480.

Headroom height and pit depth

| Rated load (kg) | Rated speed (m/s) | Headroom height(mm) | | | | Depth of pit (mm) |
|---|---|---|---|---|---|---|
| | | Car ceiling | | No car ceiling | | |
| | | Net height of elevator car 2350(mm) | Net height of elevator car 2450(mm) | Net height of elevator car 2380(mm) | Net height of elevator car 2480(mm) | |
| 400–1150 | 1.0 | 3950 | 4050 | 3850 | 3950 | 1200 |
| | 1.6 | 4150 | 4250 | 4050 | 4150 | 1350 |
| | 1.75 | 4200 | 4300 | 4150 | 4200 | 1350 |
| | 2.0 | 4300 | 4400 | 4300 | 4300 | 1450 |
| 1275–1600 | 1.0 | 4000 | 4100 | 3900 | 4000 | 1300 |
| | 1.6 | 4200 | 4300 | 4100 | 4200 | 1400 |
| | 1.75 | 4250 | 4350 | 4200 | 4250 | 1450 |
| | 2.0 | 4400 | 4450 | 4400 | 4400 | 1500 |

Power supply: three–phase AC380V–50Hz; Lighting power supply: single–phase AC220–50Hz
Note: If you need a trap door, please contact our sales staff.

# PASSENGER ELEVATOR FUNCTION LIST

## Standard function

| Full collective selective control | During automatic operation, the elevator responds to internal calls while also automatically responding to external up and down call button signals. Any passenger on a service floor can summon the elevator by registering an up or down call signal. |
| --- | --- |
| Door open time setting | The system can automatically distinguish and set different hold-open times for door calls, such as call-to-open, command-to-open, door protection open, and delayed open, based on predefined settings. |
| Service floor setting | The system allows for the flexible activation or deactivation of service floors as needed, enabling certain floors to be selectively included or excluded from the elevator service range. |
| Timing service | The system offers flexible scheduling for service periods, allowing for specific time slots and corresponding floors to be set for time-based service. |
| Door preclose by the door close button | During automatic operation, doors can be closed ahead of time using the close button to enhance efficiency. |
| Light curtain protection | Elevator doors are equipped with a light curtain safety feature that halts the closing process if an obstruction is detected, although this function is disabled during fire emergency modes. |
| Car energy saving | When the set time is exceeded without any operational command, the lighting and fan power inside the car will be automatically cut off. |
| Automatic door open upon door lock abnormality | During the door opening and closing process, if an abnormality is detected in the door lock circuit, the system will automatically re-initiate the door operation. After a set number of door operation attempts, a fault message will be displayed to indicate the issue. |
| Landing at another floor | If the elevator remains open beyond the designated door holding time without receiving a valid door closed signal, it will transition to closing the doors. After the doors are closed, the elevator will automatically register and proceed to the nearest floor call. |
| Response and landing during acceleration | The system accommodates elevator car intercepts during acceleration, automatically responding to service floor commands registered at that time. |
| Cancellation of wrong car calls | Passengers can cancel a mistakenly registered command by pressing the command button twice in succession. |
| Attendant running | Entering system operation mode, the elevator's operational controls are completed by the system. |
| Self-rescue at low speed | When the elevator is not in maintenance mode and is not stopped at a landing area, it will automatically move at a slow speed to the nearest landing area and then open the doors, provided that it meets the safety requirements for operation. |
| Button stuck diagnosis | The system can detect when hall call buttons are stuck and automatically eliminate these stuck calls to prevent the elevator from being unable to close its doors due to a button being stuck. |
| Startup torque automatic compensation | Before the elevator begins its journey, it automatically compensates for the current load within the cabin to ensure a smooth start, enhancing the overall comfort of the ride. |
| Direct landing | The elevator's operational curve is calculated automatically based on distance, ensuring direct and smooth leveling at floors without any crawling motion. |
| The best curve automatic generation | The elevator automatically calculates the most suitable speed curve based on distance, aligning with the principles of human-machine functionality. |
| Record of running times | In the automatic operation mode, the elevator is capable of autonomously logging the number of trips it makes. |
| Record of running time | It can automatically record the actual operating time of the elevator. |
| Independent travel (VIP) | The elevator does not respond to hall calls but only responds to calls from within the car. |
| Overload indication | When the elevator's load exceeds the rated capacity, the elevator will remain open, and there will be an overload warning inside the car. |
| Full load indication | When the elevator is fully loaded, an external call will display a full load status, and the elevator will only respond to internal calls. |
| Full-load direct drive | When fully loaded, the external call indicates 'full-load' status, and the elevator only responds to internal call signals. |
| Electronic weighing | The elevator uses an electronic weighing device to accurately measure the load within the elevator. |
| Non--leveling zone protection | If the system detects that the hall or car doors are open while the elevator is not in the door-opening zone, it will halt all movement of the car. |
| Fault data record | The system can automatically record detailed information about malfunctions, improving maintenance efficiency. |
| Simple maintenance keypad | Commissioning personnel can use the keyboard on the control panel to perform debugging functions for elevator operation floors, door opening and closing, etc. |
| Hoistway self-learning function | Before its first automatic operation, the system needs to self-learn the parameters of the leveling process. The elevator travels from the lowest floor to the highest floor at inspection speed, automatically recording all shaft parameters during the journey. |
| Inspection running | When the elevator enters the maintenance mode, the system deactivates automatic operation and automatic door functions. Pressing the up or down button allows the elevator to operate at maintenance speed in a jog mode. |
| Emergency electric running | When the elevator enters the emergency power operation mode, the system deactivates automatic operation and automatic door functions. By pressing the up or down button, the elevator can be operated at emergency power speed in a jog mode. |
| Motor parameters tuning | The system can complete the learning of motor-related control parameters under loaded or unloaded conditions through simple parameter settings. |

| Intelligent floor position correction | Each time the elevator reaches an end station, the system automatically corrects the cabin's position information using the first-level forced deceleration switch, in conjunction with the forced deceleration system, to completely eliminate the risk of over-traveling or bottoming out. |
| --- | --- |
| Emergency operation in case of fire | In automatic operation mode, upon receiving a fire alarm signal, the elevator will cancel all registered call commands and return to the fireman's landing, remaining with the doors open. |
| Firefighter operation mode | In automatic operation mode, when the elevator enters firefighter operation mode, there are no automatic door opening and closing actions. Doors can only be operated by continuously pressing the door open/close buttons. During this mode, the elevator responds only to commands from within the car, and only one command can be registered at a time. The standard functionality includes a maximum running time of less than 60 seconds per trip. |
| Fire feedback | When the elevator returns to the fire service floor after receiving a fire signal or firefighter signal, it provides a relay output interface for feedback to the fire control center or BAS system. |
| Emergency operation indication | During an emergency fire operation, the external call operation indicator will show that the elevator is in emergency fire operation mode. |
| Elevator locking | In automatic operation mode, when the elevator lock switch is activated, the elevator returns to the designated lock station and stops automatic operation. |
| Fault level processing | The system categorizes fault information based on the extent of the impact, with different types of faults requiring different handling approaches, enhancing the efficiency of system operations. |
| Overspeed prevention | The elevator continuously monitors its operating state and will immediately halt operation and apply brakes if overspeeding is detected, ensuring safety. |
| Terminal verification | When the system detects an abnormal position, it will run to the terminal station for verification to ensure the safety and reliability of the system. |
| Priority for evacuation | The elevator automatically categorizes faults and prioritizes returning to the nearest floor level to open the door and allow passengers to exit, ensuring their safety in the event of a malfunction. |
| Interference assessment | The system evaluates the level of interference affecting the communication signal transmission, reflecting the current state of interference. |
| Anti-vandalism measures | If the elevator does not receive a signal from the light curtain after three or more consecutive normal stops, it is considered to be tampering. All cabin commands are canceled, and correct cabin commands need to be re-registered. |
| Current ramp removal | In the application of permanent magnet synchronous motors, the holding current of the motor is removed via a ramp after the elevator decelerates and stops, to avoid abnormal noise from the motor during this process. |
| Intercom (alarm system) | A five-way communication device is provided for the top of the car, inside the car, the pit, the machine room, and the monitoring room. |
| Cabin intercom alert | When passengers press the alarm bell in the car and the alarm has been acknowledged, a prompt message will inform the passengers. |
| Alarm bell | When the alarm bell button is pressed, the alarm bell rings. |
| User setting verification | This function allows you to search for system parameters that differ from the factory settings. |
| Special display features | If the user requests non-sequential floor display inside the elevator and at the hall stations, the system can be set to display floors according to the specified format. |
| Command and external call registration with memory display | When the call or command button is pressed once, the system will acknowledge the signal by lighting up the button, indicating the request has been registered, and the elevator will respond by initiating its journey. |
| Running direction and floor display | The car operating panel and call stations both display the current floor position of the elevator and its direction of travel. |
| Same floor command button for door opening | When the car door is closing or has closed, and the elevator has not yet started, pressing the call button on the current floor will automatically open the car door. |
| Same floor reverse call registration | If the call direction on the current floor is opposite to the elevator's direction of travel, that call will be registered. |
| Anti-slip protection | If the system detects slippage of the steel ropes, it will stop all operations of the elevator car. |
| Program run WDT (Watchdog Timer) protection | During program operation, the WDT constantly monitors for any program errors. If an error is detected, it cuts off all outputs and resets the system. |
| Power-off data retention | When the system experiences a power outage, all operational data is preserved intact. |
| Automatic return to base station | In automatic operation mode, if there are no cabin commands or hall calls within a certain period, the elevator returns to the home station to standby. If there are any commands or calls during the return to the home station, the elevator immediately responds. |
| Cabin emergency lighting | During a power outage, the emergency lighting inside the elevator cabin automatically illuminates. |
| Top of car emergency lighting | During a power outage, the emergency lighting on the elevator top automatically turns on. |
| Station stop indication | The floor display indicates that the elevator is in a non-operational (maintenance) state. |
| Door lock short circuit protection | In automatic mode, if the hall/car door interlock is short-circuited, the elevator stops operating and emits an alarm signal. The elevator can resume normal operation only after the short-circuit fault is cleared. |
| Brake monitoring function | The system automatically monitors the operation status of the brake to ensure the reliability of the braking system. |
| Bypass function for landing and car doors | To maintain the contacts of the landing and cabin doors (including the door lock contacts), the elevator can be put into a bypass state for the landing or cabin doors. |
| Car arrival gong | When the elevator reaches the destination floor as requested by passengers, it emits a signal to alert them. |

# PASSENGER ELEVATOR FUNCTION LIST

## Standard function

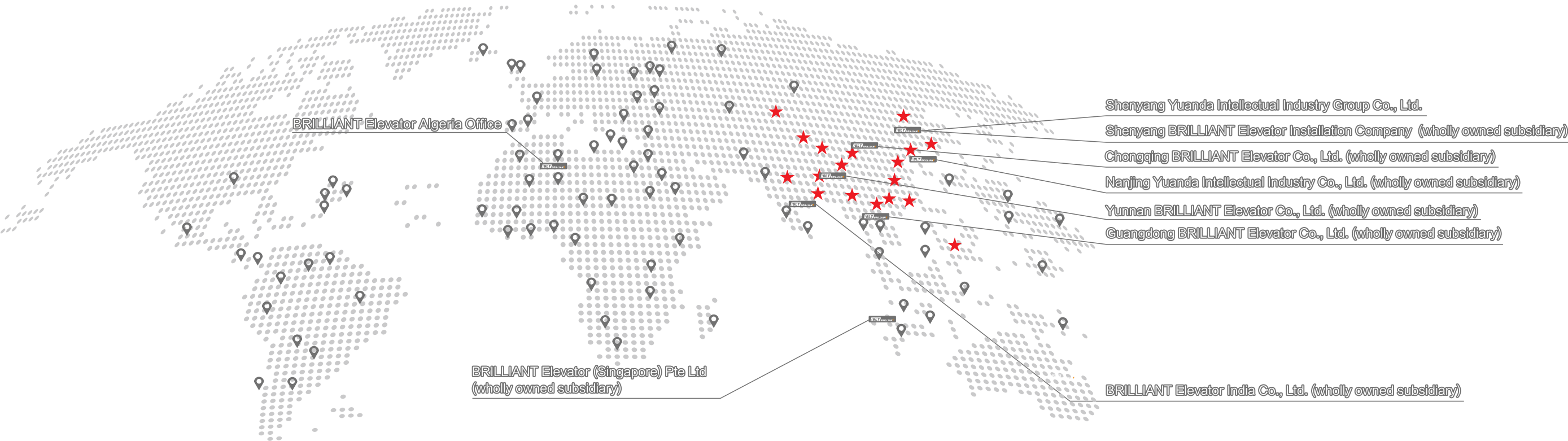| | |
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| Night mode arrival gong cancellation | When this function is activated, the elevator will disable the arrival chime feature within the set time range. |
| Car unintended movement protection | When the elevator is in the unlocking area and in an open door state, and the cabin leaves the floor station without any command, the detection subsystem issues a stop signal, effectively stopping the cabin to prevent accidental injury to personnel and equipment. |
| Early opening of doors | During automatic operation, the elevator opens the doors in advance during the leveling process as it approaches the destination floor station, thus maximizing elevator efficiency. |
| Re-leveling | When the elevator is docked at a floor, changes in load can cause leveling fluctuations and uneven landings, which can inconvenience passengers and freight. In such cases, the system allows the elevator to move to the leveling position at re-leveling speed while the doors are open. |
| Security floor function | The security floor feature requires the elevator to first travel to the designated security floor and open its doors upon every operation before it can continue to the intended destination floor, enhancing the safety measures. |
| Automatic elevator locking | By configuring the automatic elevator lock-out time periods, the elevator is programmed to automatically enter and exit the lock-out status as needed. (This requires setting specific parameters in the system.) |
| Car call button backlight | In standby mode, the car call buttons remain dimly lit for energy efficiency, and upon registering a floor selection, they brighten up. (The button lights automatically turn off to conserve energy when the elevator is in energy-saving mode.) |
| Voice announcement function | During the elevator's operation, it automatically announces information such as the direction of travel and the upcoming floor to passengers. (This feature requires configuration in the settings.) |
| Background music function | Pleasant music is played inside the cabin when the elevator starts operating. (This feature requires configuration in the settings.) |
| In-car voice broadcasting | When the elevator experiences a power outage, malfunction, requires position correction, initiates an emergency power restoration device, or receives a fire alarm signal, it will make voice announcements to inform and reassure passengers inside the cabin. |
| Additional braking devices | When the electromechanical working brake of the drive host machine fails, this device can limit the movement speed of the cabin stopping at any floor station. |
| Dynamic brake test | Simulating the failure of one set of braking components, the remaining braking components slow down, stop, and maintain the cabin in a stopped state, allowing independent testing of each set of braking components from outside the shaft. |
| Brake force monitoring | The control system regularly monitors the braking force of each set of brakes to ensure the reliability of the braking system. |
| Maintenance operation | The control system has a maintenance operation mode, which disables elevator floor calls and prevents responding to remote commands. It also cancels automatic door operations and provides end station calling for maintenance work. |
| Cabin fan and lighting control | Cabin lighting and fans can be turned on and off via the cabin command buttons, subject to parameter settings. |

## Optional function

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| Parallel operation*1 | Supports two elevators operating in parallel. In a parallel system, if an elevator cannot respond to a call command in time due to a fault, it automatically exits the parallel system and operates independently, without affecting the normal operation of other elevators. Supports 3-8 elevators in group control operation. |
| Group control operation*1 | In the group control system, if an elevator cannot timely respond to a command due to a malfunction, it automatically exits the group control system and operates independently, ensuring the normal operation of the group control system is not affected. When a group controller fault or communication fault leads to the failure of group control, it maintains the function of each elevator serving independently. |
| Decentralized Waiting Strategy | In parallel or group control mode, each elevator stops at different floors to await passengers. This option is available when the *1 function is enabled. |
| Peak Service Mode | During designated peak periods, if more than three cabin calls are triggered from a peak floor, the elevator enters peak service mode. In this mode, cabin calls from that peak floor remain active, and the elevator returns to that floor when idle. This feature allows for two independent peak periods to be set. Available when the *1 function is enabled. |
| Nearest Elevator Priority Service | When an elevator responds to a hall call, it prioritizes dispatching the closest car to that floor. This feature is optional with *1 functionality. |
| Integrated Light Curtain and Touch Plate Protection | Integrated light curtains and touch panel protection ensure that if either the light curtain or safety touch panel is activated, the doors will reopen. |

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| Forced Door Closing | When the forced closing function is activated, if the elevator cannot close due to the light curtain being triggered for longer than the set time, the elevator will enter a forced closing state, closing slowly and emitting an alert sound. |
| Earthquake Mode | When the earthquake detection device is activated and sends a signal to the system, the elevator will stop at the nearest floor and open its doors to let passengers out, ceasing its service. |
| Power Outage Emergency Leveling | When the power supply to the elevator is interrupted, a backup power source (battery) supplies power to control the elevator, bringing it to the nearest level and opening its doors, enabling stable and quick self-rescue operations. |
| Automatic Transfer Switch for Backup Power | An automatic switch device for backup power is provided. When the backup power signal is connected to the control system, the elevator moves to the nearest level and opens its doors. When the backup power signal is not connected to the control system, the elevator can operate normally. |
| Counterweight Safety Gear | A speed limiter and safety clamp are added to the counterweight side. |
| Travelling Cable with Ethernet Line | A CAT6 network cable can be reserved in the traveling cable, with the effective communication distance within the traveling cable not exceeding 80 meters. |
| Cabin Surveillance System*2 | A camera is installed in the cabin to monitor the interior, with the option to choose between an analog or digital camera (specification required). |
| Pre-wired Cabin Camera Interface | The cabin is equipped with a twisted pair video transmitter for analog cameras or a one-wire-through network data for digital cameras (specification required). Additionally, the corresponding cables are reserved in the traveling cable. This function is included with the *2 feature. |
| Auxiliary Control Panel in Cabin | This feature is designed for elevators with large load capacities to allow more passengers to use the cabin conveniently. |
| Through-door Function | This feature involves having two car doors, allowing passengers to enter the cabin from different directions either on the same floor with two doors or on different floors with different doors. |
| IC Card System | This allows for the setting of elevator access permissions for cardholders based on specific requirements. |
| Accessibility Control Panel for Disabled Users | This is a control panel designed to facilitate the use of the elevator by disabled individuals, allowing them to easily operate the doors, select floors, and send rescue signals in special situations. |
| Elevator Energy Regeneration System | This system uses a dedicated elevator energy regeneration device to feed the energy generated by the traction machine's regenerative power back into the grid, after processing it through an in-built multi-stage filter, for use by other equipment. |
| Combined Hall Lantern and Gong | When the elevator is about to reach the destination floor, it will activate the hall lantern integrated with the arrival gong, emitting both sound and light signals. |
| External Hall Arrival Light | When the elevator is about to reach the destination floor, it activates the hall lantern. Real-time monitoring of one or multiple elevators in the community can be enabled, allowing computers connected to the internet in the community or remote monitoring rooms to check the elevator's floor position. |
| Internet of Things (IOT) Features | The operator supports China Mobile, China Unicom, and China Telecom. Operational status, direction of travel, and fault conditions, among others, are communicated via the IoT using wireless access through mobile SIM cards, ensuring good signal reception in the elevator machine room. |
| UV Light Disinfection in Cabin | During idle periods, the elevator automatically initiates UV disinfection to reduce the risk of viral proliferation. Infrared sensing prevents UV disinfection from starting when passengers are inside the elevator, ensuring safety and reliability. |
| Elevator data interface reserved (Building Automation interface reserved) | Through the data interface device, the elevator's operational status, floor information, fault records, etc., can be outputted. The hardware interface is RS485. |
| Visitor linkage function | The elevator provides access to the building intercom system for calling the elevator through a data interface device. The hardware interface is RS485. |
| Elevator car dual-color selection buttons | The cabin selection buttons emit white light while the elevator is idle, and they emit blue light after a command is registered. |
| Elevator car air conditioning | Add air conditioning to the cabin. |
| Smoke detection in the elevator car | Monitor fire hazards in the cabin in real-time. Once it exceeds the pre-warning threshold, stop the elevator nearest to the floor and open the doors. |
| Pit maintenance | The elevator enters the pit maintenance mode, where the automatic operation and automatic door functions are disabled. Pressing the buttons on the pit maintenance box (up/down) will make the elevator move slowly at maintenance speed. |
| Filter cabinet | Rapidly and effectively exterminate bacteria, viruses, spores, and other microbial contaminants within a short period of time. |
| 36V socket in the pit | Add one 36V socket in the pit. |
| Electric vehicle prohibition function | Voice prompt and delayed door closing are activated when the light curtain detects an electric vehicle, with the ability to distinguish between pushchairs, prams, bicycles, etc. |
| Nanotechnology fresh air system | Quickly kill bacteria, effectively eliminating microbial contaminants such as bacteria, viruses, and germs. |
| Disinfectant fan function | Filter out PM2.5 particles from the air and rapidly kill various harmful bacteria and viruses in the air. |
| Alarm filtration | When the car is in the unlocking area and both the car door and the landing door are fully open, pressing the alarm button does not trigger an alarm due to filtering. The alarm system features power monitoring and complies with EN81-28. |

# GLOBAL MARKETING NETWORK

| BRILLIANT products are sold to the country
**BLT** | Yuanda Intellectual Industry Group Co. Ltd(BLT elevator) wholly owned subsidiary
★ | BRILLIANT Domestic branch

BRILLIANT Elevator Algeria Office

Shenyang Yuanda Intellectual Industry Group Co., Ltd.
Shenyang BRILLIANT Elevator Installation Company (wholly owned subsidiary)
Chongqing BRILLIANT Elevator Co., Ltd. (wholly owned subsidiary)
Nanjing Yuanda Intellectual Industry Co., Ltd. (wholly owned subsidiary)
Yunnan BRILLIANT Elevator Co., Ltd. (wholly owned subsidiary)
Guangdong BRILLIANT Elevator Co., Ltd. (wholly owned subsidiary)

BRILLIANT Elevator (Singapore) Pte Ltd
(wholly owned subsidiary)

BRILLIANT Elevator India Co., Ltd. (wholly owned subsidiary)

## Full-time customer service system

24-hour free service telephone at any time to receive user advice, opinions and complaints, timely response to the needs of users and regular return visits to understand users' needs and opinions, find deficiencies in maintenance work, and constantly improve the quality of service.

## Respond quickly to customer needs

BLT after-sales service network throughout most parts of the country, when users need, maintenance personnel can quickly arrive at the site to ensure that users with efficient, 24-hour-a-day quality service.

## Implement the maintenance and supervision system

High-qualithy daily maintenance is the guarantee for the safe operation of elevators. maintenance supervision examines the quality of on-site maintenance throuah on-site inspection and user investigation.

## Operation management system

The after-sales technical support department conducts regular systematic analysis of the operation of each elevator through the elevator operation management system, anticipates potential problems, formulates corresponding measures, and guides and tracks the resolution of problems.

## Adequate reserve of spare parts

More than 50 standard service stations and spare parts storage centers have been established in China, and through the planning and scheduling of the company's spare parts management system, quickly and efficiently provide on-site spare parts support services to solve users' worries.

## International trading company Limted ( www.cnydeurope.com )

Shenyang Yuanda International Trading Company, a member of Shenyang Yuanda Group, has evolved into a diversified and internationally renowned enterprise specializing in high-end intelligent equipment manufacturing. Our expertise spans lifts, home appliances, building materials, furniture, plates, global logistics, and financing. As an integrated and comprehensive solution provider, we offer one-stop services across the global building materials and real estate ecosystem. Our aim is to facilitate seamless integration among home appliances, building materials, and furniture products, providing professional and reliable services to customers worldwide.

## International Parts Sales Department

Our International Parts Sales Department offers an extensive range of high-quality spare parts for elevators and escalators, catering to multiple brands at competitive prices. With a focus on swift response, superior quality, and affordability, we prioritize original factory products. Our elevator spare parts are supplied to customers across over 130 countries and regions worldwide.