

ZS5000 SERIES PASSENGER ELEVATORS

Life's grandeur extends beyond
imagination



Craftsmanship Carries Forward, Connecting the Future

In Japan, craftsmen devote their lives to perfecting their skills in pursuit of excellence. This spirit is deeply embedded in Sagami's DNA. Our story begins with a deep understanding of vertical mobility-whether in the warmth of a home or the rhythm of a city, an elevator is more than a means of moving between floors; it is a bridge between life and aspiration.



Mission

Empowering your ascent, enabling effortless mobility.

Vision

To become a global leader in customized elevator solutions, driving urban development through innovation.

Values

Safety-Driven

We place life safety first, ensuring every elevator is reliable and every journey secure.

User First

We focus on user needs, delivering satisfaction and a sense of dignity to every passenger.

Innovation for Good

We create eco-friendly and smart solutions, fulfilling our social responsibility and advancing sustainability.

About Sagami

Rooted in Japanese quality and technology, Sagami is dedicated to designing and manufacturing high-quality elevators for residential and public use. Our product range includes customized home elevators and high-performance passenger elevators, combining innovative technology with human-centered design to meet diverse space and application needs. Backed by an industry-leading factory with over 40 years of manufacturing experience, we deliver exceptional vertical mobility experiences to users worldwide.





Safety and Comfort

Developed in alignment with the industry's highest safety and comfort standards.

■ Dual Certification: China TSG and EU CE (configured according to sales regions and customer requirements)

TSG certification is China's mandatory safety approval for special equipment, and CE certification is the EU's mandatory market access requirement. Together, they ensure compliance with the highest safety standards in China and Europe.

■ Standard Programmable Electronic Safety System

- Unintended Car Movement Protection (UCMP): Continuously monitors car movement with doors open and triggers emergency braking.
- Floor Leveling Detection: Verifies landing accuracy via sensors to ensure safe passenger entry and exit.
- Safe Torque Off (STO): Dual-redundant design cuts traction motor torque, SIL3 compliant, preventing unintended start-up.

■ Operation under Power Failure, Fire, and Earthquake Conditions

• Emergency Landing in Case of Power Failure (Optional)

In the event of a power failure, a rechargeable battery powers the elevator, which automatically moves to the nearest floor and opens the doors for safe passenger evacuation.

• Fire Emergency Return (Optional)

When the fire service switch is activated, all calls are canceled, and the elevator immediately travels to the designated rescue floor, stops, and opens the doors for safe evacuation.

• Earthquake Emergency Return (Optional)

When P- and/or S-wave seismic detectors are activated, elevators stop at the nearest floor and open the doors for safe evacuation.

■ Passenger-Centric Interior Design for a Comfortable Riding Experience

• User-Centric Design

Each component is carefully designed and manufactured to ensure ride comfort and user convenience.

• Clear Typography

Fonts on indicators and buttons are highly legible. On tactile buttons, letters and numbers are easily distinguishable for visually impaired passengers.

• LCD Position Indicators: Car & Landing

Clear and bright LCD indicators effectively convey information.



High Efficiency and Energy Savings

Equipped with a high-efficiency drive control system and energy-saving features.

■ PM Traction Machine + VVVF Control

- Ensures high efficiency and energy savings, enables smooth motor start-up, reduces inrush current impact on the power grid, and lowers mechanical transmission stress.

■ Automatic Car Lighting and Ventilation Shutdown

- If no operation command is received within a preset time, cabin lighting, fans, and other power are automatically switched off.

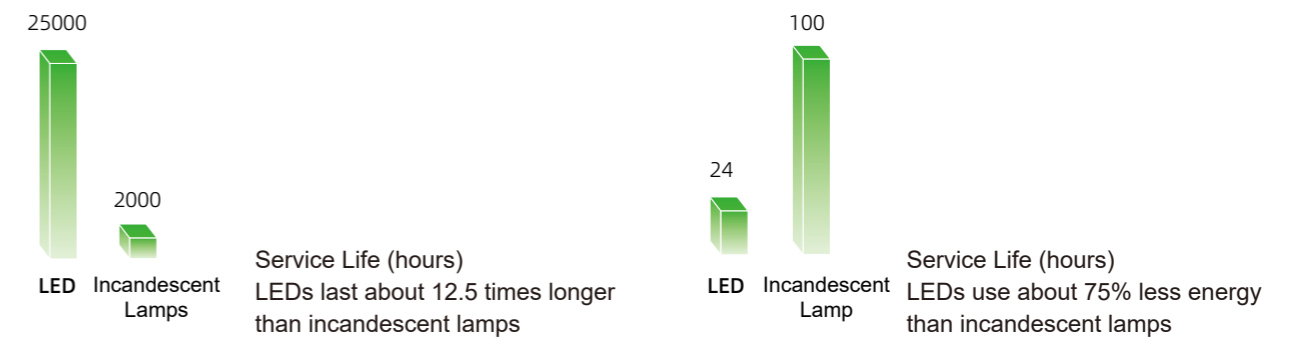
■ LED Car Ceiling Lighting

- LED ceiling lighting improves overall building energy efficiency and offers a long service life, eliminating frequent bulb replacement.

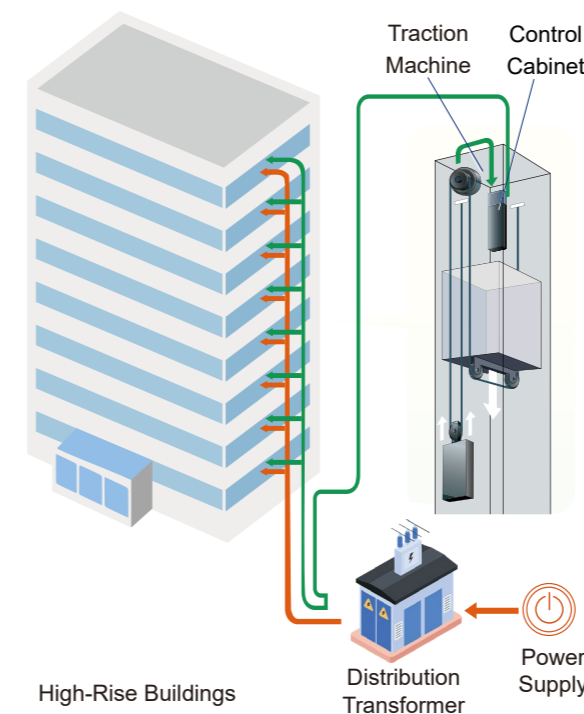


Car ceiling: JS1-02

Advantages of LED



Energy Regeneration



■ Energy Regeneration Function (Optional)

- Energy recovery in generating mode: When operating under light up-load or heavy down-load, mechanical energy is converted into electrical energy and fed back to the grid via an inverter. Fast dynamic response ensures seamless switching between motoring and generating modes, with precise grid phase tracking, power factor near 1, and THD below 4%, significantly reducing grid pollution.

■ Significant Advantages over Comparable Elevators without Energy Regeneration Systems

- High efficiency: AFE system achieves over 95% efficiency, far higher than traditional braking resistor systems.
- Low noise: PWM and filtering technology keep operating noise below 59 dB, improving the machine room environment.
- High reliability: IGBT modules and DSP control ensure stable operation.
- Environmentally friendly and energy-efficient: Eliminates resistive heat, reduces machine room temperature, and lowers air-conditioning energy use.



Smart Connectivity

Smart Functions (Optional)

In-Car Camera Security Monitoring

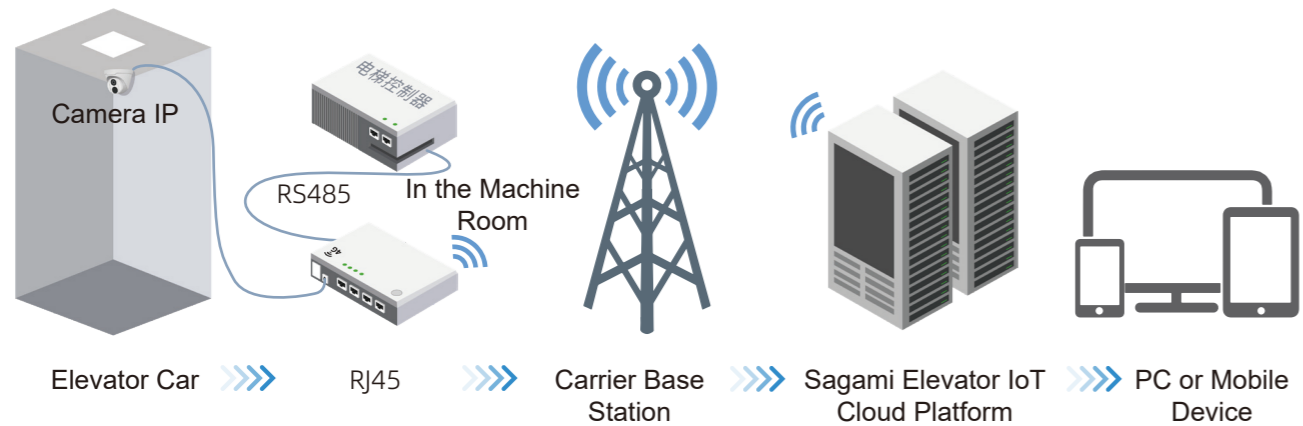
Equipped with an AI vision chip for 24/7 HD full-car monitoring. Supports behavior analysis (e.g., vandalism and abandoned objects), stores 30 days of video, and transmits footage in real time to the monitoring center via 4G or network bridge.

Automatic Detection of Trapped Passengers and Electric Bicycles

Trapped passenger rescue: AI detects falls or prolonged immobility and triggers a 3-level alarm (property / maintenance / regulatory) within 3 seconds, while activating voice reassurance (e.g., "Ventilation is normal; rescue is on the way").
Electric bicycle interception: Deep-learning model identifies e-bikes (>99% accuracy), blocks door closing via system interlock, issues voice warning ("E-bikes prohibited"), and uploads snapshots to the management platform.

Elevator IoT

Internet of Things (IoT) smart hardware serves as the system's "nerve endings", monitoring elevator status in real time and enabling fault early warning, trapped passenger rescue, and data analysis.



Real-time Monitoring of Elevator Operation:

Remote monitoring enables manufacturers and service providers to track each elevator's operating status in real time and take timely maintenance action.

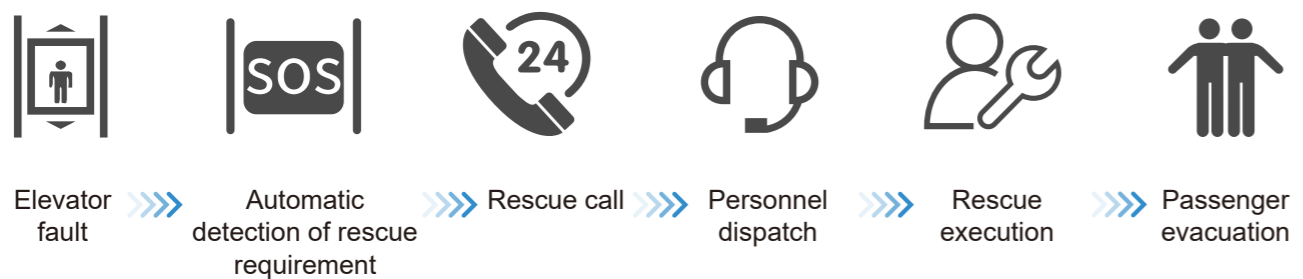
Automatic Fault Alarm (Optional):

IoT-enabled elevator monitoring uses sensors and network technology for real-time tracking, automatically sending fault alerts to maintenance staff via SMS or app push to shorten response time.

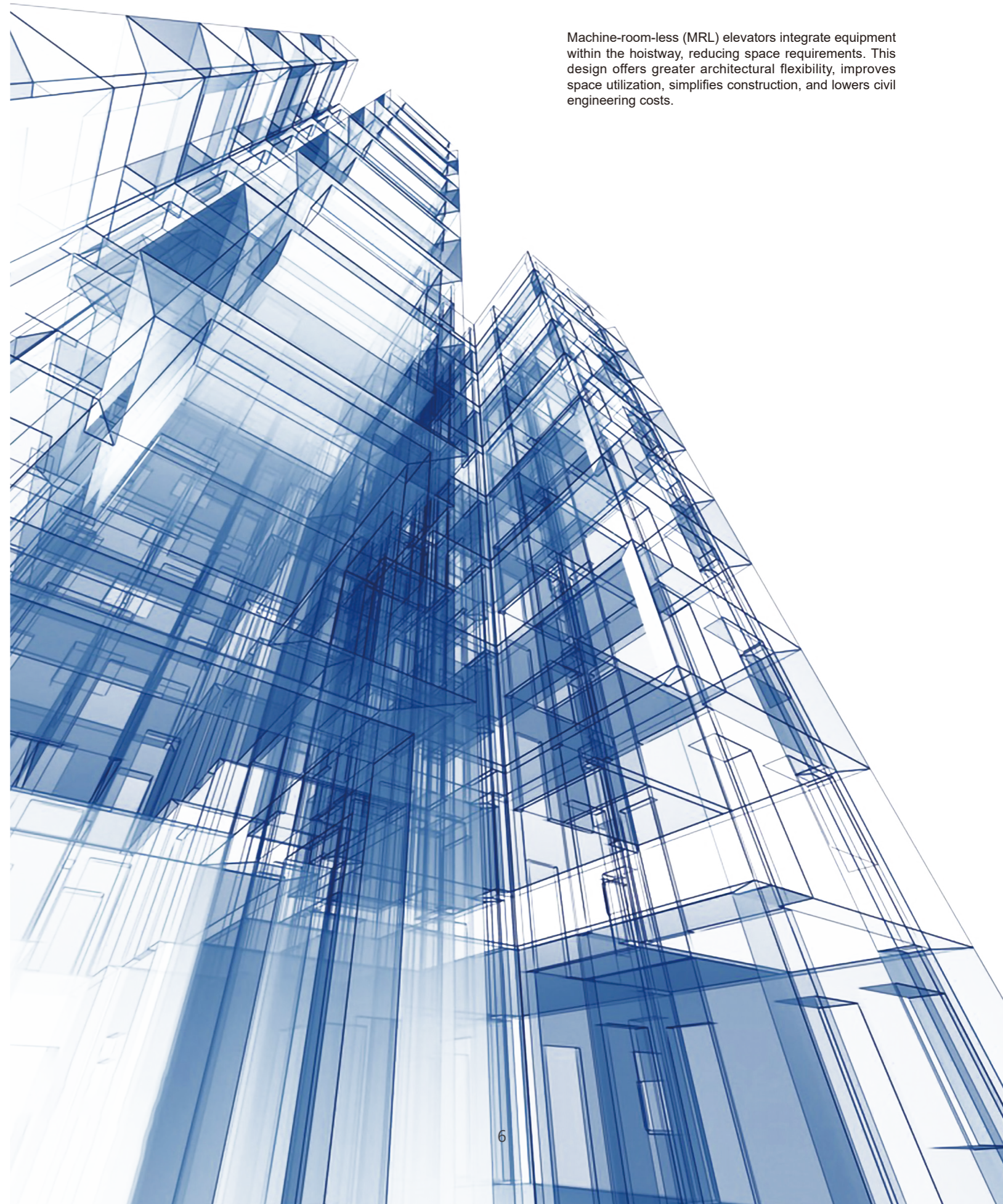
Integration with Local IoT Standards:

Supports interfacing with government regulatory platforms.

Core Rescue Process



Machine-room-less (MRL) elevators integrate equipment within the hoistway, reducing space requirements. This design offers greater architectural flexibility, improves space utilization, simplifies construction, and lowers civil engineering costs.



ZS5000 SERIES

Car and Landing Finishes



Images are for reference only. Dimensions and appearance may vary; actual specifications and configurations prevail.



C2 CAR CONFIGURATION

Car Ceiling: JS1-02 (BY40125-SP White Sand Gray + LED Lighting)
Front Wall: Brushed Stainless Steel
Car Door: Brushed Stainless Steel
Side Walls: Brushed Stainless Steel
Rear Wall: Brushed Stainless Steel
Floor: PVC Flooring YP-2024
Handrail: JXFS-06
Control Panel: CZBLN-1C

C2-S CAR CONFIGURATION

Car Ceiling: JS2-01 (Pure White Powder-Coated Panel + LED Lighting)
Front Wall: Brushed Stainless Steel
Car Door: Brushed Stainless Steel
Side Walls: Brushed Stainless Steel
Rear Wall: Brushed Stainless Steel
Floor: PVC Flooring YP-2024
Handrail: JXFS-06
Control Panel: CZBLN-1C



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C3-1 CAR CONFIGURATION

Car Ceiling: JS2-01 (Pure White Powder-Coated Panel + LED Lighting)
 Front Wall: Patterned Panel HC-01
 Car Door: Patterned Panel HC-01
 Side Walls: Patterned Panel HC-01
 Rear Wall: Patterned Panel HC-01 + Patterned Panel FL36
 Floor: PVC Flooring YP-2024
 Handrail: JXFS-06
 Control Panel: CZBLN-1C



C5 CAR CONFIGURATION

Car Ceiling: JS2-05
 Front Wall: Patterned Panel ML-035
 Car Door: Patterned Panel ML-026
 Side Walls: Patterned Panel ML-026 + ML-035
 Rear Wall: Patterned Panel ML-026 + ML-035
 Floor: Marble
 Handrail: MC002
 Control Panel: CZBLN-1C



C3-6 CAR CONFIGURATION

Car Ceiling: JS2-01 (Pure White Powder-Coated Panel + LED Lighting)
 Front Wall: Patterned Panel PTM-01
 Car Door: Patterned Panel PTM-01
 Side Walls: Patterned Panel PTM-01
 Rear Wall: Patterned Panel PTM-01 + Patterned Panel SA36
 Floor: PVC Flooring F-04
 Handrail: JXFS-06
 Control Panel: CZBLN-1C

C6 CAR CONFIGURATION

Car Ceiling: JS2-06
 Front Wall: Brushed Stainless Steel
 Car Door: Powder-Coated Q235A (RAL1013)
 Side Walls: Powder-Coated Q235A (RAL7022)
 Rear Wall: Powder-Coated Q235A (RAL7022+RAL1013)
 Floor: PVC Flooring MD008
 Handrail: MC021
 Control Panel: CZBLN-1C



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Car Control Panel Configuration

CZBLN-1C

Control Panel Configuration

Standard: Floor display, call buttons, fault alarm, lighting and fan control, in-car emergency call, voice floor announcement, voice reassurance, intercom.

Optional: IC card access control; other intelligent functions (e.g., voice call, floor registration, etc.) can be customized as required.

Material: Brushed anti-fingerprint stainless steel panel

Installation: Flush-mounted

Dimensions: 1200 × 190 × 37

Display Window Material: Tempered glass or PC panel

Buttons: Label inserts match the control panel material and color; button model AN-1

Display: 6.4-inch horizontal segmented display

Standard Lock: Independent control of fan and lighting

Handrail Model: JXFS-06

Material: Brushed anti-fingerprint stainless steel Installation: Wall-mounted

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Hall Call Panel Installation Option 1

Hall Call Panel Installation Option 2

Landing Display

Model: XSCX-1A

Panel Material: Glass Panel

Installation: Wall-mounted

Dimensions: 425 mm × 100 mm × 13 mm

Display: 4.3-inch horizontal segmented display

Hall Call Panel Options

Model: ZHBJN-5A

Material: Brushed anti-fingerprint stainless steel

Installation: Wall-mounted

Dimensions: 90 mm × 224 mm × 67 mm

Buttons: Label inserts match the control panel material and color

Display: None; used in conjunction with a separate landing display

Lock: Standard at the ground floor (optional non-standard configuration available for customer-specified floors)

Model: ZHBJN-3A

Material: Brushed anti-fingerprint stainless steel

Installation: Wall-mounted

Dimensions: 464 mm × 94 mm

Buttons: Label inserts match the control panel material and color

Display: 4.3-inch vertical segmented display

Lock: Standard at the ground floor (optional non-standard configuration available for customer-specified floors)

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Car Ceiling Configuration



Car Ceiling Model: JS1-02
Lighting: Profile Lighting, Acrylic Light Panel
Material: Patterned Panel HC-01 + LED Lighting



Car Ceiling Model: JS2-01
Lighting: Profile Lighting, Acrylic Light Panel
Material: MS-125 White Sand Gray + LED Lighting

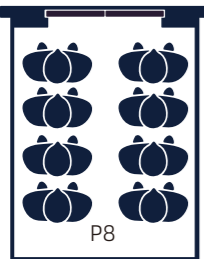
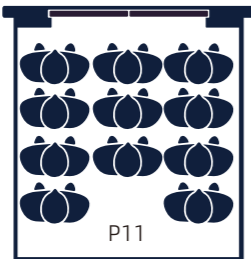
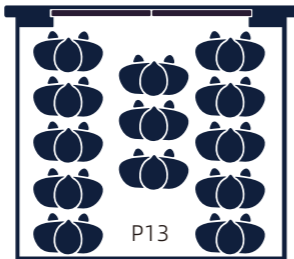
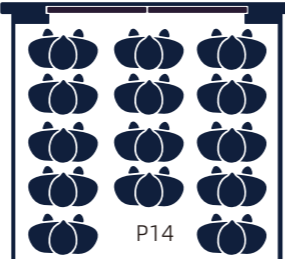
Building and Model Compatibility

Single-family Homes	Office Buildings	Shopping Centers	Hotels & Inns	High-rise Residential Buildings	Universities & Colleges

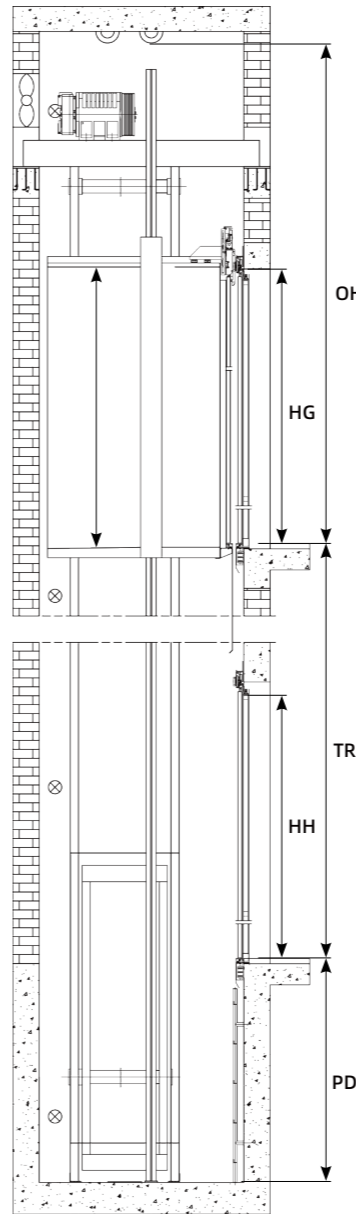
Recommended Speed	1.0m/s	1.6m/s	1.75m/s
Applicable Floors	Buildings of 1-7 floors	Buildings of 8-15 floors	Buildings of 16-20 floors

The ZS5000 has a broad application range and is widely used in medium- and low-rise buildings. In the residential sector, it is found in luxury villas, apartments, hotels, single-family homes, and homestays. In the commercial sector, it is applied in office buildings, department stores, mixed-use buildings, retail stores, and administrative buildings. It also meets the needs of specialized facilities such as schools, courts, museums, sports centers, and transportation hubs.

Car Size Series: 630 kg (8 persons) to 1050 kg (14 persons) Relationship between passenger capacity, rated load, and car dimensions (AA × BB). Car area K (m²)

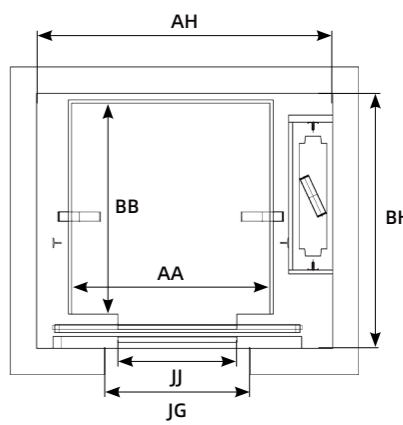
630kg 1.45 ≤ K ≤ 1.66	825kg 1.87 ≤ K ≤ 2.05	1000kg 2.15 ≤ K ≤ 2.40	1050kg 2.29 ≤ K ≤ 2.50
			

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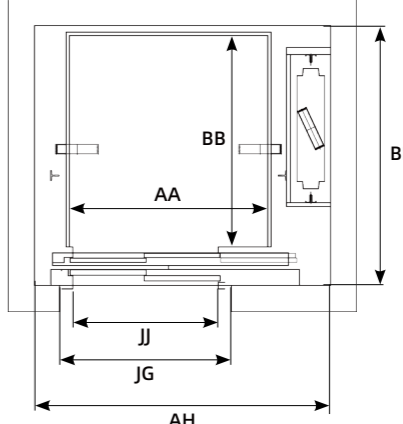
Hoistway Elevation View

Center-opening two-panel doors (CO)



Top Floor Hoistway Plan Layout

Side-opening two-panel doors (2S)



Top Floor Plan of the Hoistway

Machine-Room-Less ZS3000 Basic Specifications							
Rated speed	Maximum number of stops	Maximum hoist height (Tr)	Minimum pit depth (PD)	Maximum pit depth (PD)	Minimum top floor height (OH)	Standard top floor height (OH)	Main machine beam height (H)
1.0m/s	14	40m	1300mm	2000mm	3650mm	3800mm	2900mm
1.6m/s	20	60m	1400mm	2000mm	3750mm	4000mm	3000mm
1.75m/s	20	60m	1450mm	2000mm	3800mm	4100mm	3100mm

1. Recommended condition for minimum top floor height: ensure that the horizontal projection areas of the door operator and main machine beam do not overlap.
2. The above values for top floor height (OH) and main machine beam height (H) are calculated based on a car height (CH) of 2200 mm.

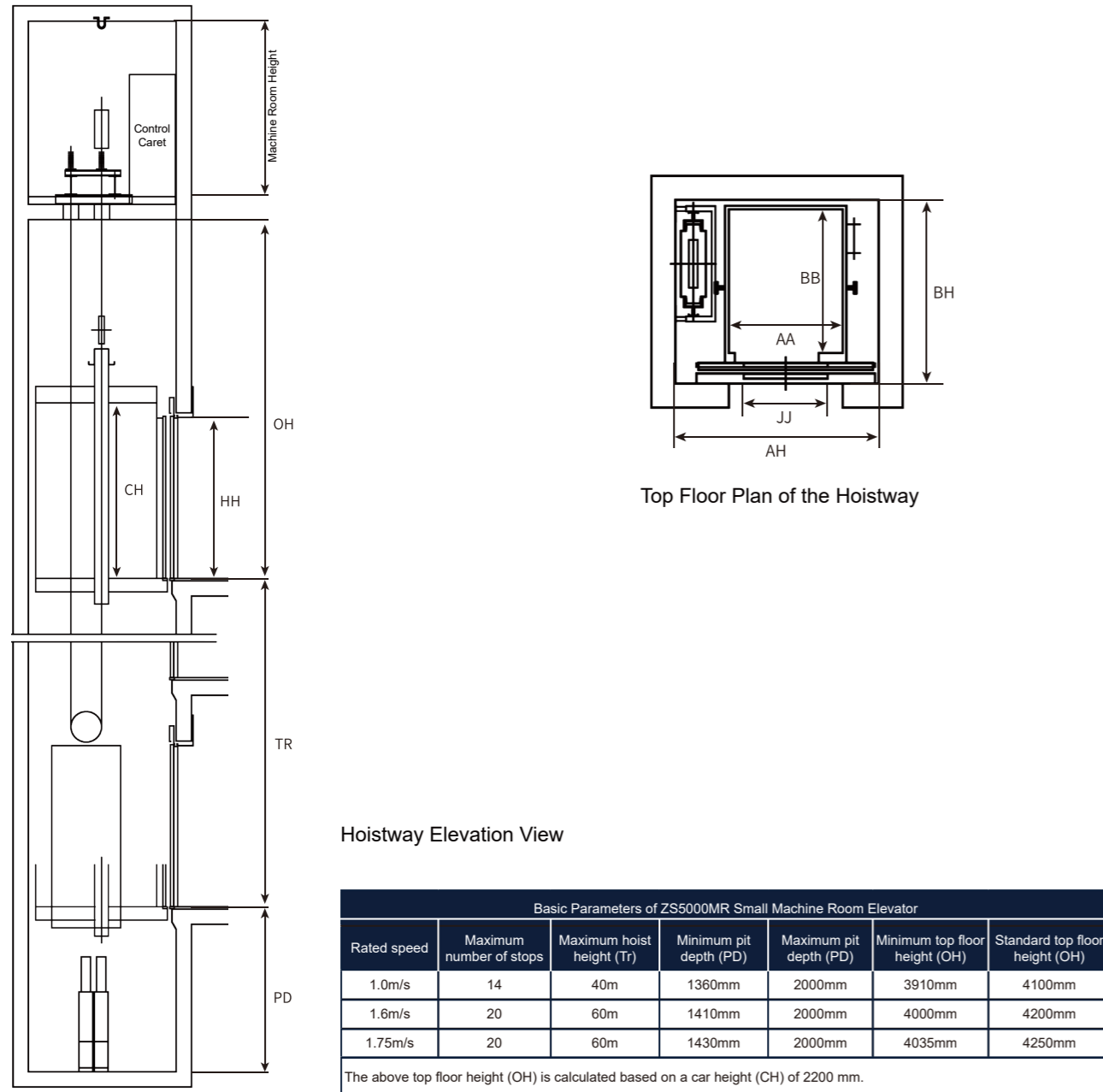
Rated load (CAP)	Passenger capacity	Car clear dimensions				Minimum hoistway clear dimensions	
		Car clear width (AA)	Car clear depth (BB)	Car clear height (CH)	Door opening size (JJ×HH)	Minimum hoistway clear width (AH)	Minimum hoistway clear depth (BH)
1050kg	P14	1600mm	1500mm	2200mm	900*2100mm	2250mm	1835mm
1000kg	P13	1600mm	1400mm	2200mm	900*2100mm	2250mm	1735mm
900kg	P12	1600mm	1350mm	2200mm	900*2100mm	2250mm	1685mm
825kg	P11	1350mm	1400mm	2200mm	800*2100mm	2000mm	1735mm
750kg	P10	1400mm	1300mm	2200mm	800*2100mm	2050mm	1635mm
630kg	P8	1100mm	1400mm	2200mm	700*2100mm	1750mm	1735mm

1. Car width options: 950-1650 mm (in 50 mm increments); 2. Car depth options: 1200-2100 mm (in 50 mm increments); 3. Car clear height options: 2100, 2300, 2400 mm; 4. The above door opening dimensions refer to center-opening doors (CO).

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Civil Engineering Information for Side-Mounted Counterweight

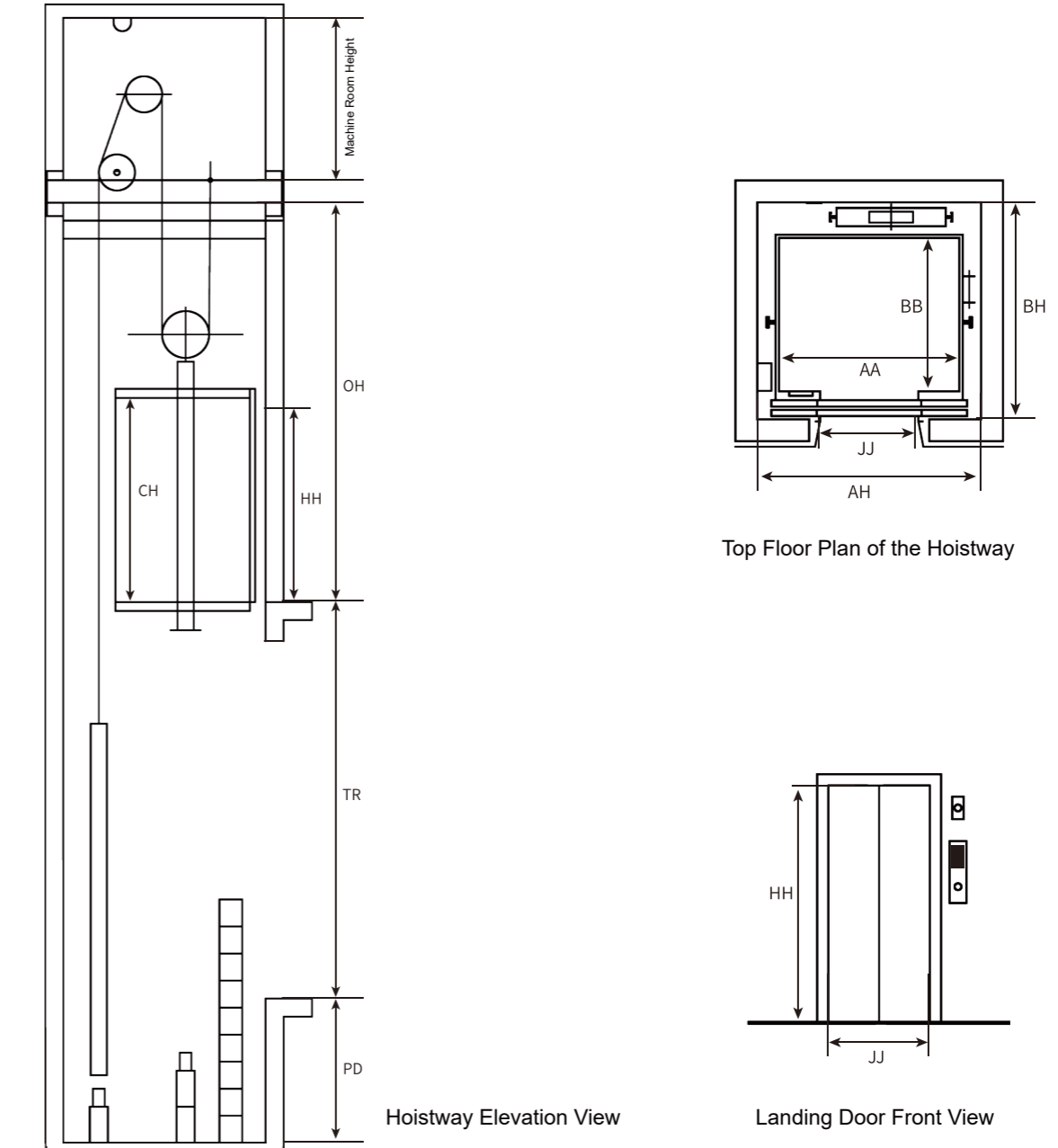


Rated load (CAP)	Passenger capacity	Car clear dimensions				Minimum hoistway clear dimensions	
		Car clear width (AA)	Car clear depth (BB)	Car clear height (CH)	Door opening size (JJ×HH)	Minimum hoistway clear width (AH)	Minimum hoistway clear depth (BH)
1050kg	P14	1600mm	1500mm	2200mm	900*2100mm	2250mm	1835mm
1000kg	P13	1600mm	1400mm	2200mm	900*2100mm	2250mm	1735mm
900kg	P12	1600mm	1350mm	2200mm	900*2100mm	2250mm	1685mm
825kg	P11	1400mm	1350mm	2200mm	800*2100mm	2050mm	1685mm
750kg	P10	1400mm	1350mm	2200mm	800*2100mm	2050mm	1685mm
630kg	P8	1100mm	1400mm	2200mm	700*2100mm	1750mm	1735mm

1. Car width options: 1000-1650 mm (in 50 mm increments); 2. Car depth options: 1200-2100 mm (in 50 mm increments);
3. Car clear height options: 2100, 2300, 2400 mm; 4. The above door opening dimensions refer to center-opening doors (CO).

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Civil Engineering Information for Rear-Mounted Counterweight



Rated load (CAP)	Passenger capacity	Car clear dimensions				Minimum hoistway clear dimensions	
		Car clear width (AA)	Car clear depth (BB)	Car clear height (CH)	Door opening size (JJ×HH)	Minimum hoistway clear width (AH)	Minimum hoistway clear depth (BH)
1050kg	P14	1600mm	1500mm	2200mm	900*2100mm	2085mm	2100mm
1000kg	P13	1600mm	1400mm	2200mm	900*2100mm	2085mm	2000mm
900kg	P12	1600mm	1350mm	2200mm	900*2100mm	2085mm	1950mm
825kg	P11	1350mm	1400mm	2200mm	800*2100mm	1835mm	2000mm
750kg	P10	1400mm	1300mm	2200mm	800*2100mm	1885mm	1900mm
630kg	P8	1400mm	1100mm	2200mm	700*2100mm	1885mm	1700mm

1. Car width options: 1400-1800 mm (in 50 mm increments); 2. Car depth options: 1100-1650 mm (in 50 mm increments);
3. Car clear height options: 2100, 2300, 2400 mm; 4. The above door opening dimensions refer to center-opening doors (CO).

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Automatic Cancellation of Incorrect In-Car Commands

Standard Feature

The automatic cancellation of in-car incorrect commands is an intelligent control system that detects and removes invalid inputs caused by misoperation. Using advanced sensors and smart algorithms, it improves efficiency and enhances the passenger experience.

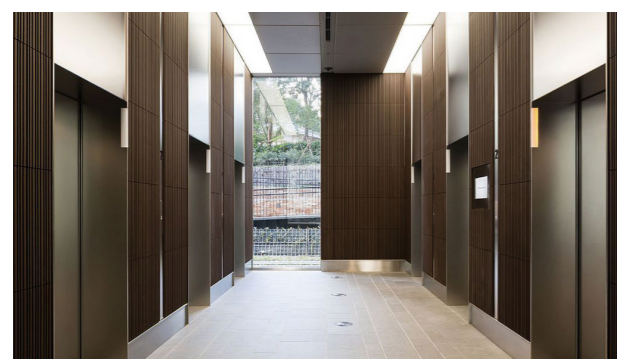
Invalid stops caused by passenger misoperation or pranks during elevator operation.

This feature promptly cancels erroneous commands, improving elevator efficiency. It prevents unnecessary trips caused by invalid commands, reduces energy consumption, and supports energy saving and environmental protection.

Parallel Operation

Optional Feature

Designed to improve efficiency and service quality, parallel operation connects two identical elevators to a dispatch system, enabling unified response to hall calls and reducing passenger waiting time.



Group Control

Optional Feature

Designed for three or more identical elevators, group control uses intelligent prediction and dispatch algorithms to optimize call allocation, reduce waiting time, and improve transport efficiency.

Automatic Car Lighting and Ventilation Shutdown

Standard Feature

In line with modern energy-efficient and eco-friendly building trends, our passenger elevators feature an advanced energy-saving lighting system to support green mobility. Intelligent sensors detect occupancy in real time: lights dim automatically in the absence of passengers and instantly brighten when someone enters, ensuring both comfort and efficiency. Equipped with high-performance LED lighting, the system offers low energy consumption, long service life, and significantly reduced maintenance and operating costs compared with conventional lighting, contributing to sustainable building operations. Choose our passenger elevators for a smart, comfortable, and eco-friendly ride—where every journey supports a greener future.

Energy Regeneration

Optional Feature

Elevator energy regeneration is an advanced energy-saving technology that converts excess energy generated during operation (including potential and kinetic energy) into electrical energy and feeds it back into the power grid for efficient reuse. This significantly reduces energy consumption, while also lowering heat generation from energy loss, improving the machine room environment and extending equipment service life.

Product Advantages

High energy efficiency: The energy regeneration system recovers and reuses regenerative energy generated during elevator operation, achieving energy savings of approximately 15%-45%.
Improved operating environment: It reduces heat from braking resistors, lowers machine room temperature, improves conditions for the control system, and extends equipment service life.
Reduced operating cost: It significantly lowers electricity consumption and overall operating costs, with a typical return on investment period of 2-5 years.

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Password Service (IC Card Type)

Optional Feature

Elevator password service (IC card type) is an access control system that verifies user identity and permissions via contactless IC cards, enabling controlled elevator operation and floor access. It provides a secure and efficient solution for elevator management and is widely used in residential buildings, offices, hotels, hospitals, schools, and public institutions.

Core Features

Hierarchical access control: The system supports multiple permission levels to meet different user and management needs. Administrator cards are used for system initialization and parameter settings; elevator control cards grant access to designated floors; premium access cards allow full-floor access; and billing cards support per-use or time-based charging, suitable for commercial buildings and visitor management.

Security and reliability: Advanced encryption and authentication ensure that only authorized users can access the elevator, preventing unauthorized entry and security risks. The system also supports fire alarm integration. During emergencies, it automatically disables access control and switches to normal operation to ensure safe evacuation.

Intelligent dispatching: Based on selected floors and elevator positions, the system intelligently allocates resources to optimize elevator operation efficiency and reduce passenger waiting time.

Product Advantages

High security: IC card data is encrypted and resistant to copying or cracking, ensuring authentic and unique user identification and enhancing elevator safety.

High flexibility: Permissions and settings can be configured according to site and user needs, including floor access and time-based restrictions, enabling refined management.

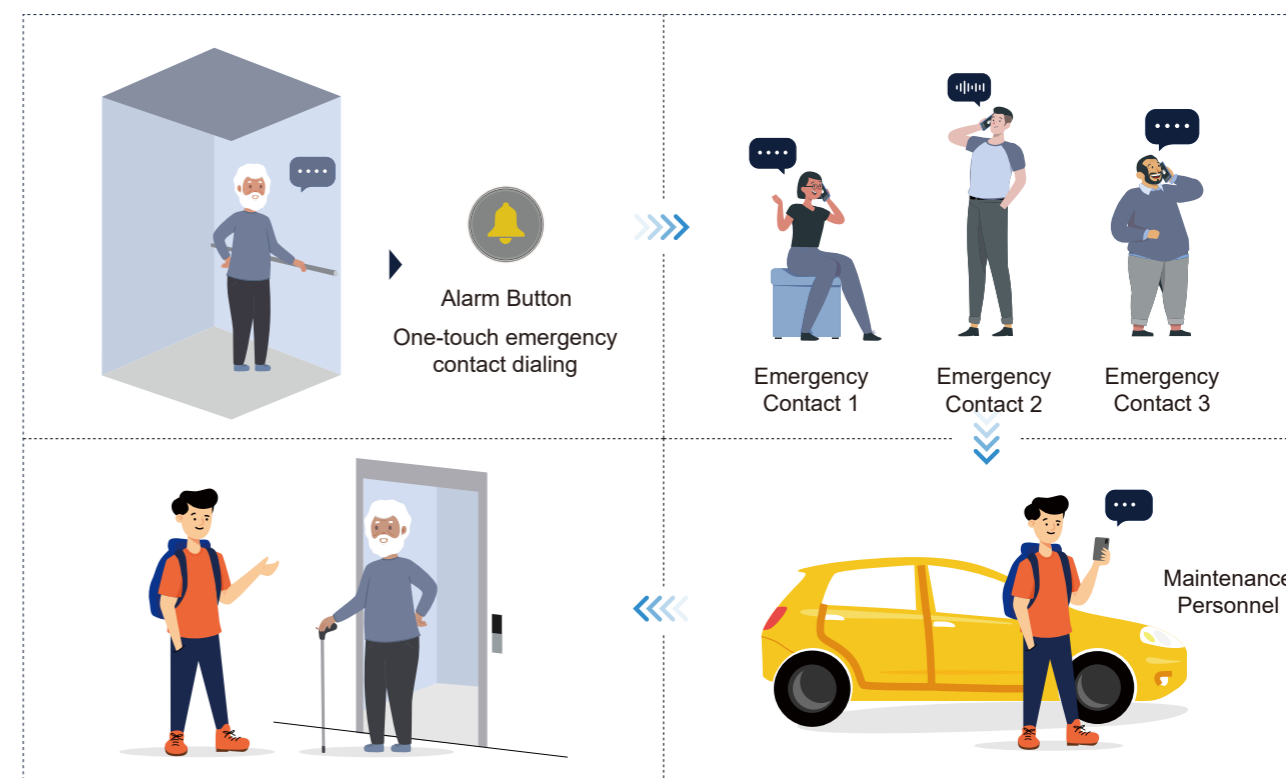
High convenience: Users can access the elevator with a single IC card, without passwords or keys, improving ease of use.

Five-Way Intercom

Standard Feature

The elevator five-way intercom system is a standard safety and emergency communication device that enables real-time two-way voice communication between the car interior, car top, machine room, pit, and rescue duty room (monitoring or control center). With independent wiring and strong anti-interference performance, it supports one-touch calling and rapid multi-party communication, ensuring full coverage of elevator operation and passenger areas. It is widely used for daily communication, fault reporting, trapped passenger rescue, and maintenance coordination, improving operational safety and emergency response efficiency.

The system delivers clear audio, fast response, and stable performance. It operates reliably under power failure (with backup power), hoistway shielding, and noise interference. It supports emergency calls, maintenance coordination, daily safety management, and rescue operations, forming a comprehensive safety communication system. As a required safety facility under national elevator standards, it helps reduce risks and ensures safe, stable long-term operation.



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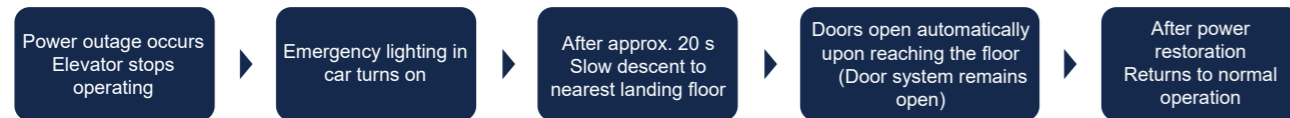


Safe Riding for Up/ Down Travel

Power Failure Emergency

Optional Feature

When a power outage occurs during operation, the system immediately detects it and activates emergency response. The car emergency lighting turns on instantly, providing illumination and reassurance to passengers. The system then determines the elevator's current position and automatically drives the car at low speed to the nearest landing level. Once leveled, the elevator stops smoothly and the doors open automatically, allowing passengers to exit safely and in an orderly manner. The power failure emergency system ensures controlled operation during outages, minimizing passenger impact and enhancing overall safety.



Controlled Operation During Water Ingress

Optional Feature

Elevator pit water ingress protection is an active safety measure that prevents damage caused by water accumulation in the pit. Water level and ingress sensors installed at key points continuously monitor conditions in real time. Once water ingress is detected, the system immediately cancels all landing calls and car commands and shuts down the elevator to prevent faults or safety risks. This feature is suitable for environments prone to flooding, helping to prevent moisture-related damage, extend equipment service life, and improve overall safety and reliability.



Fire Return

Optional Feature

Fire return is triggered by a fire switch or fire alarm interlock signal. Once activated, the elevator immediately cancels all landing calls and car commands and returns directly to the designated main floor. This function overrides all other controls to ensure rapid emergency response. Upon arrival at the main floor, the elevator keeps its doors open to support passenger evacuation and firefighter access.



Multi-beam Door Sensor

The elevator multi-beam door sensor is an advanced safety device using infrared sensing technology to create a high-density beam array at the elevator entrance. It continuously monitors the doorway in real time through multiple infrared transmitters and receivers. When a passenger or object is detected in the doorway, the system immediately stops door closing and reopens it, effectively preventing entrapment and ensuring passenger safety.



Standard Feature

3D Sensor

The elevator 3D sensor is an intelligent safety device installed on top of the car, using 3D scanning technology to monitor the door zone and surrounding space in real time. It accurately detects position, distance, and movement during door operation to provide anti-pinch protection. When a passenger or object approaches the door area, the sensor immediately triggers the doors to stop closing and reopen, preventing entrapment of people or pets and ensuring safe operation.



Optional Feature

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Feature Name	Feature Description	Configuration
Automatic Re-leveling	When the car is detected to be out of level during operation, it automatically performs low-speed fine adjustment to re-level and opens the doors.	○
Elevator Stall Protection	When traction rope slippage or motor stalling persists beyond a preset duration, the elevator stops.	●
Load-Based Start Control	The elevator adjusts the starting torque according to the car load to ensure a smooth start-up.	●
Energy Regeneration	Feeds energy generated during operation back to the grid for energy saving.	○
Power-On Re-leveling	After power restoration, the system detects the car position; if it is not level, it performs low-speed correction to re-level and opens the doors.	●
Safe Stop Operation	If the elevator stops outside the door zone due to a fault, the controller performs a safety check; if conditions are met, it stops at the nearest floor and opens the doors.	●
Group Control	Used for three or more elevators of the same model to share hall calls and intelligently dispatch the nearest car, reducing waiting time.	○
Parallel Operation	Used for two elevators of the same model, coordinating responses to hall calls via computer control to reduce waiting time and improve efficiency.	○
Voice Announcement System (Chinese)	Provides elevator information to passengers via voice announcements. Chinese is standard, with optional bilingual (Chinese/English) or English-only modes.	●
Signal Interface	Outputs basic operating status signals of the elevator.	○
Car Multimedia Display	Provides passengers with audio and video information (installed inside the car).	○
Multi-Party Communication System	In emergencies, personnel in the car, on the car top, or in the pit can communicate with the machine room or control center.	●
ITV Cable and Video Surveillance Function	Cables for in-car video systems or elevator-mounted cameras.	○
Car Emergency Lighting	When normal lighting power fails, the system automatically switches to backup battery power to maintain car lighting.	●
Earthquake Emergency Return	When P- or S-wave sensors are triggered, the elevator stops at the nearest floor and remains in a powered standby state.	○
Alarm Bell	When pressed in an emergency, both the alarm bell and intercom are activated.	●
Fire Return	When the fire return switch is activated, the elevator cancels all commands, returns directly to the fire landing, and opens doors for standby.	○
Power Failure Emergency Stop	When a sudden power failure occurs during operation, the system activates backup power within s, moves to the nearest floor at very low speed, and opens doors automatically.	○
Elevator Monitoring System	Uses a computer system to monitor elevator operation and position, and issues control commands when needed.	○
Automatic Bypass at Full Load	When the car load exceeds 80% of the rated capacity (adjustable), the elevator ignores intermediate hall calls.	●
Control Panel and Landing Controller Handling	If an abnormality occurs in the control panel or landing controller, the elevator stops at the nearest floor and cannot restart.	●
Car Reverse Command Cancellation	If a registered floor is in the opposite direction of travel, the system automatically cancels the command.	●
Automatic Car Lighting and Ventilation Shutdown	When the elevator remains idle for a set time without direction commands, car lighting and ventilation automatically turn off to save energy.	●
Automatic Cancellation of Incorrect In-Car Commands	If a floor button is mistakenly pressed twice in succession, the system automatically cancels the selection without further action.	○
Landing Operation Control Switch	The elevator is started or stopped via a "Run/Stop" key switch installed at the designated landing.	●
Next-Floor Stop	If the destination door is obstructed and cannot fully open, the elevator moves to the next floor and resumes operation once normal door opening is possible.	●
Overload Alarm	When the car is overloaded, the doors remain open and the in-car buzzer sounds.	●
Passcode Service (IC Card Type)	Only authorized IC cards can activate and register designated floors; floor buttons are disabled without a valid card or sufficient access rights.	○
Door Closing Torque Control	When additional resistance is detected during door closing, the system automatically increases closing torque.	●
Reverse Re-opening	After the doors open, if no travel direction is selected and a reverse hall call is registered, the doors will reopen during closing to allow passengers traveling in the opposite direction to enter.	●
Door Load Detection	If an obstruction is detected during door closing or motor torque abnormally increases, the system automatically reopens the doors and cancels the current floor command to prevent entrapment.	●
Door Sensor Self-Diagnosis	If the non-contact sensor fails, the system switches to forced door closing mode to maintain elevator operation.	●
Door Opening Obstruction Control	If an obstruction prevents the doors from fully opening, the system immediately reverses to close the doors and cancels the current floor command to avoid prolonged jamming.	●
Automatic Adjustment of Door Hold Open Time	The door hold-open time is automatically adjusted based on hall calls or car commands.	●
Alarm-Triggered Forced Closing	If the door remains open beyond a preset time, the system issues an audible alarm and attempts to close the doors.	●

● : Standard ○ : Optional

Images are for reference only. Dimensions and appearance may vary; actual specifications and configurations prevail.

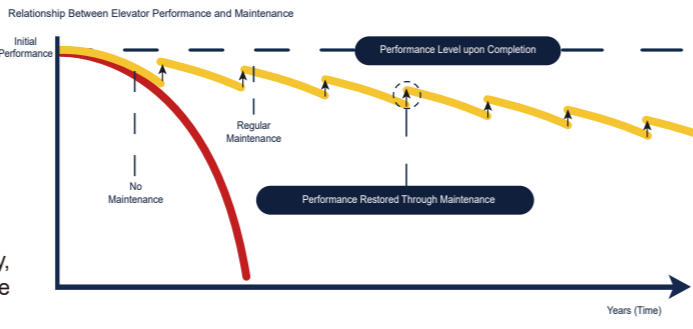


Responsibilities of the Maintenance Provider

Develop maintenance plans and procedures and carry out maintenance in accordance with relevant requirements, with on-site safety measures in place. Establish emergency measures and rescue plans, and conduct at least one drill every six months. A 24-hour maintenance hotline is provided to ensure prompt response to faults and rapid troubleshooting.

Classification of Maintenance Tasks

Maintenance tasks are classified into four categories: bi-monthly, quarterly, semi-annual, and annual. Detailed requirements are specified in the Elevator Maintenance Regulations.



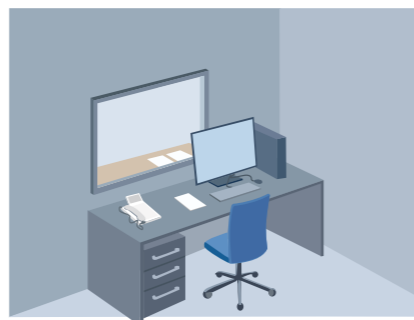
Necessity of Maintenance

Ensuring safe operation: Regular maintenance identifies and repairs wear, aging, and other issues in elevator components, keeping mechanical and electrical systems in good condition, reducing the risk of failures and accidents, and ensuring passenger safety.

Extend equipment lifespan: Regular maintenance slows component wear, enables timely replacement of aging parts, and maintains system performance, thereby extending service life and reducing replacement frequency and cost.

Reduce downtime: Regular maintenance helps identify and resolve potential issues early, preventing minor problems from developing into major failures. This reduces downtime, improves operational efficiency, and minimizes impact on passengers and building operations.

Optimize operational performance: During maintenance, the control, door, and traction systems are inspected and adjusted to improve smoothness and efficiency, reduce energy consumption, and enhance ride comfort.



To ensure proper elevator maintenance, it is essential to choose a company with extensive experience and strong technical expertise. Such companies can leverage long-term data to provide precise and efficient maintenance services.



Instructions for Sagami Elevator Basic Information Registration Card

The Sagami Elevator Basic Information Registration Card is your smart key for elevator management. Scan the QR code to access the Sagami Elevator mini-program for convenient management. The mini-program provides functions including maintenance records, service appointment booking, registration forms, operation logs, basic elevator information, user instructions, and complaint feedback, covering maintenance, information management, and fault handling. It helps improve management efficiency, ensure passenger safety and rights, and make elevator operation more reliable and worry-free.

About Sagami Elevator After-Sales Service System



Technical Support
A professional team provides 24/7 response and efficient maintenance solutions.



Personnel Training
Hands-on training with assessment and certification to enhance the technical skills of maintenance personnel.

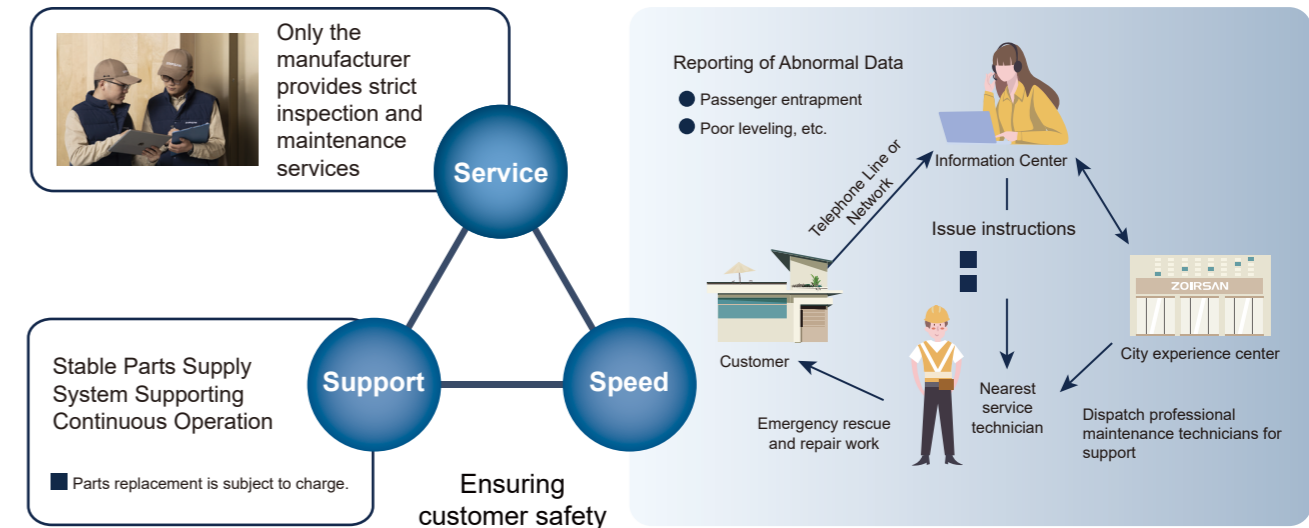


Regular Maintenance
Customized maintenance plans based on needs, with comprehensive inspection, cleaning, and hazard identification.



Images are for reference only. Dimensions and appearance may vary; actual specifications and configurations prevail.

About Sagami Elevator After-Sales Service System



We use advanced IoT-based monitoring technology to ensure real-time, safe, and comfortable elevator operation. Our maintenance team operates 24/7 year-round, with a commitment to respond within 30 minutes in case of faults. For emergencies, a well-established response system enables rapid location tracking and timely dispatch of technicians. The in-car one-touch call function provides a vital communication link, ensuring seamless contact in critical situations.



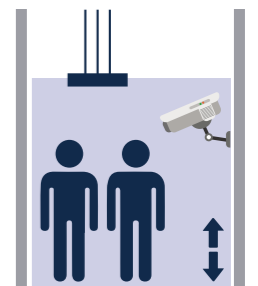
Signing a corresponding maintenance contract to access full maintenance services

Regular inspections cover mechanical components, electrical systems, safety devices, operational performance, and emergency systems.

Replacement cycles and component wear vary depending on operating conditions and environment. Therefore, we recommend selecting a maintenance plan and frequency based on our professional recommendations.

Elevator Remote Monitoring System

The elevator remote monitoring system is based on IoT technology. The control system connects with multiple sensors (e.g., door, operation, and fault sensors) to collect real-time operating data and status information. Data is transmitted via 4G, 5G, NB-IoT, or Wi-Fi modules to a remote monitoring platform. The platform analyzes and evaluates the data to enable real-time monitoring of elevator conditions. When abnormalities such as faults or parameter deviations occur, it immediately triggers alerts and notifies relevant personnel. It also stores large volumes of data for performance analysis and maintenance planning. Through this system, manufacturers and service providers can monitor each elevator in real time, respond quickly, and carry out timely maintenance actions.



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