HITACHI
Inspire the Next

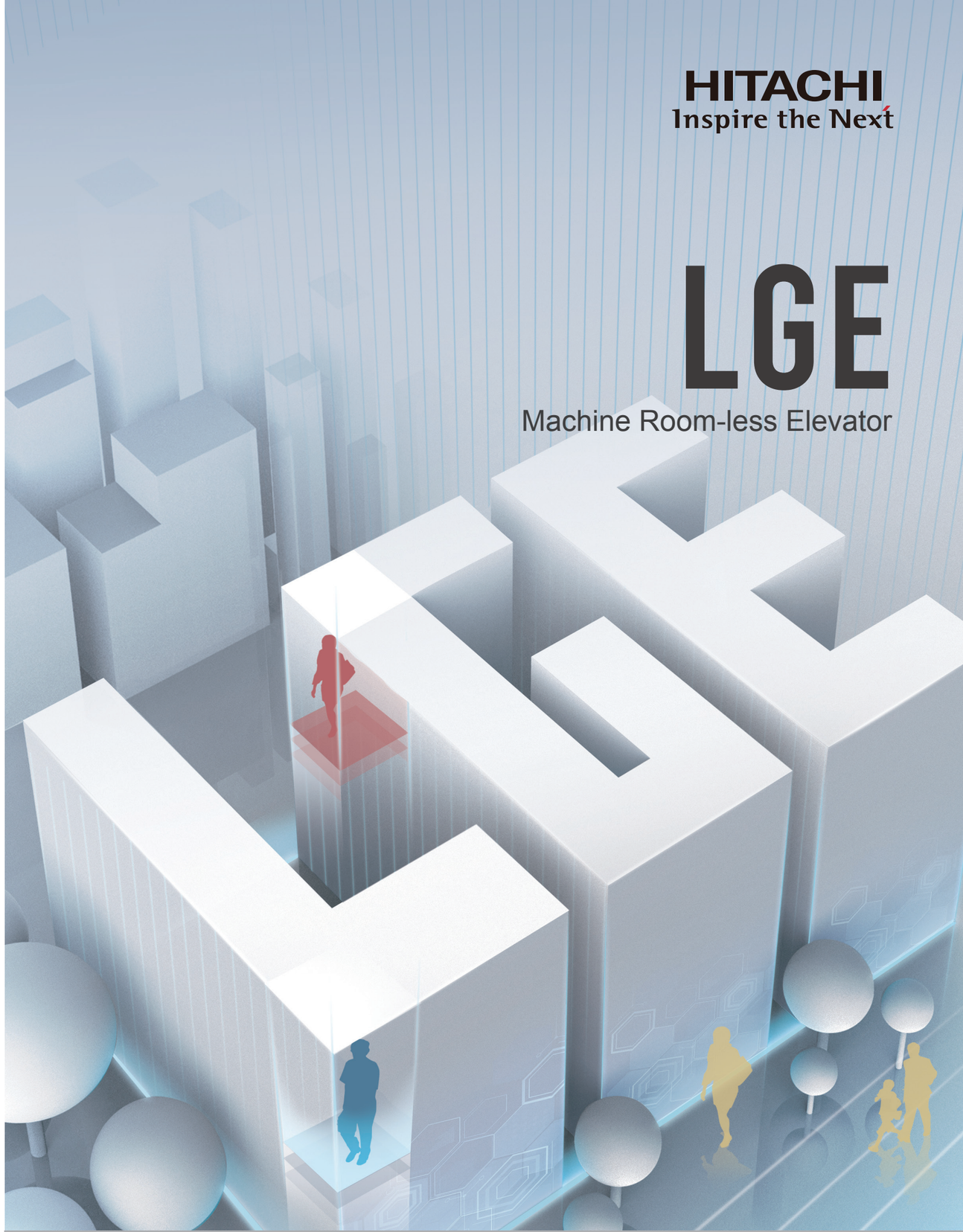
The information in this catalogue is subject to change without notice. The information and diagram in this catalogue reflect the technical features and configuration of the elevator model at press time (refer to the version number). In line with the principle of continuous development of products, our company reserves the right to change the selection of product technical parameters and colour at any time. The existing image technology cannot accurately reproduce the elevator component structure and decoration colour. Therefore, this catalogue only provides general information, not as a contract document. The specific configuration parameters are subject to the formal agreement.
If you need detailed information, please contact us.

Copyright: Hitachi Elevator (China) Co.,Ltd
LGE Planning Guide 2023.12

HITACHI
Inspire the Next

LGE

Machine Room-less Elevator



CONTENTS

Product Description

Comprehensive Protection 01

Ultimate Humanisation 03

Standard Decoration

Car Design (Normal Car) 07

Car Design (Deep Car) 09

Decoration Device 11

Solution Centre

Human-Friendly System 17

Reassuring And Secure System 19

Elevator "Clean" Features 20

Emergency Rescue System 21

1 Double Protection Motor Performance

Double Assurance, Upgraded Safety

- High performance permanent magnet + double assurance magnet steel anti-slipping technology
- Double assurance traction sheave holding-down mechanism
- URS unit chain type stator core

2 Intelligent Auxiliary Brake

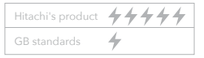
Instant Braking, Reduce Speed Effectively

- **Fast !**
  When motor overspeed is detected, auxiliary brake is activated immediately
- **Effective !**
  Speed can be effectively reduced before the brake is applied, which is conducive to rapid stopping

3 Power Supply Protection

Multiple Protection, Safe And Reliable

- Lightning surge protection

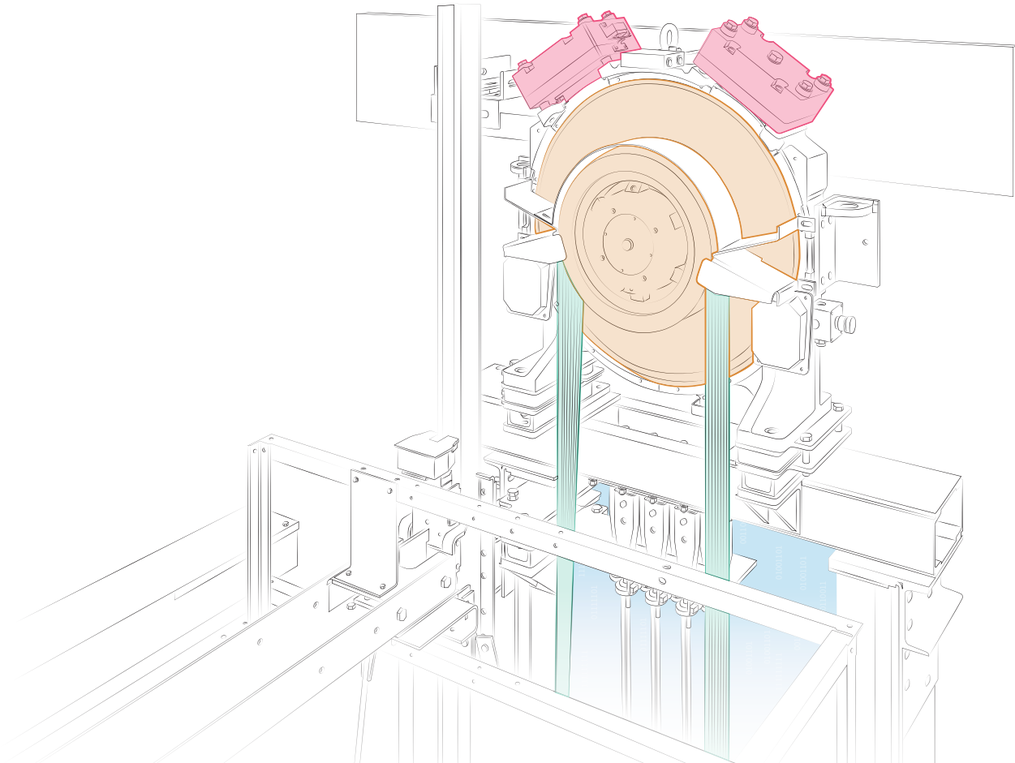


- Wide voltage adaptability

4 Dual-Channel Data Transmission

Data Comparison, Prevent Data Loss

- Dual-channel communication system
- High-speed transmission on each channel, data are cross-compared to prevent loss



ULTIMATE HUMANISATION

Humanised design with function configured,
giving every ride a thoughtful experience.

1 Abnormal Duration Hall Call Detection*

Automatic Detection, Prevent Malfunction

- Automatic detection of inoperative button
- Effectively process the malfunction button without affecting elevator operation

2 Highly Distinctive Characters

Highly Distinctive Design

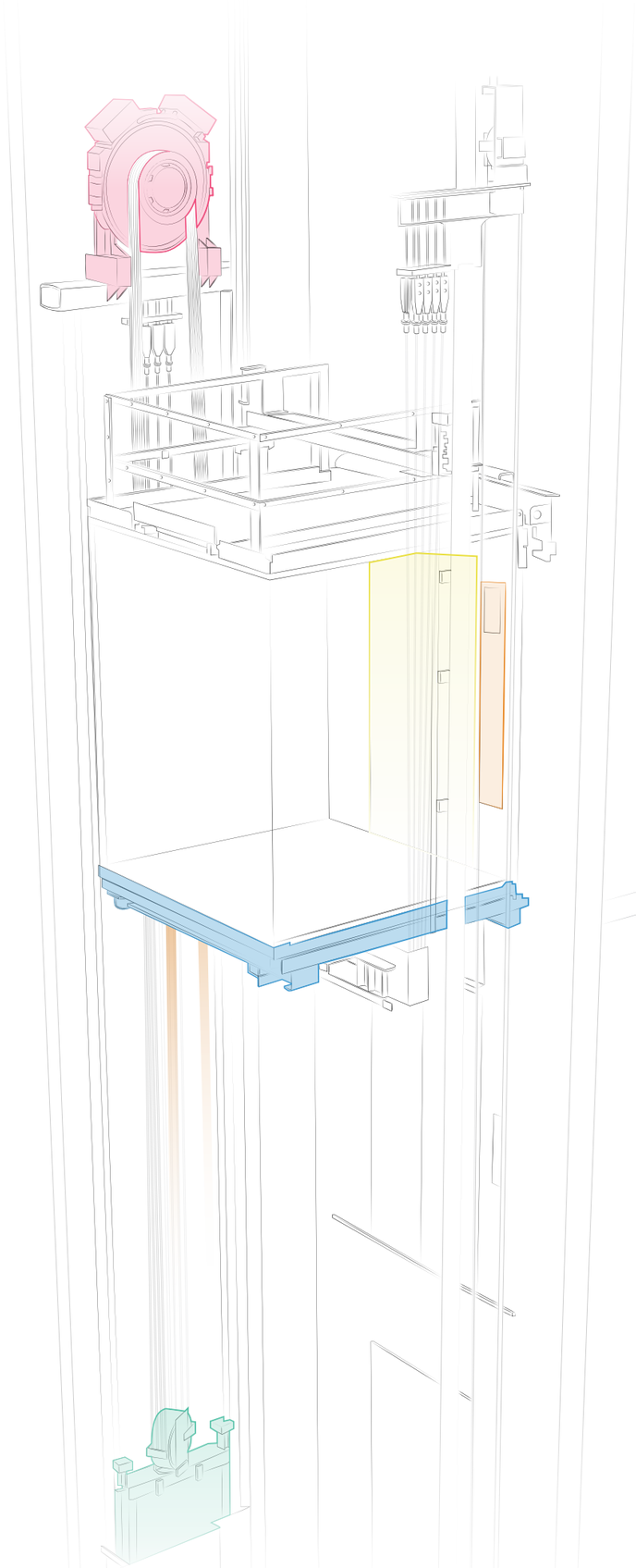
- Highly distinctive floor characters
- Golden ratio 3:5 (width:height) font proportion
- Adopt regular circular curves, full form characters
- Easy-to-read wide-open design

23569 Highly distinctive characters

<Vision of a visually impaired person>

23569 Normal characters

<Vision of a visually impaired person>



3 Flexible Inter-Floor Operation

Flexible Control, Comfortable Ride

- Based on the distance between inter-floor with flexible control to achieve step-less speed
- Efficient operation with excellent riding comfort

4 Double-Layer Car Platform

High-Precision Technique, Integrated Structure

- Welding-less high-precision technique
- Integrated load-bearing parts
- Double-layer car platform base

5 Intelligent Multi-Beam Protection

Intelligent Detection, Automatic Energy-Saving

- Locate fault rapidly
- Intelligent fault rectification
- Power off when elevator is unoccupied

6 Load Sensing System

Intelligent Algorithm, Load Sensing

- Contactless weighing technology
- Intelligent starting torque compensating algorithm

Note: Items with "*", please contact us.

STANDARD DECORATION

CAR DESIGN (NORMAL CAR)

E-81

Standard

Bare ceiling height	2300mm
False ceiling height	2300mm
Car ceiling	RF-081 Painted steel_HP57 (Matt light brown) LED lighting
Car front return panel	Painted steel_HP57 (Matt light brown)
Car transom	Painted steel_HP57 (Matt light brown)

Side walls	Painted steel_HP57 (Matt light brown)
Rear wall	Painted steel_HP57 (Matt light brown)
Car door	Painted steel_HP57 (Matt light brown)
Car floor	A-26 Vinyl flooring

E-81 Stainless Steel Hairline

Optional

Bare ceiling height	2300mm
False ceiling height	2300mm
Car ceiling	RF-081 Stainless steel hairline LED lighting
Car front return panel	Stainless steel hairline
Car transom	Stainless steel hairline

Side walls	Stainless steel hairline
Rear wall	Stainless steel hairline
Car door	Stainless steel hairline
Car floor	A-26 Vinyl flooring

CAR DESIGN (DEEP CAR)

E-81

Standard

Bare ceiling height	2300mm
False ceiling height	2300mm
Car ceiling	RF-081 Painted steel_HP57 (Matt light brown) LED lighting
Car front return panel	Painted steel_HP57 (Matt light brown)
Car transom	Painted steel_HP57 (Matt light brown)

Side walls	Painted steel_HP57 (Matt light brown)
Rear wall	Painted steel_HP57 (Matt light brown)
Car door	Painted steel_HP57 (Matt light brown)
Car floor	A-26 Vinyl flooring

E-81 Stainless Steel Hairline

Optional

Bare ceiling height	2300mm
False ceiling height	2300mm
Car ceiling	RF-081 Stainless steel hairline LED lighting
Car front return panel	Stainless steel hairline
Car transom	Stainless steel hairline

Side walls	Stainless steel hairline
Rear wall	Stainless steel hairline
Car door	Stainless steel hairline
Car floor	A-26 Vinyl flooring

DECORATION DEVICE

Car Operating Panel Normal Car

OPM-322

- **Indicator**
  Dot matrix
- **Button**
  WL-MO

Car Operating Panel Deep Car

GOP-199

- **Indicator**
  Dot matrix
- **Button**
  WL-MO

Button

WL-MO

- **Dimension**
  Φ36mm
- **Material**
  Rim: Stainless steel brushed
  Faceplate: Stainless steel hairline
- **Illumination**
  Symbol and periphery lighted up in orange
- **Button with braille is available as option for maximum 2 digits**

- **"Door Close" Button**
  (Without illumination)

- **"Door Open" Button**
  (Without illumination)

- **"Floor" Button**
  (Without illumination)

- **"Floor" Button**
  (With illumination)

Entrance Design

- **Landing Door**
  Painted steel_WN01 (Ivory white)
- **Landing Jamb**
  AS-1X narrow type: Painted steel_WN01 (Ivory white)

VIB-713

Hall Operating Panel With Inspection Function For Top Floor Only

- **Indicator**
  Dot matrix
- **Faceplate material**
  Stainless steel hairline
- **Button**
  WL-MO
- **Mounting**
  Embedded type

VIB-322 VIB-322W

Hall Operating Panel

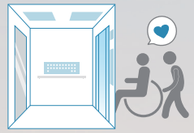
- **Indicator**
  Dot matrix
- **Faceplate material**
  Stainless steel hairline
- **Button**
  WL-MO
- **Mounting**
  Surface-mount type

SOLUTION CENTRE

HUMAN-FRIENDLY SYSTEM

01 Intelligent Multi-Beam, Accessibility Function

- Protect the passenger entering or exiting the elevator through the multiple beams of infrared lights emitted by multi-beam device on the car door
- Convenient for people with special needs to use the elevator through humanised facilities and function



02 Car Call, Hall Call Deselect

Enables passenger to cancel mistakenly registered calls, improve the operating efficiency by eliminates unnecessary stops.

03 Pet Indication Function

Indication to inform passenger using the elevator that a pet is about to enter or exit the elevator by illuminating the pet button in car or at lobby to prevent any surprises.

04 Nighttime Protection Operation

During specified nighttime hours, elevator will travel directly to the designated floor without responding to any hall calls to ensure the safety of the passengers.

05 Elevator Specific Floor Door Opening Inspection

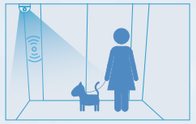
Enables the building management to move the elevator to a specific floor to facilitate inspection on suspicious passengers in the elevator. Once this function is activated, all car calls and hall calls shall be invalid, and the elevator instantly move to the specific floor.

REASSURING AND SECURE SYSTEM

01 Pet Friendly Operation

Enhance protection for passenger and pet using elevator via dynamic capture and intelligent indication.

- Pet detected at elevator lobby
- Voice announcement to remind owner to take care of their pet
- Pet indication light in car and lobby will be illuminated



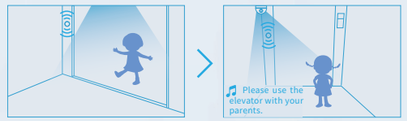
- Pet detected entering the car
- Pet indication light in car and lobby will be illuminated
- Voice announcement at lobby of other floors to inform waiting passenger

- Pet detected at the door opening zone, door remains open

- Pet was left alone in car, door remains open
- Voice announcement to remind owner to bring their pet along

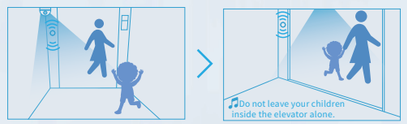
02 Children Friendly Operation

Prevent children from using the elevator alone or being left alone inside the elevator via the smart camera detection.



Children detected using the elevator alone

Elevator door remains open until the children exits



Children detected being left alone inside the elevator

Elevator door remains open until the children exits or being fetched

03 Unattended Object Detection

When an unattended object is detected in the car, a voice announcement will sound. At the same time the building management will be notified.

04 Electric Vehicle Detection And Alarm

When the smart camera detects the electric vehicle entering the car, a voice announcement will sound and door remains open. At the same time the building management will be notified.

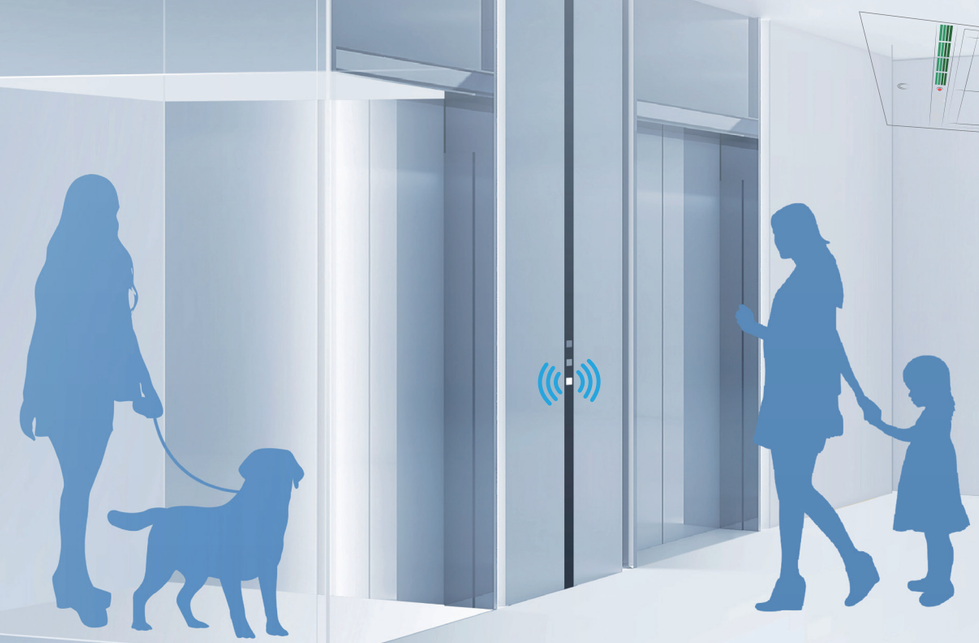
ELEVATOR "CLEAN" FEATURES

01 Antibacterial Button

By adding highly efficient antibacterial ions to the button surface, residual bacteria on the buttons can be effectively suppressed, ensuring passenger safety. Hitachi antibacterial buttons have been certified by SGS, with an antibacterial rate of over 99% against Escherichia coli and Staphylococcus aureus.

02 Ultraviolet, UV Sterilisation

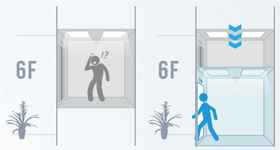
This function automatically detects and controls the ultraviolet sterilisation and disinfection lamp inside the car when the elevator is at idle (with no passenger) state, to achieve all-round sterilisation in the car.



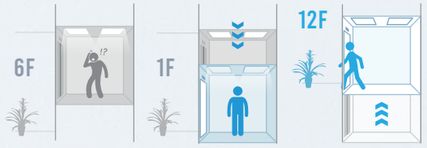
EMERGENCY RESCUE SYSTEM

01 Power Failure Emergency

- **Car Emergency Lighting**
  In the event of power failure, the car emergency lighting will be lighted up automatically.
- **Automatic Rescue Device (ARD)**
  In the event of power failure, elevator powered by the automatic rescue device (ARD) will run to the nearest service floor at slow speed, levelled and stop at the landing with door open to prevent passengers from being trapped.
- **Building Generator Operation**
  During power failure, the power supply system of the elevator will switch to building generator power automatically to maintain continuous operation of elevators.



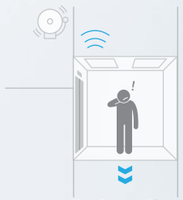
Automatic Rescue Device (ARD)



Building Generator Operation

02 Fire Emergency

- **Fire Emergency Operation**
  Upon receiving the fire signal, the elevator will automatically home to the fire return floor with its door open to let the passengers out. This ensure the safety of the passengers in the elevator.
- **Fireman Operation**
  After the elevator reaches the fire return floor with its door open, the fireman can use the elevator to perform rescue.



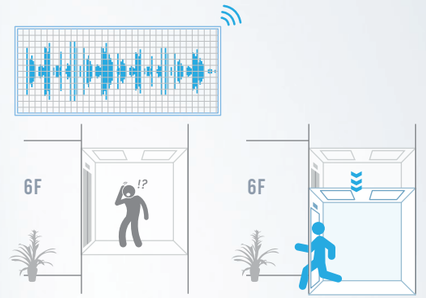
Fire Return Floor

03 Interphone System

When passenger presses the emergency call button on the car operating panel, they can communicate with the management in the machine room or monitoring center.

04 Earthquake Emergency Operation

When an earthquake is detected, the elevator system controls the running elevator to stop and levelled at the nearest service floor with its door open, to ensure the safety of passengers.



05 Pit Flood Operation

When there is water ingress in the pit and float switch is activated, the elevator will operate under pit flood control mode. The elevator will travel up to the evacuation floor and open the door for the passengers to leave. The elevator can only resume normal operation after the float switch is manually reset.

NOTE

NOTE