

A Famous Japan Elevator Brand with A Hundred Years'History

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**FUJI**  
All for dreams

## FUJI SERIES PASSENGER ELEVATOR

**FUJI LIFT KOREA CO., LTD**





## **CREATE SAFE AND COMFORTABLE MOBILE LIVING SPACE**

### **FUJI Passenger elevator**

FUJI elevator focuses on creation passenger elevator with superior quality,

Which is integrated perfectly with construction and environment,

And providing comfortable and reassuring mobile living space for passengers.

# INTELLIGENT AND ENDLESS SCIENTIFIC TECHNOLOGY

Three major system units, perfect operation under control

## FUJI ESC VVVF synchronic door-motor system

Advanced VVVF technology, high-speed digital signal processing system with flexible and accurate control over speed of portal crane.

Permanent magnet synchronic portal crane possesses function of low power consumption and dust and water prevention; comfortable and stable VVVF makes full-closed loop control over elevator, conserving 20% of energy effectively of portal crane operation; the stability of acceleration and deceleration can be ensured through special graphic velocity curve, making opening and closing door stable with lower noise.



## SmartBox intelligent main control system of FUJI

Highly integrated 32-bit double CPU, principle and subordinate mutual supervision improve data processing speed with perfect function and higher level of reliability; the embedded expert self-diagnostic system makes automatic diagnosis over reasons for malfunction in storage and display with powerful function and convenient as well as simple operation.



## F.I.T PMSM gearless machine of FUJI

The new generation of PMSM technology adopts rare earth materials, abversion structure, PMSM drive, and cancels turbine transmission in structure, as well as integrates sufficiently coaxial transmission technology, digital frequency conversion technology and group computer combination control technology, possessing characteristics of energy conservation and environmental protection, high efficiency and low noise, as well as stable performance and so on; its high power factor improves effectively operation efficiency, reduces cost for power consumption and realizes high standard of energy conservation.

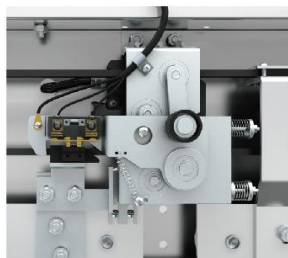


# SAFE AND COMFORTABLE, COMPREHENSIVE CARE

Enjoy happy arrival

## Anti-theft door device

The elevator door is equipped with anti-theft door device, effectively avoiding unexpected accidents caused by being opened in locking area. By this way, it improves the elevator's safety performance.



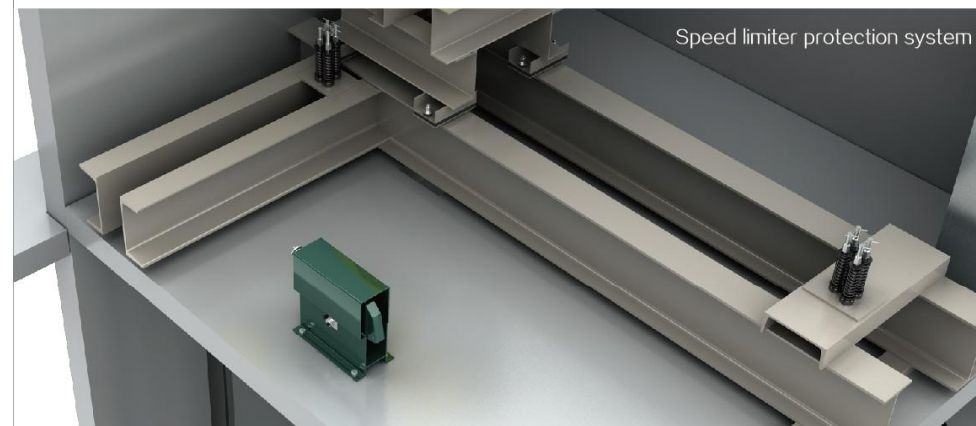
## Elevator monitoring system

Realize collection, systemization and optimization of operation data and malfunction information of media elevator and transmit to computer; adopt MCS exclusive software to display elevator status; user can make network control in computer to implement operation procedures with the purpose to monitor elevator operation within 365 days in 24-hour and give hint in voice. And send the fault messages to the mobile phones of maintenance staff.

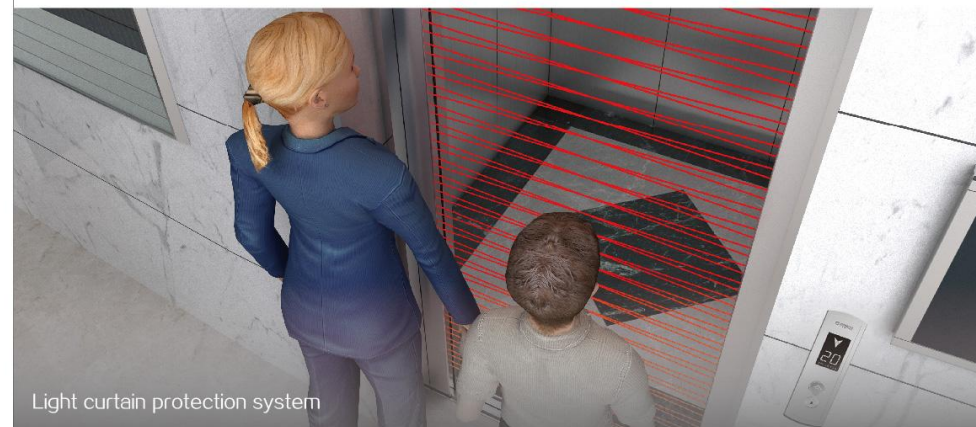


## Prevent the elevator car from accidental movement and over-speed running top and down

Prevent the elevator car from falling to the bottom and rising to the top out of control  
Prevent the elevator car from leaving the floors with door open  
Prevent the steel wire rope from slipping on traction wheel to move the elevator car  
Prevent the elevator car from fast operation under the short circuit condition of the door lock



Speed limiter protection system



Light curtain protection system



Safety gear protection system

# GREEN AND ENERGY CONSERVATION, ENJOY THE FUTURE

We make only ecological elevator

30%

Electric energy conservation



Cleansing electricity net



Extend service life of elevator

Save electrical energy by 30%

Eliminate pollution, purify environment of power grid

Thermal energy transformation; reduce temperature in machine room and extend service life of elevator

## Energy feedback technology

Energy feedback device realizes recycling and energy conservation of electric energy of elevator, conforming to new idea of energy saving building development.



## Group control deploying system of elevator

Shorten time for passengers to wait for elevator; reduce times of starting and operation of elevator; improve efficiency of group control of elevator, achieving energy conservation more than 30%.



## LED green light

Green and environmental friendly without hazardous substance like lead and mercury, with only need for direct current low pressure or alternating current electricity supply, conserving energy by more than 80% compared with traditional incandescent light bulb with power rate being 1 W without heat; the practical life service is generally 30 to 50 times of general lamps and lanterns.



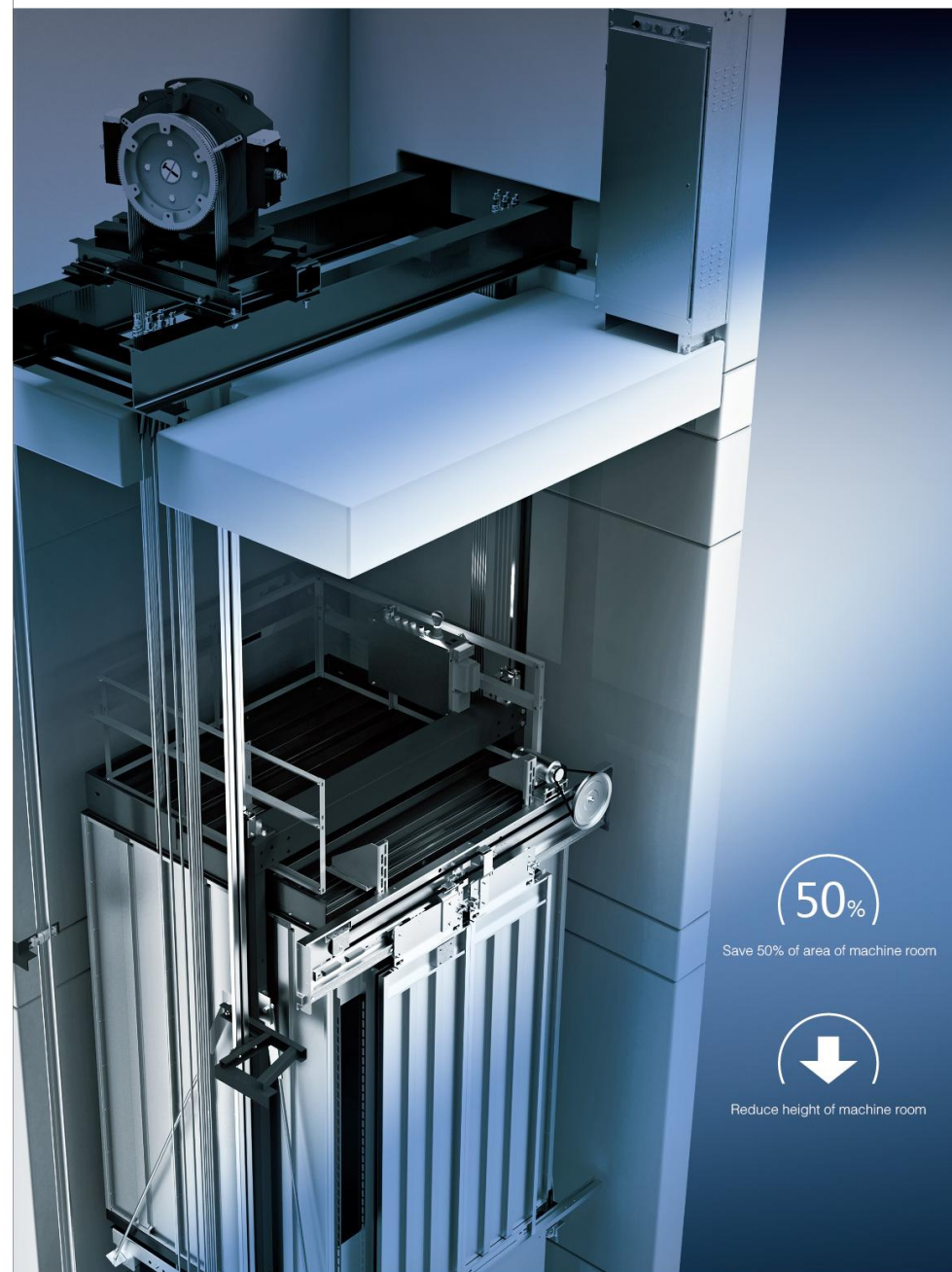
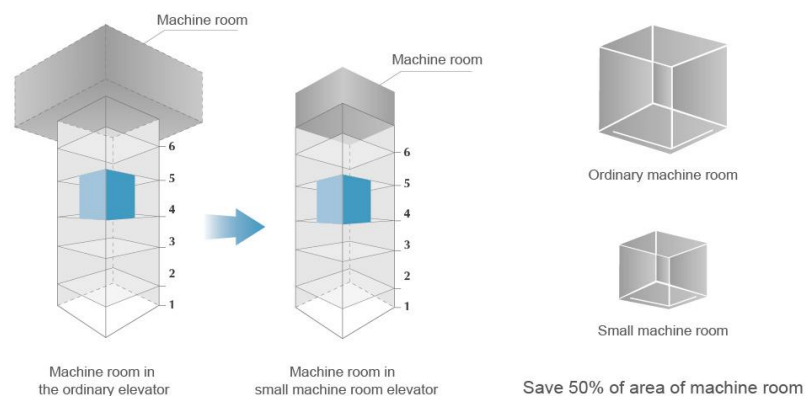


# SMALL MACHINE ROOM PASSENGER ELEVATOR CH-K5000

Flexible space, perfect performance

PMSM gearless drive system and top level computer data network system make machine room of elevator smaller with more compact arrangement; possessing outstanding performance of highly efficient energy conservation, spatial conservation, safety and comfort and so on.

- Machine room area overlaps with well area, saving 50% of area of original machine room.
- The height of machine room is reduced to take free use to precious construction space.



50%

Save 50% of area of machine room

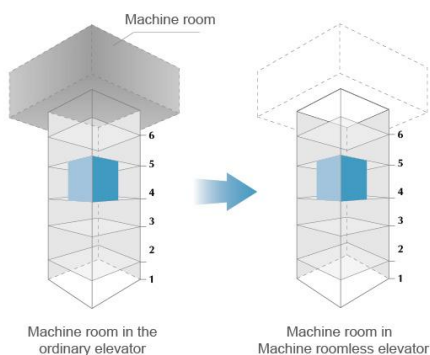


Reduce height of machine room

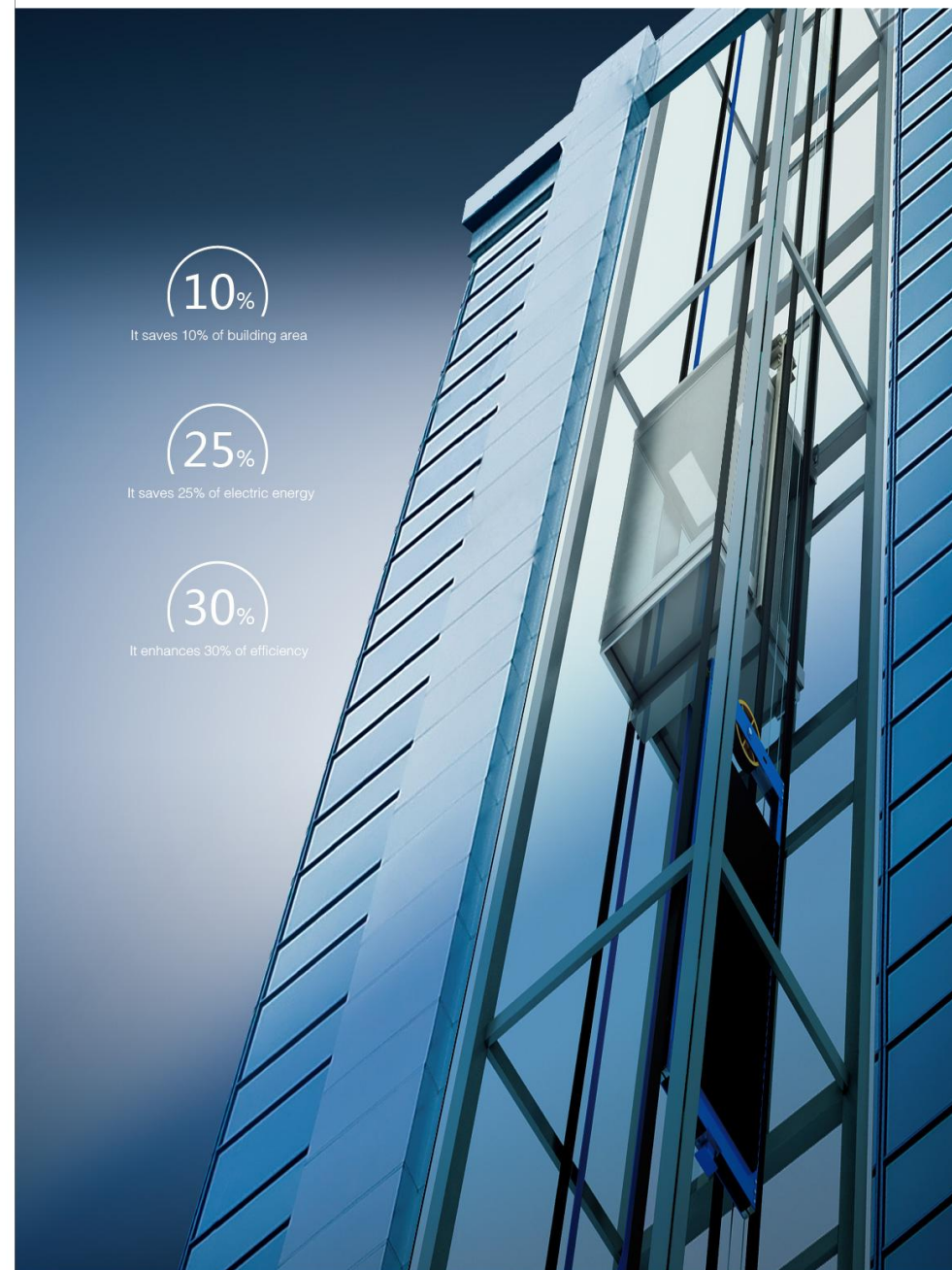
# MACHINE ROOMLESS PASSENGER ELEVATOR CH-WK5000

Create infinite possibility of space

CH-WK5000 elevator with no machine room saves machine room on the top of building, bringing about great flexibility to appearance design of building; adopts top-level design idea and mature control technology in the world, as well as elite computer data network system, displaying sufficiently humanistic intelligence and low-carbon environmental protection idea.



- The overall installation can be finished with well, reducing effectively cost of construction space.
- The elevator design with no machine room is smaller and more exquisite than traditional elevator, which is more flexible integrating into building.



10%

It saves 10% of building area

25%

It saves 25% of electric energy

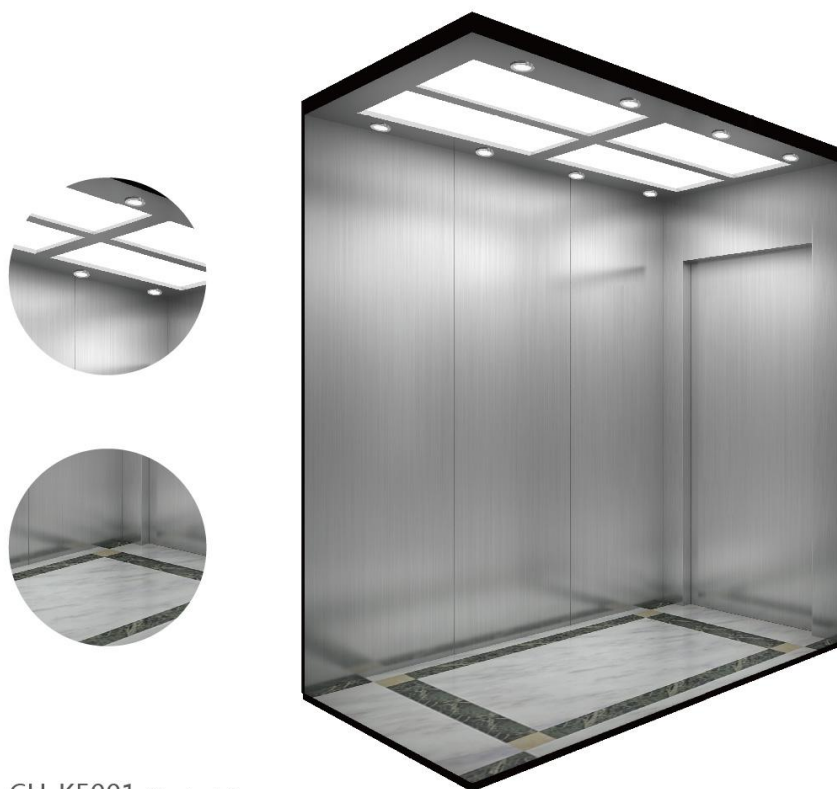
30%

It enhances 30% of efficiency



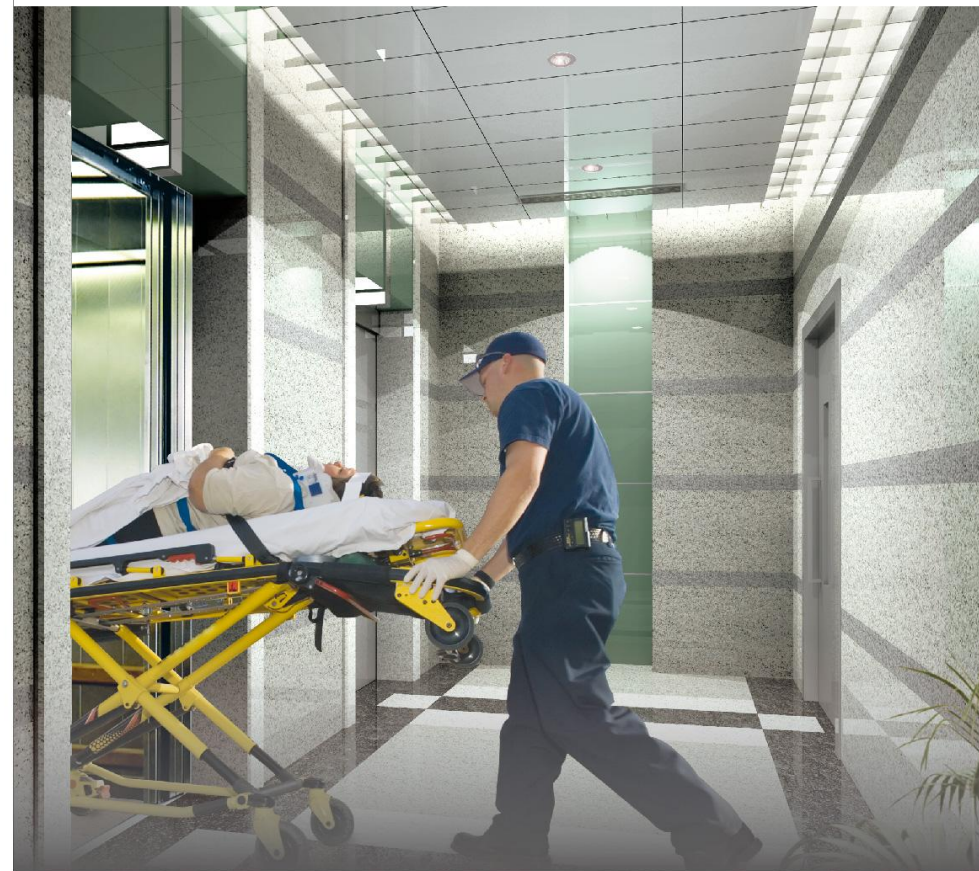
# STRETCHER ELEVATOR

People orientation, care about life



CH-K5001 Standard Car

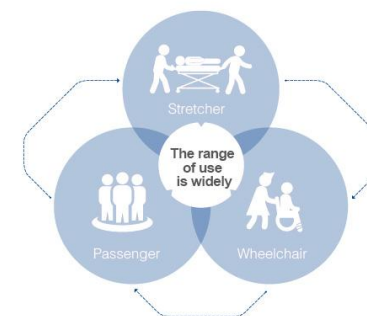
Ceiling: Stainless steel frame, acrylic top plate, LED lighting decoration  
Car wall: Hairline stainless steel Car bottom: PVC



Stretcher elevator cored on human being; elevator containing stretcher is exclusively designed targeting at residential building; the reasonable structure design establishes space to save life for first-aid transportation personnel.

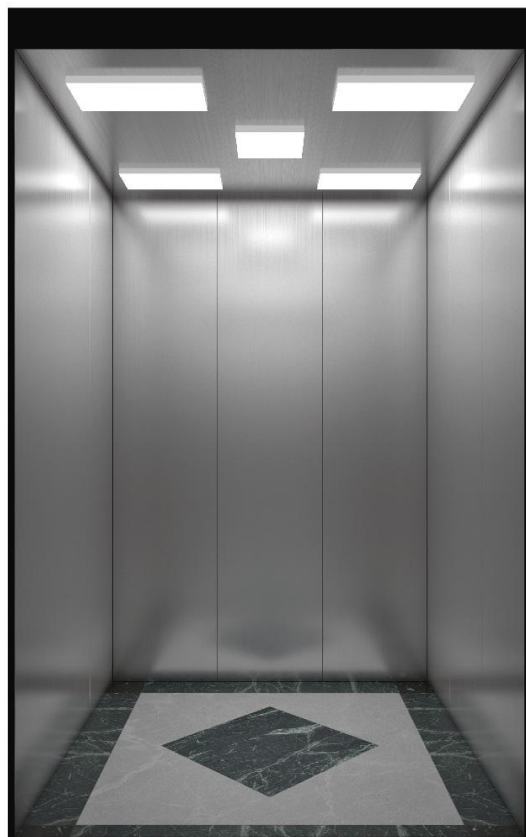
- Wide-ranging scope for rated loading capacity, which can carry passenger, stretcher and wheelchair.

- Empty aisle; appropriate radius of turning circle; smooth entering in and out of stretcher, which is convenient to provide first-aid for patients in residential building.





## FUJI RESIDENCE TYPE STANDARD CAR CONFIGURATION



CH-K5000

Ceiling: Stainless steel hairline frame, acrylic lighting decoration (Integrated)  
Car wall: Stainless steel hairline Car bottom: PVC Car door: Stainless steel hairline  
Operation panel: Dot matrix (red) embedded Outbound: Embedded



CZ10



WH10  
Single



WH10  
Double

## FUJI BUSINESS TYPE STANDARD CAR CONFIGURATION



CH-K5200



CZ20

8 "picture machine



WH20  
Single



WH20  
Double

CH-K5200

Ceiling: Hairline stainless steel, arched white sheet, LED illumination  
Car wall: Mirror etched, stainless steel hairline  
Car door: Stainless steel hairline  
Car bottom: PVC  
Operation panel: Integrated surface picture machine  
Outbound: Wall-mounted



CH-K5200A



CZ20A



WH20A  
Single



WH20A  
Double

CH-K5200A

Ceiling: Mirror stainless steel, arched white sheet, LED illumination  
Car wall: Stainless steel mirror, stainless steel hairline  
Car door: Stainless steel hairline  
Car bottom: PVC  
Operation panel: Integrated LCD (blue)  
Outbound: Wall-mounted



### CH-K5200B

Ceiling: Stainless steel frame, LED dome lighting, tube lamp  
Car wall: Mirror etched, stainless steel hairline  
Car door: Stainless steel hairline  
Car bottom: PVC



### CH-K5200C

Ceiling: Stainless steel frame, LED tube lamp  
Car wall: Mirror etched, stainless steel hairline  
Car door: Stainless steel hairline  
Car bottom: PVC



### CH-K5200D

Ceiling: Painted steel frame, LED lighting, tube lamp  
Car wall: Mirror etched, painted steel (French grey)  
Car door: Painted steel (French grey)  
Car bottom: PVC



C.O.P/HB: LCD (black) embedded  
Button: Yellow display

CZ10A



WH10A  
Single



WH10A  
Double



C.O.P/HB: LCD (blue) embedded  
Button: Blue display

CZ10B



WH10B  
Single



WH10B  
Double



C.O.P/HB: Dot matrix (red) embedded  
Button: Red display

CZ10C



WH10C  
Single



WH10C  
Double



### CH-K5202

Optional Car



Ceiling: Titanium stainless steel, wide arch white light panel's soft light LED illumination  
Car wall: Ti-plated finish, mirror finish, etching finish, hairline finish, vibration finish  
Car door: Titanium mirror stainless steel  
Handrail: Titanium gold St./St.  
Car bottom: Marbling  
Operation panel: Integrated titanium mirror surface picture machine

### CH-K5203

Optional Car



Ceiling: Ti-plated stainless steel mirror, spotlight  
Car wall: Ti-plated mirror etching, Ti-plated hairline  
Car door: Ti-plated stainless steel mirror  
Handrail: Ti-plated handrail  
Car bottom: Marbling  
Operation panel: Integrated titanium mirror surface picture machine





## FUJI CAR DECORATION

### CH-K5205

Optional Car

Ceiling: Stainless steel mirror, LED dome light,  
tube lamp  
Car wall: Three sides mirror surface etching, hairline  
Car door: Stainless steel hairline  
Handrail: Stainless steel handrail  
Car bottom: Imported marble  
Operation panel: Integrated surface picture machine



### CH-K5206

Optional Car

Ceiling: Stainless steel mirror, LED acrylic light,  
tube lamp  
Car wall: Combination of mirror stainless steel  
and solid wood  
Car door: Stainless steel mirror  
Handrail: Titanium gold handrail  
Car bottom: Imported marble  
Operation panel: Integrated surface picture machine



### CH-K5208

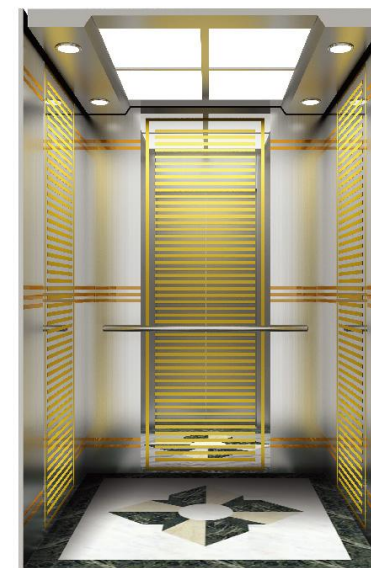
Optional Car

Ceiling: Stainless steel mirror, LED acrylic light,  
tube lamp  
Car wall: Combination of rose gold etched  
stainless steel mirror and etched  
stainless steel hairline  
Car door: Stainless steel mirror  
Handrail: Flat handrail  
Car bottom: Imported marble  
Operation panel: Integrated surface picture machine

### CH-K5210

Optional Car

Ceiling: Hairline stainless steel, transparent board  
in the middle and LED down lamp  
Car wall: Three titanium mirror surfaces combined  
with etching stainless steel  
Car door: Mirror stainless steel  
Handrail: Stainless steel round pipe  
Car bottom: Imported marble  
Operation panel: Integrated surface picture machine



# FUJI

## CLASSIC DECORATION

### Operation Panel (Optional)



### Ceiling (Optional)



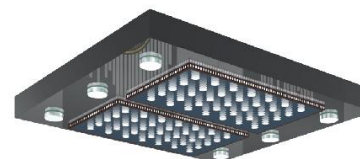
DD100

Carve white acrylic and golden tube lamp for soft illumination design



DD101

Circle cave transparent light and vaulted white transparent parent light board for soft illumination design



DD102

Multi-layer glisten board with four sides of transparent hole and organic lamp for illumination design



DD103

Vortical square image main body board and tube lamp combining for soft illumination design

### Handrail Series (Optional)



### Floor Series (Optional)



Note: Because of restrictions in aspect of printing craft and technology, there will be slight difference between colors in this catalogue, the final model selection can be decided according to the actual material and color specimen.



# FUJI

## CLASSIC DECORATION

Landing door (Standard)

### CM500

Jamb: The superior stainless steel plate (small jamb)  
Landing door: The superior hairline stainless steel plate  
Sill: Aluminum section material

Landing Door and Jamb: Hairline stainless steel is adopted for the first floor and painted steel plate is adopted for other floors.



### CM501

Jamb: Painted steel plate small jamb (color optional)  
Landing door: Painted steel plate (color optional)  
Sill: Aluminum section material

Optional color

SK600	SK601	SK602
SK603	SK604	SK605

( Please refer to actual product' s color)



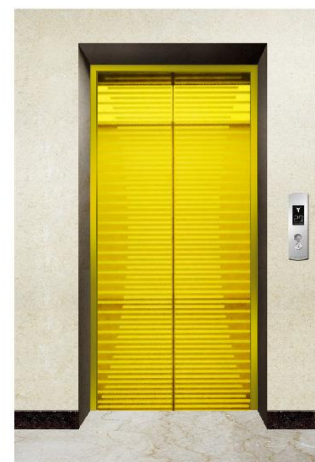
### CM510 Optional

Ti-plated finish, mirror finish, etching finish, vibration finish



### CM512 Optional

Mirror finish, etching finish, hairline finish



### CM511 Optional

Mirror ti-gold etched St.St



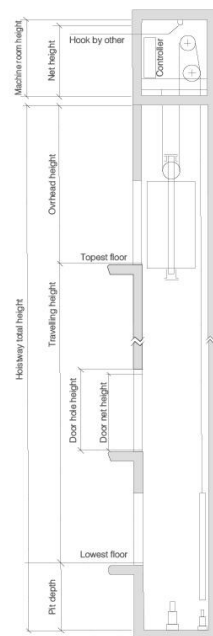
### CM513 Optional

Mirror finish, etching finish, hairline finish

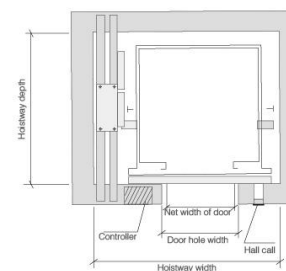
# MACHINE ROOMLESS PASSENGER ELEVATOR

## CONSTRUCTION PARAMETERS

CH-WK5000



Hoistway section



The diagram illustrates the dimensions of a car lift within a hoistway. Key dimensions labeled include:
 

- Hoistway depth:** The vertical distance from the top of the hoistway to the bottom of the car.
- Car width:** The horizontal distance between the side rails of the car.
- Car depth:** The vertical distance from the top of the car to the bottom of the car.
- Net width of door:** The horizontal distance between the inner edges of the door frames.
- Door hole width:** The horizontal distance between the outer edges of the door frames.
- Hoistway width:** The total horizontal width of the hoistway.
- Hall call:** The distance from the door frame to the hall call button.

The diagram illustrates a vertical lift system with the following components and dimensions:

- Dimensions:**
  - Overhead height:** The distance from the top of the shaft to the top of the door frame.
  - Door hole height:** The height of the opening in the door frame.
  - Net height of door:** The height of the door itself.
  - Travelling height:** The distance between the top and bottom floors.
  - PE depth:** The depth of the platform extension.
- Labels:**
  - Hook by others:** A hook mechanism at the top of the shaft.
  - Toppest floor:** The uppermost floor level.
  - Lowest floor:** The lowermost floor level.
- Components:**
  - A pulley system at the top of the shaft.
  - A counterweight system at the bottom of the shaft.
  - A door frame and door at the toppest floor.
  - A platform extension (PE) at the lowest floor.

Hoistway section

[illegible]



## FUNCTIONS

S-Standard function; O-Optional function

S	VVVF drive	Motor rotating speed can be precisely adjusted to get smooth speed curve in lift start, travel and stop and gain the sound comfort.
S	VVVF door operator	Motor rotating speed can be precisely adjusted to get the more gentle and sensitive door machine start / stop.
S	Independent running	The lift can not respond to outer calling, but only respond to the command inside the car through the action switch.
S	Automatic pass without stop	When the car is crowded with the passengers or the load is close to preset value, the car will automatically pass the calling landing in order to keep maximum travel efficiency.
S	Automatically adjust door opening time	Door-open time can be automatically adjusted according to the difference between landing calling or car calling.
S	Reopen with hall call	In the door shutting process, press reopen with hall call button can restart the door.
S	Express door closing	When the lift stops and opens the door, press door-shut button, the door will be closed immediately.
S	Car stops and door open	The lift decelerates and levels, the door only opens after the lift comes to a complete stop.
S	Car arrival gong	Arrival gong in the car top announces that the passengers arrive.
S	Command register cancel	If you press the wrong floor command button in the car, twice continuous pressing of the same button can cancel the registered command.
S	Photocell protection	In the door open and shut period, infrared light that covers the whole door height is used to probe the door protection device of both the passengers and objects.
S	Designated stop	If the lift can not open the door in the destination floor out of some reason, the lift will close the door and travel to the next designated floor.
S	Overload holding stop	When the car is overload, the buzzer rings and stops the lift in the same floor.
S	Anti-stall timer protection	The lift stops operation due to slippery traction wire rope.
S	Start protection control	If the lift does not leave door zone within the designated time after it gets started, it will stop the operation.
S	Inspection operation	When the lift enters into inspection operation, the car travels at inching running.
S	Fault self-diagnosis	The controller can record 62 latest troubles so as to quickly remove the trouble and restore the lift operation.
S	Repeated door closing	If the lift can not close the door due to certain obstacle or interference, the lift will reopen or re-shut the door until sundries are eliminated.
S	Up/down over-run and final limit protection	The device can effectively prevent from the lift's surging to the top or knocking the bottom when it is out of control. It results in more safe and reliable lift travel.

S	Down over-speed protection device	When the lift downs 1.2 times higher than the rated speed, this device will automatically cut off control mains, stop the motor running so as to stop lift down at over-speed. If the lift continues to down at over-speed, and the speed is 1.4 times higher than rated speed, safety tongs act to force the lift stop in order to ensure the safety.
S	Upward over-speed protection device	When the lift up speed is 1.2 times higher than rated speed, the device will automatically decelerate or brake the lift.
S	Micro-touch button for car call and hall call	Novel micro-touch button is used for operation panel command button in the car and landing calling button.
S	Floor and direction indicator inside car	The car shows the lift floor location and current travel direction.
S	Floor and direction indicator in hall	The landing shows the lift floor location and current travel direction.
S	Emergency car lighting	Emergency car lighting automatically activated once power failure.
S	Inching running	When the lift enters into emergency electric operation, the car travels at low speed inching running.
S	Five way intercom	Communication amid car, car top, lift machine room, well pit and rescue duty room through walkie-talkie.
S	Bell	In emergency conditions, if bell button above car operation panel is continuously pressed, electric bell rings on top of the car.
S	Fire emergency return	If you start key switch in main landing or monitor screen, all the callings will be cancelled. The lift directly and immediately drives to the designated rescue landing and automatically opens the door.
S	Car ventilation, light automatic shut off	If there is no calling or command signal within the stipulated time, the car fan and lighting will be automatically closed in order to save the energy.
S	Remote shut-off	The lift can be called to main landing (after finishing the service) through the key switch and automatically exists the service.
O	Leveling when power failure	In normal power failure, the chargeable battery supplies the lift power. The lift drives to the nearest landing.
O	Anti- nuisance	In the light lift load, when three more commands appear, in order to avoid the unnecessary parking, all the registered callings in the car will be cancelled.
O	Open the door in advance	When the lift decelerates and enters into door open zone, it automatically opens the door to enhance the travel efficiency.
O	Direct parking	It completely accords with distance principle with no crawling in the leveling. It greatly enhances the travel efficiency.
O	Duplex control	Two sets of same model lifts can unanimously respond the calling signal through the computer dispatch. In this way, it reduces the passengers' waiting time to the greatest extent and enhances the travel efficiency as well.
O	Voice announcer	When the lift normally arrives, voice announcer informs the passengers about the relevant information.
O	Car assistant operation box	It is used in the large loading weight lifts or the lifts with crowded passengers so that more and more passengers can use the car.
O	Operation box for the handicapped	It is convenient for the wheelchair passengers and those who have vision problems.
O	Intelligent calling service	The car command or hoist-way calling can be locked or connected through special Intelligent Input.
O	Remote monitor	The lift long-distance monitor and control can be fulfilled through modem and telephone. It is convenient for the factories and service units to timely know the travel conditions of every lift and promptly take the corresponding measures.
O	Camera function in the car	The camera is installed in the car to monitor the car conditions.



## SERVICE AND PRODUCT

FUJI elevator sets elevator 4S service center in each region,

across the country and is committed to providing for global clients with high-standard,

all direction elevator service with superior products,

perfect after-sale service by inheritance of cultural connotation of enjoying wonder commonly,

allowing each user from China to the world feel wonder of FUJI-



Professional team



Convenient service



Service line



Professional maintenance

## COEXIST WITH PRODUCT WITH SPECIALIZATION

- FUJI possesses professional power for maintenance, eliminating malfunction before its occurrence
- FUJI sets branches in main cities across the country, providing convenient service for local clients, including supply of parts and response time;
- FUJI provides 24-hour client hot line for eliminating emergent malfunction, providing you with service for the first time.
- FUJI makes examination over operation status by regular dispatching of personnel, allowing your equipment gain the most professional maintenance.

