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Kurdistan Region - Erbil - Bakhtiari



Clever Elevator

Keep Running, As A Beating Heart of your Building!



BRIEF INTRODUCTION

We are a group of deep and professional elevator practitioners. Decades of experience tell us that there are still many problems of elevator industry have to be settled urgently. Such as development of customized designs, shortage of local elevator engineers, elevator installation control, nonstandard of aftersales service operation, and outdated elevator agents & partners cooperation mode, etc.

Most of elevator suppliers take them seriously, they just provide same normal elevators and services, and they think business is over when elevator sold out. Such debated business way unable to meet local service needs for clients from oversea market.

Therefore, we build our company, CL elevator which is determined to focus on local service while providing customized elevators, we will try to support and cultivate local agents and partners, to raise elevator business cooperation to be a new higher level.

We are a young company, but our staffs are all much professional deeply in elevator industry. Such as workshop workers who have 5-15years proficient experience in operating, technical engineers who already worked for 20-30 years practices, sales who finally be qualified here already much trained, seriously selected, strictly valuated. We believe our team can provide you the most attentive service to you.

We always think that: Firstly, elevator business is not only a product, but also a kind of service. Secondly, for our partners, our aim is not only make you gain money, but also try our best to Support and cultivate you to grow up with us. Thirdly, we believe in team work, the power of individual is limited, but the power of team is infinite.

It is always a pleasure to greet you to talk about cooperation plan with us. We work together, happy together!



PRODUCT INTRODUCTION



Passenger Elevator

Our passenger elevators help people reach the floors quickly, comfortably, safely, and run quietly which is especially important at night. We make elevators be integrated into the buildings, and try to help building owners to reduce cost for total elevator lifetime with excellent solutions.



Panoramic Elevator

Our panoramic elevators are generally running in open environments like shopping malls, hotels, office buildings etc. We have various of designs for cabins which are elegant and beautiful, attract people's attention greatly. Your buildings must reach a higher level with our panoramic elevators.



Home Elevator

With our home elevator solutions, you can bring your ideal vision to life. We have a variety of cabin designs, there is always one for you. Even no pit, or the space limited, we can design a matched home elevator for you.



Hospital Bed Elevator

Our hospital bed elevators have large capacity and wide opening doors to accommodate stretchers, beds and other medical equipment, precise levelling to allow easy access for wheelchairs.



Escalator

Our serial escalators use reliable materials and branded parts, with strong structure, to keep escalators smooth running for long time with lower noise and low-cost maintenance. They become indispensable part of shopping malls, multiplex cinema, museums, train and metro stations, airports etc.



Freight Elevator

Our freight elevators are specially designed for the transportation of cargoes, big door opening, spacious cabin, strong structure, to ensure safe and steady running when loading large cargoes and people. They are the best transportation machines for factories, warehouses, and malls etc.



Moving Sidewalk

Our serial escalators use reliable materials and branded parts, with strong structure, to keep escalators smooth running for long time with lower noise and low-cost maintenance. They become indispensable part of shopping malls, multiplex cinema, museums, train and metro stations, airports etc.



ELEVATOR PROFILE VIEWS



SAFETY PARTS

Main engine brake: Motor brake can precisely stop motor running to stop elevator runs in abnormal speed.



Door lock: There is the cam body set in the switching range of the door of the elevator room in the lifting pathway. The cam body used to specify the opening and closing zone of the elevator door is arranged on the side wall of the elevator door, and is combined with the mobile selection component to restrict the opening of the door of the elevator room outside the opening and closing zone of the elevator door.



Safety gear: Safety gear is suitable to be installed on the two sides or bottom of the lower beam. When the car descends at excessive speed, following the actuation of the speed governor, the speed governing wire rope will lift the rocker arm and enable the safety gear clamping the guide rails and stop the car to protect people inside.



Buffer: Elevator buffers are designed to protect people and equipment from forces generated from an impact resulting from equipment failure or operator error. To minimize the damage of elevator accident.



Overload device: The overload device can prevent the elevator door from closing, when the load of the elevator exceeds its rated load. In the meanwhile, buzzer or display warning.



Overspeed governor: Overspeed governor is generally installed in machine room or on top of guide rails- If the elevator descends more than 115% of rated speed, the overspeed governor will find this emergency immediately and actuate safety gear action and stop the car, playing the role of over-speed protection.



Limit switch: Limit switch is also called travel switch, is a popular small current main electrical appliances. Use the collision of mechanical moving parts to connect or break the control circuit, to achieve a certain control purpose. It can protect elevator running in a safe distance.



Light curtain protection: The infrared receiver with rays is applied to form an infrared protection network outside the elevator door, which enhances the reliability of the whole elevator system as well as provides passengers with maximum security assurance.



PASSENGER ELEVATOR

Normal Configuration

Passenger elevator, it's not just a loading machine, it become a part of people's life.



Small Machine Room Passenger Elevator

255 mm

Reduce the height of the machine room 255mm

40%

Small machine room elevator, save machine-room area



Machine Roomless Passenger Elevator

100%

Machine roomless elevator, pure utility of construction area

25%

It saves 25% of electric energy



CL-P01A

(Standard)

Ceiling: Hairline stainless steel+LED lights

COP: CL-CZ001 (standard)

Car walls: Hairline stainless steel plate

Car door: CL-T01

Floor: PVC/Marble



CL-D02



CL-F01



CL-CZ001

CL-WH002



CL-T01

Hairline Stainless Steel



CL-T02

Mirror Stainless Steel



CL-T03

Painted Steel



CL-T04

Safety Glass

PASSENGER ELEVATOR



CL-T05



CL-T10



CL-T13



CL-T70



CL-T17



CL-T21



CL-T61



CL-T81



CL-T62



CL-T64



CL-T65



CL-T88

MODERN & CONCISE STYLE



CL-P01



CL-P02



CL-P03



CL-P06

LUXURY & ROSE GOLD STYLE



CL-P28



CL-P33

INNOVATIVE & ELEGANT STYLE



CL-P08



CL-P11



CL-P14



CL-P15

GRAND & DAZZLE GOLD STYLE



CL-P39



CL-P40

NOBLE WOOD-GRAIN STYLE



CL-P18



CL-P19



CL-P22



CL-P23

MORE ETCHING STAINLESS STYLE



CL-P50



CL-P61

PANORAMIC ELEVATOR

Panoramic elevator, a new kind of elevator which not only for loading people from one floor to another floor: It brings people sightseeing experiences when they use, and becomes a nice view in the place.



Semicircle Type Panoramic Elevator



CL-G01
(Standard)

Car over: Steel plate baking finish
 Observation wall: Laminated glass
 Decoration roof: CL-D17
 Car wall: Hairline stainless steel
 Handrail: Stainless steel pair tube
 Floor: PVC/Marble



CL-D17
 Central image arch, stainless steel base plate is supplemented with soft lighting design of down lamp at both sides.



CL-HG04
 Pair stainless steel tube for handrail



CL-F25
 PVC/Marble

Exquisite car

Different styles, elegant and beautiful elevator decoration scheme, can perfectly match all kinds of building appearance and interior decoration.

Square Type Panoramic Elevator



CL-G12
(Standard)

Car over: Painted Steel plate, acrylic lighting decoration
 Observation wall: square, glue glass of safety clamp
 Decoration roof: CL-D14
 Car wall: Hairline stainless steel
 Handrail: Stainless steel tube
 Floor: PVC/Marble



CL-D14
 Stainless steel mirror base plate is supplemented with golden down lamp and car wall- Central pan consists of soft lighting design of arched white light-emitting panel.



CL-H01
 Matte short-grain stainless steel pipe



CL-F18
 PVC/Marble

PANORAMIC ELEVATOR

PANORAMIC ELEVATOR (SEMICIRCLE TYPE)



CL-G02



CL-G03



CL-G04



CL-G05



CL-G06



CL-G07

PANORAMIC ELEVATOR CABINS

FREIGHT ELEVATOR

Freight elevator, more and more popular using in buildings. It has big loading from 1000kg to 10000kg, most efficient machine for cargo loading.



Side Opening

CL-FE01

(Standard)

- Car top: Painted steel
- Ventilation: Circular fan
- Car wall: Painted steel
- Car door: Painted steel
- Car floor: Chequered plate steel
- Sill: Iron

Side Opening(This is for reference only)



Your Goods Transportaion Export

- ◆ The worm-and-worm-wheel traction technology, and other advanced driving and feedback technologies, such as vector control and distance control, are used to make the elevator demonstrate perfect running quality.
- ◆ Realizing precise and stable leveling with lower noise, adopt highly intensive profile making for sturdy and durable use.
- ◆ Large door opening space, adopt multi-folds lift car door to achieve maximum width for door opening, which is convenient for ingress and egress of large goods.

2- Panels Center Opening

CL-FE02

- Car top: Painted steel
- Ventilation: Circular fan
- Car wall: Painted steel
- Car door: Painted steel
- Car floor: Chequered plate steel
- Sill: Iron





HOME ELEVATOR

Home elevator, it's not only an elevator in the house, but also a household appliance which upgrades people's home life.

CL professional home elevator adhere to the product concept of "Precision, Customization, Profession", applies more advanced intelligent and secure technology, chooses more superior materials and equipment, to be the upgraded choice of modern people who pursue good life quality.

Shaft Farme

Circle internal and external glass structure

Semicircle external glass structure

Square external glass structure

Shaft glass color optional selection



Frosted glass



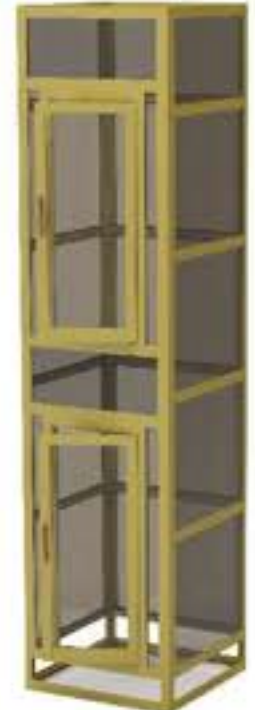
Transparent glass



Brown glass



Dark grey glass



Traction-type Home Elevator

It doesn't need a dedicated machine room. Occupies a small area in shaft. Has low requirements for the top height and the pit depth. It is suitable for various villa structures. Runs stably, without unbalance loading.



Steel Belt-type Home Elevator

It changes the traditional main motor technology, adopts the design integrating driving wheels and traction rods. The efficiency of its main motor is 20% higher than that of drive motors. The composite flat steel belt has features like high wear resistance and low vibration, which ensures stable and quiet running for long time.



Different Doors Of Home Elevator



Mirror stainless steel



Short hairline stainless steel (Anti-fingerprint)



Automatic glass door



Rose gold stainless steel



Rose gold mirror etching stainless steel



Titanium mirror etching stainless steel



Glass door with gold frame by hand



Glass door with by hand

HOME ELEVATOR

MODERN & CONCISE STYLE



CL-J01



CL-J02



CL-J03



CL-J25



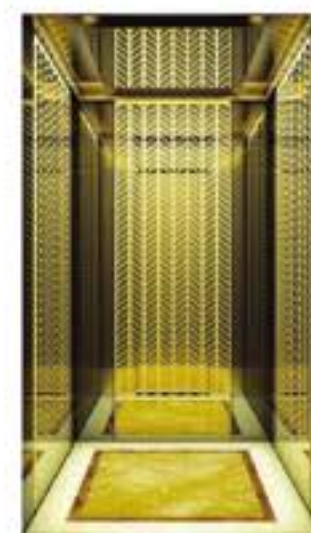
CL-J26



CL-J27



CL-J13



CL-J14



CL-J15

CAR OPERATION PANEL (C.O.P)

HALL OPERATION PANEL (H.O.P)

More C.O.P Options

C.O.P & H.O.P



CL-CZ004



CL-CZ005



CL-CZ006



CL-CZ007



CL-WH001



CL-WH002



CL-WH003



CL-WH004



CL-WH005



CL-WH006



CL-WH007



CL-WH008



CL-WH009



CL-WH010



CL-WH011



CL-WH012



CL-WH013



CL-WH014



CL-WH015



CL-WH016

EIGHT SAFETY DESIGNS



1 Handrail entry protection

Safety protective device is installed at handrail entry. The escalator will stop running when unknown objects are clamped at handrail entry.



2 Step sagging protection

In order to guarantee the passengers' and equipment's safety the escalator will stop running when the step is sagging or broken.



3 Drive chain protection

The escalator will stop running when the drive chains are over-pulled or broken.



4 Anti-reversal protection

Speed and running direction sensors are installed at machine side. The machine will safety brake when the escalator makes non-operating reverse.



5 Step chain break protection

The escalator will stop running when the step chain is broken, over-pulled or over-shortened.



6 Comb plate protection

When unknown objects are placed in between moving steps and static comb plate, the safety switches installed to monitor two sides of comb plate will be activated, thus the escalator will stop running.



7 Emergency stop button

The escalator will stop running when the button is pressed.



8 Landing plate opening protection device

The landing plate safety switch will be activated when landing plate is opened, which will cut off the safety circuit and the escalator stops running.



Standard Features

Control

	Advanced Door Opening	To improve performance time, the doors will begin opening as the car approaches a landing.
	Automatic Car Return	When there are no further car or hall calls, the car will return and automatically park at a specified landing.
	Cut-off Hall Call Switch	When activated this feature disables all hall calls, but allows the normal operation of car calls. When the car has no further demand, it parks with its doors opened at the last landing served.
	Door Close Button	For immediate door closure, this button cancels the remaining door dwell time.
	Door Open Button	By applying constant pressure to this button, the doors will remain open or reverse direction when closing.
	Full Collective Operation	Registered car and hall calls are answered in the order in which the landings are reached. The direction of travel is established by the first registered car command or hall call.
	Load Non-stop	When a car is loaded to a predetermined percentage of capacity, weight-sensing devices are activated, causing the car to bypass further hall calls.
	Load Weighing Device	Carload is measured to ensure that proper starting torque is applied to the motor.
	Separate Car and Hall Call Door Times	The time that an elevator door remains open after a stop differs between hall and car calls. Generally, more time is needed for a car to respond to hall calls.

Communication

	Car Position Indicator	This feature displays car position, running direction, fire service and overload signals.
	Hall Position Indicator	This feature includes a 16-segment LED position and direction indicator.

Comfort

	Brake Drop Soft	This feature allows adjustment of the braking time, thereby controlling the brake noise level.
	Fan	To save energy, the fan will automatically turn off when there is no call signal within a designated period. A switch in the COP is also provided to control the fan operation manually.

Emergency

	Emergency Car Light Unit	To ensure the minimum lighting requirement in a car, a rechargeable emergency supply will automatically switch on if the normal lighting supply fails.
	Emergency Rescue Operation	This feature facilitates the rescue and evacuation of trapped passengers. When activated by a switch in the controller, all operations will be terminated and passengers will be released at the nearest landing.

Safety

	Door Time Protection	When the doors fail to open or close, the elevator will remove itself from group control, retry to open or close its doors and sound the buzzer in the car. After three unsuccessful attempts, the car will be shut down.
	LAMBDA® LC	This is an infrared curtain door protection device. If the system detects an obstruction, the doors swiftly and smoothly open to avoid any contact.
	Overload Device	When the load in the car exceeds capability, the in-car buzzer will sound and the overload lamp will be illuminated. The elevator will remain at the landing with the doors open.
	Reverse Phase Protection	The elevator automatically detects power supply phase reversal and stops immediately to protect the machine.

Misuse Prevention

	Anti-Nuisance Car Call Protection	When the weight of passengers in the car is not more than 10% of rated car duty, and four or more car calls are registered, all car calls are cancelled automatically.
	Nudging	If the doors are prevented from closing for a fixed period of time, a buzzer sounds and the doors begin to close at a reduced speed.

Service

	Car Call to Bottom Landing	This button is located in the controller. When pressed, the car is moved to the bottom landing.
	Car Call to Top Landing	This button is located in the controller. When pressed, the car is moved to the top landing.
	Car Light Control	This feature automatically switches off the car light in parked cars.
	Door Zone Indicator	For manual recovery and Emergency Rescue Operation, this feature indicates the car is in the door zone.

Optional Features

Control

	Attendant Service Operation	By activating this switch located in the COP, the car can be manually operated, independently from other cars in the group.
	Independent Service	By activating this switch in the COP, the car will be disconnected from the group, permitting it to respond to registered car calls independently.
	Parking and Shutdown Operation	When this feature is activated, the car will discontinue serving any hall or car calls. After responding to the last car call, the car will go to a designated floor and shut down.
	Two-Three Cars Group Operation Control	The elevator control system can handle two to three cars in a group. This feature will dispatch cars to respond to calls according to traffic status and relevant service requirements.

Communication

	Car Chime	When the car arrives at a landing, the chime on top of the car will be activated as an arrival tone.
	CCTV Cable	A video cable can be provided to connect a CCTV camera in the car to the machine room. (Video camera and monitoring device not supplied by Otis)

Comfort

	Door Hold Button	The elevator doors will remain open for a specified period of time if this button is pressed.
	Second Car Operating Panel	A Second Car Operating Panel can be installed in the car for more convenient passenger floor selection.

Emergency

	Emergency Fireman Service	This feature automatically places the car at the designated return landing with the doors fully open; the fireman can then enter and manually operate the elevator.
	Emergency Power Operation	This feature is activated during power supply failure. Cars will be sent to designated landings and remain idle with their doors opened.
	Top of Car Emergency Exit	The emergency car top exit can be manually opened from the outside and used for the rescue and evacuation of passengers.

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