



**上海中奥房设电梯有限公司**  
(原上海房屋设备有限公司)

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—— 载货电梯 ——



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# 公司介绍

## COMPANY INTRODUCTION

上海中奥房设电梯有限公司前身为上海特种电梯厂，成立于1952年，由原美国奥的斯电梯公司，英国怡和洋行，瑞士迅达电梯公司在沪的电梯从业人员合并组成，后更名为上海房屋设备有限公司。1982年开始生产防爆电梯，1988年首批获得国家建设部颁发的电梯生产、安装许可证，并于1999年正式通过ISO9001质量体系认证。是我国最早从事电梯产品设计、开发、制造、销售、安装、维修和保养的专业电梯企业之一，是国家建设部首批电梯生产定点企业。

为进一步扩大企业规模，提高公司的生产能力，为客户提供更方便快捷的服务，为员工提供更好的办公环境，公司于2009年投入资金在上海市嘉定区建造新办公楼、厂房及试验塔，新工厂占地面积超过两万两千平方米，试验塔高度七十米，工厂分为三个超大型厂房车间，拥有包括进口日本AMADA及瑞士百超数控多工位冲床、数控折弯机、数控剪板机等一整套先进的现代化电梯制造设备，2014年3月新工厂正式投入运营。2015年2月，上海房屋设备有限公司生产经营涉及的电梯制造等业务全部转由下属全资子公司上海中奥房设电梯有限公司承接，注册资本增资为1.5亿元，实现了新的飞跃。

目前公司分别在北京、四川、河南、浙江等区域设立了分部，生产的各类电梯产品已遍布全国各地，并远销瑞典、伊朗、俄罗斯、伊拉克、孟加拉国、越南、文莱、印度尼西亚、阿联酋、巴基斯坦等国家。

今天，上海中奥房设电梯有限公司处在中国最大的商业城市与经济中心的上海，凭借着一支专业的员工队伍、雄厚的技术实力和坚实的经营资本，本着“以品质与服务为第一”的经营服务理念，不懈努力，致力于为您营造“安心、安全、舒适、节能”的乘坐感受，成为您的专属电梯定制服务专家。

Shanghai Zhong Ao Building Equipment Elevator Co., Ltd was originally Shanghai Special Elevator Factory. It was founded in 1952 by the members from Otis Elevator Company (U. S.), Jardine Matheson (U. K.) and Schindler Group (Switzerland), renamed Shanghai Building Equipment Co., Ltd. In 1982, the company started to produce Explosion-proof Elevators. In 1988, it was one of the first companies to receive the elevator manufacturing and installation certifications by Ministry of Construction. In 1999, it received the ISO9001 Quality System Certification. It is one of the first professional companies to design, develop, manufacture, sell, install, repair and maintain elevators in China. Also, it was one of the first designated elevator manufacturing enterprises approved by Ministry of Construction.

In 2009, in order to scale up to improve production, to provide better services and to create a better working environment, we built the new office building in Jiading District, Shanghai. The new company, including office building, workshops and testing tower, covers an area of 22000 m². The testing tower is 70m high. There are three super large workshops, with the advanced AMADA machines from Japan, the Bystronic CNC multi-station punching machines, bending machines and cutting machines from Switzerland. In March, 2014, the new factory was officially put into operation. In February, 2015, the elevator business of Shanghai Building Equipment Co., Ltd was completely passed on to its wholly owned subsidiary Shanghai Zhong Ao Building Equipment Elevator Co., Ltd, whose registered capital was increased to 150 million.

There are branches in Beijing, Sichuan, Henan, Zhejiang and other areas. The elevators produced by Shanghai Zhong Ao Building Equipment Elevator Co., Ltd are sold all over China and even to Sweden, Iran, Russia, Iraq, Bangladesh, Vietnam, Brunei, Indonesia, United Arab emirates, Pakistan and other countries.

Shanghai Zhong Ao Building Equipment Elevator Co., Ltd is now located in Shanghai, the largest commercial center of China. Based on its professional staff, technology advantages and solid business capital, adheres to the service philosophy of "Quality and Service First". Through continuous effort, we provide the experience of "peace, safe, comfort, energy efficiency" as your private elevator service expert.





# 发展历程

## DEVELOPMENT HISTORY



**1952 年** 上海房屋设备有限公司成立，成为中华人民共和国首家电梯产品设计和供应商。

**1954 年** 自行设计、制造了国内第一台 0.5 米 / 秒的医用电梯，安装于上海市淮海西路空军医院。这是新中国成立以来，依靠自己的力量生产的第一台国产医用电梯。

**1974 年** 研制出我国第一台 1.6 米 / 秒交流调速乘客电梯，安装于上海泰兴大楼。

**1982 年** 为上海电视台发射塔制造、安装了运行速度为 1.5 米 / 秒、提升高度为 120 米的交流快速电梯。当时该梯提升高度为国内之最。

**1983 年** 为上海游泳馆设计、制造、安装了国内第一台用于 10 米跳台的低压控制防湿防腐电梯。

**1983 年** 为辽宁省北台钢铁厂制造、安装了国内第一套用于检修干式煤气柜的防爆电梯和专用吊笼。

**1991 年** 设计、制造了国内第一台型号为 KJX1 的船用电梯。该梯用于出口瑞典的龙宫饭店豪华游轮。

**1996 年** 设计、制造了宽 1 米、深 1.5 米、三面开门的电梯，该梯安装于上海宾馆。这种类型的电梯当时在国内绝无仅有。

**1996 年** 为亚洲最大、高度为 108 米的上海煤气公司 30 万立方米干式煤气柜成功配套制造、安装了防爆电梯和防爆吊笼设备。

**1999 年** 为中国唯一一艘能在极地海区航行的破冰远洋考察船“雪龙”号的载货电梯进行了全面的整修。

**2000 年** 为上海通用汽车公司设计、制造了宽 4 米、深 6 米的汽车电梯，该梯为当时国内面积最大的汽车电梯。

**2005 年** 为上海宝钢设计制造了当时国内提升高度最高（超过 100 米）的防爆电梯。

**2005 年** 企业通过改制，乘客电梯在质量、数量等各方面都上了一个新的台阶。  
为常州锦阳花园、新业大厦制造、安装了客梯、杂物梯共 76 台。

**2008 年** 为太原卫星发射中心设计、制造并安装了 1500kg, 15 层 15 站的防爆电梯。

**2009 年** 公司获得了 8000kg 货梯的制造资质。  
取得了 IICT4 防爆等级的防爆货梯制造资质。

**2010 年** 公司以优质的销售服务、合理的价格与完善的售后保障赢得河南南阳商住项目 400 余台电梯。

**2014 年** 公司位于上海市嘉定区安亭镇新厂正式投入运营。

**2015 年** 公司正式以上海中奥房设电梯有限公司的名称营业，注册资金增至 1.5 亿。

**2016 年** 公司为上海大世界建成 100 周年重新对外开放制造及安装无机房客梯。  
公司自主研发了速度为 4m/s 的高速消防电梯。

**2017 年** 公司自主研发了无机房防爆梯。

公司为上海浦东新区上汽通用设计和工程技术中心定制载重 5000KG 无机房贯通门汽车梯。  
中奥房设电梯跟随“一带一路”为国家级重点项目恒逸文莱 PMB 石油化工项目定制防爆电梯。

**In 1952**, Shanghai Building Equipment Co., Ltd was founded, being the first elevator products and services supplier of China.

**In 1954**, designed and manufactured the first bed lift of 0.5 m/s in China. It was installed in Air Force Hospital, West Huaihai Road, Shanghai. It was the first domestic bed lift after the establishment of China.

**In 1974**, the first domestic AC speed-regulating passenger lift of 1.6 m/s was designed and installed in Taixing Building, Shanghai.

**In 1982**, manufactured and installed an AC fast-speed elevator for Shanghai TV Tower, which has the speed of 1.5 m/s and the lifting height of 120 m. The elevator created a record of lifting height at that time.

**In 1983**, designed, manufactured and installed the first domestic humidity-proof and anti-corrosion elevator under low voltage for 10-meter platform in Shanghai swimming pool.

**In 1983**, designed the first domestic explosion-proof elevator and crane cage for inspection of dry gas cabinet.

**In 1991**, designed the first domestic type-KJX1 marine elevator. The elevator is used in the Dragon palace hotel luxury cruise ship exported to Sweden.

**In 1996**, designed the elevator with the width of 1 m, the depth of 1.5 m and with doors on three sides. The elevator was installed in Shanghai Hotel and unique in China at that time.

**In 1996**, manufactured and installed successfully the explosion-proof lifts and explosion-proof hanging equipment for 30,000 m³ dry gas cabinets of Shanghai gas company, which was the largest gas company in Asia and has the height of 108 meters.

**In 1999**, made an overall inspection and maintenance for the freight elevators on the ocean-going research ship Xue-Long, which was the only ship that can sail in polar area.

**In 2000**, designed and manufactured the car elevator with the width of 4 m and the depth of 6 m for SAIC-GM, which was the car elevator with largest area in China.

**In 2005**, designed and manufactured the explosion-proof elevator with the largest lifting height (over 100 m) in China for Shanghai Baosteel Group.

**In 2005**, after reformation, the quality and quantity of passenger elevators was largely improved. The company installed 76 passenger elevators and dumb waiters for the Jinjiang-garden Residence and Xinye Building in Changzhou.

**In 2008**, designed and manufactured the explosion-proof elevators with the capacity of 1500 kg, 15 floors and 15 landings for the satellite launch center in Taiyuan.

**In 2009**, received the manufacturing certification of 8000 kg freight elevators and the explosion-proof elevators of level IICT4.

**In 2010**, based on sales services, reasonable price and perfect after-sales service, we won the bid for over 400 elevators in commercial residence project in Nanyang, Henan Province.

**In 2014**, our new factory in Anting Town, Jiading District, Shanghai was officially put into operation.

**In 2015**, operated officially with the name Shanghai Zhong Ao Building Equipment Elevator Co., Ltd.  
The registered capital increased to 150 million.

**In 2016**, manufactured and installed machine-roomless elevators for Shanghai Great World re-opening after 100 years foundation. Got the certificate of 4.0m/s high speed fire elevator.

**In 2017**, developed the machine-roomless explosion-proof elevator individually.

Designed and manufactured the machine-roomless car elevator with opposite door and capacity of 5000 kg for SAIC-GM design and engineering technology center.  
Supply the custom explosion-proof elevators for the Brunei PMB petrochemical project of Henyi Group which is the one Road national priority project.





# 经典工程案例

## CLASSIC PROJECT CASE



1983年辽宁省北台钢铁厂制造、安装了国内第一套用于检修干式煤气柜的防爆电梯和专用吊笼。

In 1983, ZALL designed the first domestic explosion-proof elevator and crane cage for inspection of dry gas cabinets of Beitai Steel Works, Liaoning Province.



1999年为中国唯一一艘能在极地海区航行的破冰远洋考察船“雪龙”号的载货电梯进行了全面的整修。

In 1999, ZALL made an overall inspection and maintenance for the freight elevators on the ocean-going research ship Xue-Long, which was the only ship that can sail in polar area.



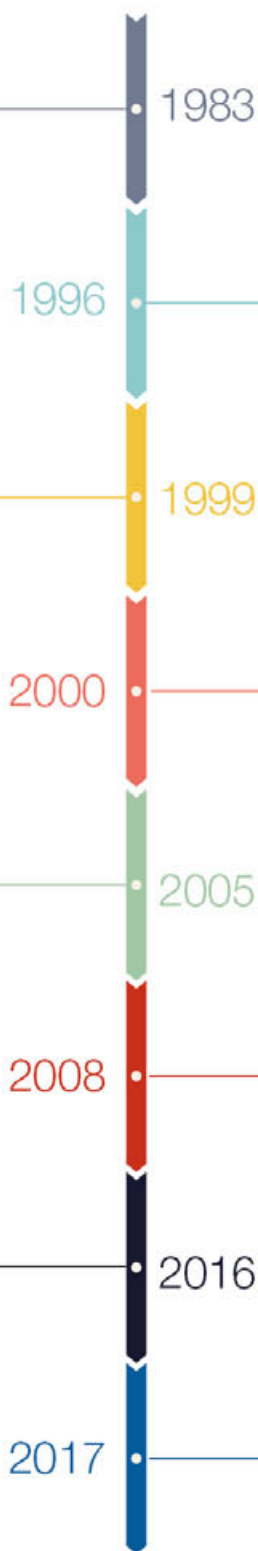
2005年为上海宝钢设计制造了当时国内提升高度最高（超过100米）的防爆电梯。

In 2005, ZALL designed and manufactured the explosion-proof elevator with the largest lifting height in China for Shanghai Baosteel Group.



2016年为上海大世界建成100周年重新对外开放制造并安装无机房客梯。

In 2016, ZALL manufactured and installed machine-rootless elevators for Shanghai Great World Park's re-opening after 100 years' foundation.



1996年上海煤气公司高度108米、30万立方米干式煤气柜成功配套制造、安装了防爆电梯和防爆吊笼设备。

In 1996, ZALL successfully manufactured and installed explosion-proof elevators and crane cages for the dry gas tank of Shanghai gas company, which has the volumes of 300,000 m<sup>3</sup> and the height of 108 m.



2000年为上海通用汽车公司设计、制造国内面积最大的汽车电梯。

In 2000, ZALL designed and manufactured for SAIC-GM the car elevator with the largest area in China.



2008年为太原卫星发射中心设计、制造并安装防爆电梯。

In 2008, ZALL designed and manufactured the explosion-proof elevators for the satellite launch center in Taiyuan.



2017年中奥房设电梯跟随“一带一路”为国家级重点项目恒逸文莱PMB石油化工项目定制防爆电梯。

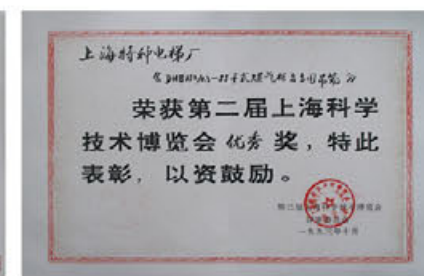
In 2017, ZALL designed the specific explosion-proof elevators for the One Belt One Road national priority project Brunei PMB petrochemical project of Henyi Group.

# 荣誉

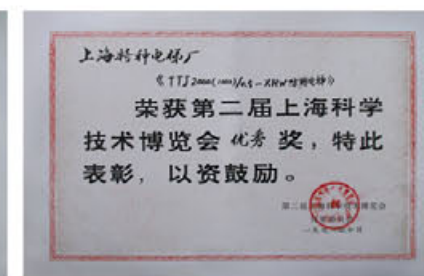
## HONORS



奖状 专用吊笼技博会优秀奖



奖状 专用吊笼技博会优秀奖



奖状 防爆电梯技博会优秀奖



专利证书 本安型电气设备



奖状 房管系统二等奖



中国电梯经典工程证书  
- 干式煤气柜



科技成果奖 厂用电梯



科技成果奖 气柜吊笼



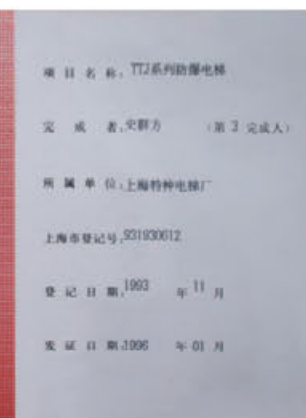
科技成果奖 气柜电梯



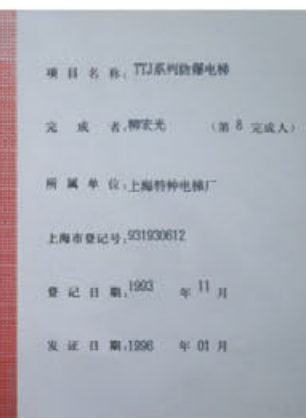
科技成果奖 防爆电梯



科技成果完成者证书 TTJ 系列防爆电梯



科技成果完成者证书 TTJ 系列防爆电梯





# 重要合作伙伴

## IMPORTANT PARTNERS





## 核心科技

### CORE TECHNOLOGY



#### 永磁同步无齿轮曳引机

中奥无齿轮货梯采用永磁同步曳引机，永磁同步曳引技术符合节能环保低碳理念的新一代电梯核心技术。该技术和传统技术相比，具有低碳节能，更小空间，低建筑成本，和低电梯运行成本的特点；同时轻松实现了曳引机免维护的要求。

##### Permanent magnetic synchronous gearless traction machine

Permanent magnet synchronous traction technology is the ZALL elevator traction machine manufacturers and joint development in line with the concept of the next generation of low-carbon energy saving elevator core technology. The technology and traditional techniques compared with low-carbon energy, less space, low construction costs, operating costs and low elevator characteristics. Easy to achieve a traction machine maintenance requirements.



#### 有齿轮异步曳引机

中奥有齿轮货梯采用蜗轮副作用减速传动装置，传动比大，转矩大，结构紧凑，传动平稳，更适合大载重货梯。技术成熟可靠，维修效率高，维修成本低。

##### Geared asynchronous traction machine

It applies worm gear traction machine, which can reduce operating noise and with better leveling precision. The compact and asynchronous drive can result in stable running condition too. This is a mature technology and can make maintenance at ease and with low repair cost.

#### 优良技术，舒适节能

采用 VVVF 调速技术，大幅减少供电容量，比传统的交流双速技术节能近 40%，最大限度地减少电梯功耗，因而成为目前载货电梯调速技术发展方向的前行者。该技术不仅能调节电梯速度，还拥有恒定的力矩特性，不计载荷轻重，能极大地改善电梯运行的舒适感、平层精准度、并减小运行噪音。

##### Superior technology; ride comfort and energy efficient

Adopting VVVF speed regulation technology, it greatly reduces the electrical capacity requirement and can save energy up to 40% as compared with traditional dual speed AC technology. As the forerunner of speed regulating freight elevator, not only it can minimize energy consumption, it has the specialty of constant torque. Despite the load of the elevator, it can provide better ride comfort, leveling capability and with low running noise.

## 尖端智能

### ADVANCED INTELLIGENCE



#### 安全装置系统

中奥轿厢上的安全钳、井道上下端的减速开关、强迫减速开关、极限开关、底坑的缓冲器、机房的制动器夹绳器等安全部件串联在一起构成安全系统，其中任一环节动作都可使主机制停，轿厢被制动。

##### Safety devices

ZALL freight elevator is equipped with many safety devices. There are safety gears in the cab, 3 limit switches in the upper and lower end of the hoist way, buffer at the pit and governor in the machine room. Any of these devices triggered will result in power cut off to the machine and cab being stopped.



#### 高强度材料，经久耐用

中奥载货电梯不仅采用高强度型材制作轿厢，还对轿厢底盘进行特殊加强设计，使得自身产品更加经久耐用，不易老化。

##### High strength materials and durability

The durability of the ZALL freight elevator is made of high strength materials, coupled with a "re-inforced" car bottom design.



#### 防撞条（选配）

防撞条能有效地保护电梯轿厢内壁等不被撞变形或损坏，使电梯工作环境保持良好的状态，明黄色防撞条更具有提示、警示效果。

##### Anti-collision strip (optional)

Anti-collision strip can effectively prevent the car wall getting deformed or damaged during collision. It helps keeping the cab in good condition and has the prompt and warning effect.

#### 大宽度开门，大自由进出

为方便大体积货物的自由进出，中奥载货电梯系列产品均采用多折式轿厢结构，让轿厢门打开可达到最大宽度。

##### Large door width, free entry/exit

ZALL freight elevator uses multi-panel door to get the widest door opening, which will facilitate the moving in and out of large goods





## FREIGHT ELEVATOR (Machine Room) 有机房载货电梯

中奥系列载货电梯利用微机控制技术，采用高强度的型材设计制造的轿厢，可在各种恶劣环境下进行货物运输的工作。中奥载货电梯执行《电梯制造与安装安全规范》等全部现行国家标准。安全可靠、结构强度高、经久耐用、运行平稳、开门距大、性价比高等优点使中奥货梯成为工厂、仓储、百货商城、物业中心等单位运输货物的理想选择。

ZALL serial freight elevators apply micro-computer control technology. It uses high intensity cars that have been designed and manufactured by section materials. It can transport the freight under various awful conditions. ZALL freight elevator carries out the current national standards such as "The Elevator Manufacture, Installation Safety Standard" etc. ZALL freight elevator is your ideal choice in the factory, warehouse, department store, shopping center, housing property management center etc. because of its safe, durable and reliable properties, high structural strength, smooth operation, large door opening distance, high cost performance and so on.

### 先进控制，安全更节能

中奥载货电梯控制柜，运用电梯先进控制与驱动完美结合，让电梯运行更加安全高效，更节能环保。而在设计上充分考虑客户的利益诉求，具有极高的性价比。

#### THE SAFE AND MORE ENERGY-SAVING INTEGRATED CONTROL

Control cabinet of ZALL freight elevator applies the integrated idea of integrative elevator control and drive control. It brings about the more secure, effective, energy-saving and environmental-protection elevator running. In the design sector, it gives the customers' interest request into full consideration. It has extremely high cost performance.

### 专业的轿厢

加倍坚固的轿底能可靠承受各类货物，高精度的称重开关严格控制载重以防止超载发生意外；地面采用防滑花纹钢板，能产生足够的摩擦力防止人员滑倒或货物滑动。

#### THE PROFESSIONAL CARS

Car bottom with doubled reinforcement can bear various freight. High precision weighing switch strictly controls the load to prevent from any overload accidents. The ground applies anti-skid checkered steel plate. Even it is stained by grease, it will still produce enough strong friction to prevent the passengers or the freight to slide off.

### 多种开门方式

为了满足用户的不同进出要求，中奥载货电梯有旁开双折门、中分双折门、中分三折门、单通门、以及贯通门等多种开门方式供选择，与工厂、仓储、百货商场、物业中心等建筑物结构灵活匹配。

#### THE MULTIPLE DOOR OPENING MODES

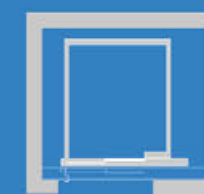
In order to satisfy different entry/exit requirements from vast users, ZALL freight elevator offers four door opening modes of side opening, center opening double-folded door, one-way door opening, opposite door opening. It can flexibly match with the factory, warehouse, department store, shopping center, housing property management center etc.



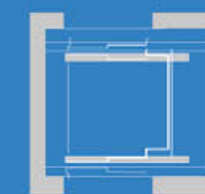
旁开双折门  
Two Panel sliding door



中分双折门  
Center-opening & double-folded



单通门  
Single way door



贯通门  
Double way door





## MACHINE ROOMLESS FREIGHT ELEVATOR

### 无机房载货电梯

中奥无机房载货电梯，深谙节能降耗理念，不仅节约建筑面积，且提高设计自由度，充分体现绿色低碳。与同等载重量级别的有机房载货电梯相比，节约建筑面积 10%。

ZALL machine roomless freight elevator knows very well of the energy-saving and loss-reducing ideas. It not only saves the building area, but also increases design freedom extent. It gives full play of green low-carbon. Compared with same load level freight elevator with machine room, it saves 10% of the building area.

### 轻松融入建筑

中奥无机房载货电梯只需井道，无需机房，能为建筑设计带来更多的自由。

#### EASILY MERGES WITH VAST CONSTRUCTIONS

ZALL machine roomless freight elevator only needs a well without machine room. It brings about more design freedom to vast buildings.

### 新一代变频调压调速技术

节能、环保、免维护、舒适感好、低噪音、体积小

#### NEW GENERATION VARIABLE FREQUENCY VOLTAGE REGULATION AND SPEED GOVERNOR TECHNOLOGY

It is of the remarkable energy-saving, environmental protection, comfortable travel, maintenance-free, low noise and small bulk.

### 待机休眠技术

在电梯待机时自动切断电梯内的照明及通风设备。

#### STANDBY & TECHNOLOGY

When the elevator is in stand-by mode, it automatically cuts off the lighting and ventilator fan in the elevator.

### 安装简易高效

在电梯应用中，安装难易也是影响货运条件的重要因素。中奥无机房载货电梯能为客户提供高效易行的安装方案，保证建筑工程的正常进度。

#### EASY AND EFFECTIVE INSTALLATION

Easy installation is vital for freight transport in the elevator application. ZALL machine roomless freight elevator provides the customers with easy and effective installation plans. It ensures normal progress of the construction projects.

### 应用场合广泛

与传统有机房载货电梯相比，中奥无机房载货电梯应用场合广泛，也适合于货梯改造项目，更适用于现代社会的垂直交通领域。

#### EXTENSIVE APPLICATION OCCASIONS

Compared with the traditional freight elevator with machine room, ZALL machine roomless freight elevator has the more extensive application occasions. It better suits the vertical transport field in modern societies.





## CAR ELEVATOR 汽车电梯

中奥汽车电梯，充分利用中奥房设多年的汽车电梯制作技术，采用高度成熟的变压变频控制技术精确调速控制，避免了因轿厢受力不均而导致的曳引系统负载加重而产生噪音及轿厢抖动，最大程度优化了这一系列产品的特性。

ZALL car elevator gives a full use of the years' car manufacture technology from ZALL Company. It applies the highly well-developed variable voltage, variable frequency control technology, precise speed governor control. It avoids noise and car-shake due to enlarged burden of traction system because of uneven encountered force to the car. It optimizes the characteristics of this series to the greatest extent.

### 轻松融入建筑

无机房汽车电梯只需井道，无需机房，能为建筑设计带来更多的自由，也适用于汽车梯改造项目。

#### EASILY MERGES WITH VAST CONSTRUCTIONS

ZALL machine roomless freight elevator only needs a well without machine room. It brings about more design freedom to vast buildings.

### 独特显示系统

专门的电路控制及显示系统，既方便轿内司机，又方便轿外候梯的司机。

#### SPECIAL DISPLAY SYSTEM

Special circuit control and display system is convenient for the drivers inside/outside the car.

### 双操纵按钮箱（标配）

轿箱内设有两只操纵箱按钮，司机无须走出汽车，就可以操纵电梯。

#### DUAL OPERATION BUTTONS BOX (STANDARD)

There are two operation box buttons in the car. Therefore the driver can operate the elevator in the car without stepping out of it.

### 安全导向装置（选配）

轿内地面设有安全导向装置，保证了电梯及汽车的安全。

#### SAFETY GUIDE DEVICE (OPTIONAL)

Safety guide device sets in the car ground to ensure fine security of both the cars and the elevators.

### 可以前后开门（选配）

#### FRONT/REAR DOOR OPENING ARE AVAILABLE (OPTIONAL)

电梯轿厢设有前后开门，更方便了汽车进出轿厢和安全。

The elevator car sets front/rear door opening which is more convenient for the safety sector and for the cars to enter into/exit from the elevator cars.





## DUMB WAITER ELEVATOR 杂物电梯

采用工业电脑（PLC）微机控制，品种规格齐全，结构新颖，制造精良，具有安全可靠、运行平稳、操作方便，轿厢和厅门采用优质发纹不锈钢板制作，豪华美观，广泛适用于宾馆、饭店等，深受广大用户欢迎。

Using industrial computer (PLC) computer control, complete specifications, novel structure, fine workmanship, with safe, reliable, stable, easy to operate the car and landing doors made of high quality stainless steel plate production lines, luxury and beauty, widely used in hotels, restaurants and other units, is popular among customers.

### 优越性能

- 电锁功能：基站呼梯盒配备电锁，用于启动和关闭电梯的控制回路；
- 运行故障保护功能：当超出正常运行时间 10 秒内，电梯停止运行，以防烧坏电机；
- 故障自显示功能：将诊断后的故障以代码形式显示；
- 故障自诊断功能：能够诊断故障现象及原因；
- 自恢复保险功能：控制信号回路如果短路保险自动断开，当故障消除后保险自动接通；
- 接触器粘连保护功能：如接触器线圈断电后接点未能断开时，防止再次运行以保障安全；
- 呼梯应答功能：按下呼梯按钮，被呼梯按钮数字指示灯亮，到站后撤销记忆指示灯灭；
- 蜂鸣提示功能：具有到站蜂鸣提示功能；
- 开关门状态指示功能：电梯运行到站后开启层门，数码显示开门状态并提示此梯在本层使用；
- 运行方向显示功能：运行方向由上下行发光箭头显示；
- 层楼显示功能：电梯运行所到楼层由数码显示；

### THE ADVANTAGEOUS PERFORMANCES

Electric lock function: call the base station is equipped with electric locks ladder box, used to start and shut down the elevator control circuit;  
Run fault protection function: When outside the normal run time of 10 seconds, the elevator stopped, to prevent burn out the motor;  
Fault self-display: the diagnosis of faults in code display;  
Self-diagnostic capabilities: the ability to diagnose and Causes;  
Restoring self-insurance function: if the control signal circuit short-circuit the insurance automatically disconnect when the failure to eliminate auto-connect after the insurance;  
Contactor adhesion protection: If contactor coil power disconnected contacts unable to prevent the re-run to ensure safety;  
Call ladder response function: Press the call elevator button, the call number elevator floor button light, light off the station after the revocation of memory;  
Beeper function: with the arrival Beeper function;  
Door switch status indicator: level elevator door open after running the station, digital display and prompts the ladder open state in this layer;  
Running direction of the display: the direction of the arrow up and down the line-emitting display;  
Floor display: run to the elevator floor by the digital display;



# 标准配置

## STANDARD DECORATION

载货电梯轿厢  
FREIGHT ELEVATOR CAR



ZA-H-001

吊顶: 不锈钢 (颜色可选)  
轿壁: 不锈钢 (颜色可选)  
轿门: 不锈钢 (颜色可选)  
照明: LED 节能灯  
地板: 花纹钢板  
Ceiling: Stainless steel (Color optional)  
Cabin: Stainless steel (Color optional)  
Car door: Stainless steel (Color optional)  
Lighting: LED light  
Floor: Checkered steel floor

操纵盘、外呼  
COP & LOP



喷塑色标  
PAINTED COLOR



ZA-H-002

吊顶: 喷涂钢板 (颜色可选)  
轿壁: 喷涂钢板 (颜色可选)  
轿门: 喷涂钢板 (颜色可选)  
照明: LED 节能灯  
地板: 花纹钢板  
Ceiling: Painted steel (Color optional)  
Cabin: Painted steel (Color optional)  
Car door: Painted steel (Color optional)  
Lighting: LED light  
Floor: Checkered steel floor



图片系电脑绘制, 可能与实际图有不同  
The pictures are plotted by computer and are likely somewhat different from the actual products.

厅门系列  
LANDING DOOR SERIES



中分双折式 (标配)  
门套: 涂装钢板 (颜色可选)  
层门: 喷涂钢板  
Center-opening & double-folded type (Standard)  
Jamb: Painted steel (optional color)  
Landing door: Painted steel



旁开双折式 (选配)  
门套: 涂装钢板 (颜色可选)  
层门: 喷涂钢板  
Side opening (optional)  
Jamb: Painted steel (optional color)  
Landing door: Painted steel



旁开三折式 (选配)  
门套: 涂装钢板 (颜色可选)  
层门: 喷涂钢板  
Side opening & three folded type (Optional)  
Jamb: Painted steel (optional color)  
Landing door: Painted steel



中分三折式 (选配)  
门套: 发纹不锈钢  
层门: 发纹不锈钢  
Center-opening & three folded type (Optional)  
Jamb: Hairline stainless steel  
Landing door: Hairline stainless steel

图片系电脑绘制, 可能与实际图有不同  
The pictures are plotted by computer and are likely somewhat different from the actual products.



# 电梯功能

## FUNCTION TABLE

### 标准功能 Standard function

运行功能 Travel function	
电梯变频驱动 VVVF drive	精确调整电动机转速，令电梯启动、运行、停止时的速度曲线平稳、圆滑、获得良好的舒适感。 Motor rotating speed can be precisely adjusted to get smooth speed curve in elevator start, travel and stop and gain the sound comfort.
门机变频驱动 VVVF door operator	精确调整电动机转速、使门机的开启、关闭更轻柔灵敏。 Motor rotating speed can be precisely adjusted to get the more gentle and sensitive door machine start/stop.
独立运行 Independent running	根据用户需要可设置电梯不响应外召，仅响应轿内指令。 According to the users' needs, the elevator can not respond to outer calling, it only responds to inner command in the car.
自动不停站通过 Automatic pass without stop	当轿内挤满乘客或负载接近预定值，为保持最大运行效率，该轿厢将自动越过召唤层站。 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.
开门时间调整 Adjust door opening time	根据用户需要可设置开门时间。 Door opening time is apt to the users' demands.
本层重开门 Reopen with hall call	关门途中，可以按本层站召唤按钮使门重新开启。 IN the door shutting process, pressing the hall call button can reopen the door.
即时关门 Express door closing	电梯停站开门到位时，按下关门按钮，门立即被关闭。 When the elevator stops and opens the door, press door-shut button, the door will be closed immediately.
停梯开门 Car stops and door open	电梯减速平层，直到完全停稳后才开门。 The elevator decelerates and levels, the door only opens after the elevator comes to a complete stop.
自动返基站 Automatic return to home	在低交通量时，无召唤信号的电梯将自动返回基站，关门等待。 In low traffic folw, the car which has no call will return to the main floor, shut the door and keep waiting automatically.
指令登记删除 Command register cancel	如按错了轿内楼层指令按钮，只要把同一按钮双击一次，就可取消已登记指令。 If floor command button in the car is pressed by mistake, press same button again to cancel the registered command.

安全功能 Safety function	
光幕保护 Photocell protection	门开启和关闭期间，用覆盖整个门高度的红外光幕探测乘客和物体的门保护装置。 In the door open and shut period, the door protection device of infrared ray that covers the whole door height is used to probe both the passengers and objects.
指定停靠 Designated stop	由于某种原因，电梯在目的层无法开门，电梯将关门运行至下一指定层楼。 If the elevator can not open the door in the destination floor out of some reason, the elevator will close the door and travel to the next desingnated floor.
超载停梯 Overload holding stop	轿厢超载时，鸣响蜂鸣器并停止于该层站。 When the car is overload, the buzzer rings and the elevator remains at rest in the same floor.
防止失速保护 Anti-stall timer protection	由于曳引钢丝绳打滑而无法正常运行时，电梯停止运行。 The elevator stops operation due to slippery traction wire rope.
启动保护控制 Start protection control	电梯启动后在指定的时间内，没有离开门区，电梯停止运行。 If the elevator does not leave door zone within the designated time after it gets started, it gets started, it will stop the operation.
检修操作 Inspection operation	当进入检修状态时，轿厢以低速点动运行。 When the elevator enters into inspection operation, the car travels at inching running.
故障自诊断记录 Fault self-diagnosis record	控制器的记录功能，以便快速排除故障，迅速恢复电梯运行。 With the help of this record function, faults can be restored rapidly so that the elevator can remove in a shot time.
地坎杂物清除 Sill impurity removal	因地坎杂物阻碍或干扰，电梯门未能关闭，电梯门在规定时间内会重复打开关闭，把杂物清除。 If the elevator door can not shut due to sill impurity or interference, it reopens/re-shuts in the stipulated time and remove the impurity.
上下极限保护装置 Up/down over-run and final limit protection	该装置可有效防止当电梯万一发生失控时的冲顶或蹲底现象，使电梯更安全可靠。 The device can effectively prevent from the elevator's surging to the top or knocking the bottom when it is out of control. If results in more safe and reliable elevator travel.

下行超速保护装置 Down over-speed protection	当电梯下降运行的速度超过额定速度的1.2倍时，该装置自动切断控制电源，使电机停止运转以阻止电梯超速下行；如电梯继续超速下行，其速度超过额定速度的1.4倍时，安全钳动作，强制电梯停止运行，保证安全。 When the elevator downs 1.2 times higher than the rated speed, this device will automatically cut off control mains, the motor running so as to atop elevator down at over-speed. If the elevator continues to down at over-speed, and the speed is 1.4 times higher than rated speed, safety tongs act to force the elevator stop in order to ensure the safety.
上行超速保护装置 Upward over-speed protection device	当电梯上行的速度超过额定的1.2倍时，该装置自动将电梯减速或制停。 When the elevator up speed is 1.2 times higher than rated speed, the device will automatically decelerate or brake the elevator.

电梯轿厢意外移动保护（UCMP） Unintended Car Movement Protection	当电梯处于开锁区域内且开门状态下，检测到轿厢在无指令的情况下发生意外移动，系统将启动保护，立即制停轿厢。 when the car is at the door unlocked area and the door is opened, the system will be activated and stop the car immediately if the car movement is detected in the absence of command.
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人机界面 Man-machine interfacen	
轿内及层站微动指令按钮 Micro-touch button for car call and hall call	轿内操纵箱指令按钮及层站召唤按钮采用新型微动型按钮。 Novel micro-touch button is used for operation panel command button in the car and landing calling button.
轿内层楼、方向指示 Floor and direction indicator	轿内显示电梯所在层楼及当前运行方向。 The car shows the elevator floor location and current travel direction.
层站层楼、方向指示 Floor and direction indicator in hall	层站显示电梯所在层楼及当前运行方向。 The landing shows the elevator floor location and current travel direction.

应急功能 Emergency function	
应急照明 Emergency car lighting	停电时，自动打开轿内应急照明。 Emergency car lighting automatically activated once power failure.
点动运行 Inching running	当进入紧急电动状态时，轿厢以低速点动运行。 When the elevator enters into emergency electric operation, the car travels at low speed inching running.
五方通话装置 Five way intercom	通过对讲机，可让轿内、轿顶、电梯机房、井道底坑、救援值班室之间通话。 Communication amid car, car top, elevator machine room, well pit and rescue duty room through walkie-talkie.
警铃 Bell	紧急时，连续按下轿内操纵箱上的警铃按钮，安装于轿厢顶上的电铃会鸣响。 In emergency conditions, if bell Button on car operation panel is continuously pressed, electric bell rings on top of the car.

节能功能 Energy-saving fuction	
消防返回 Fire emergency return	启动位于基站的应急开关，所有召唤均被取消，电梯立即驶往指定救援层站停靠，并自动开门。 If you start emergency switch in main landing, all the callings will be cancelled. The elevator directly and immediately drives to the designated rescue landing and automatically opens the door.
轿厢风扇/照明自动开关 Car ventilation, light automatic shut off	在规定时间内没有召唤或指令信号，轿厢内的风扇和照明会自动关闭，以节能。 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.

### 选配功能 Optional function

应急功能 Emergency function	
停电应急平层 Leveling when power failure	正常电源断电时，充电式电池提供电梯电源，电梯驶往最近层站。 In normal power failure, the chargeable battery supplies the elevator power, The elevator drives to the nearest landing.
地震运行功能 Seismic operation function	配有地震操作功能时，如果发生地震，地震检测装置动作，该装置有一个触电信号输入到控制系统，控制系统控制电梯就近停靠，而后开门放客停梯。 Equipped with seismic operation function, if the earthquake, earthquake detection device, the device has an electric shock signal input to the control system, control system to control the elevator nearby dock, then stop putting a customer to open the door.

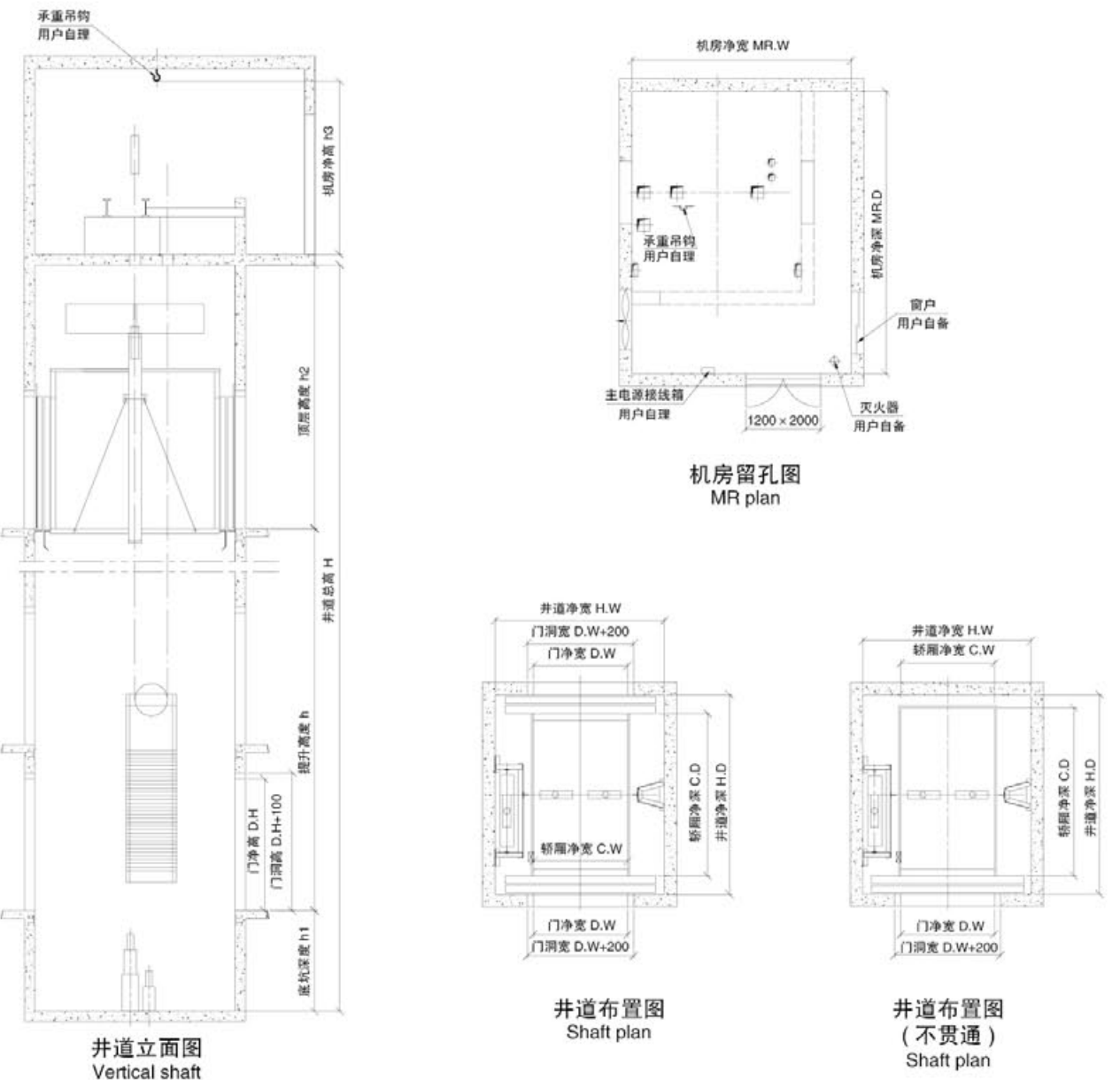
运行功能 Travel function	
直接停靠 Direct parking	完全根据距离原则，平层无爬行，大大提高了运行效率。 According to distance principle completely, the car can directly level without crawling, It greatly enhances the operation efficiency.
群控功能 Group control function	用于三台或三台以上同型号电梯成组控制时使用，电梯选择最合适的应答，避免重停梯，缩短乘客候梯时间，提高运行效率。 The group control system is used when three or more same model elevators are organized into a group to run, it can make the elevator group automatically choose the most appropriate response, avoid repeated parking, reduce the passengers' waiting time and increase the operation efficiency.
并联功能 Duplex control	用于两台同型号电梯，通过电脑的调整来统一响应召唤信号，最大限度的减少乘客候梯时间，提高运行效率。 Two sets of same model elevators 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.
能量回馈装置 Energy feedback device	将电梯运行中所产生的能量，通过装置回馈电网，以降低客户的运行成本和环境污染。 Feeding the energy generated during the elevator running and braking back to reduce the customers' operational cost and environmental pollution.
电梯休眠功能 Elevator stop function	当电梯待机一定时间，进入待机状态进入省电模式。 If the elevator waits for certain period of time without travel, it automatically stops to save power.
开门时间延长 Door open time extending	按轿厢内的专用按钮，可使门在一段时间内保持开门状态。 Press special button in the car, the elevator door keeps open for certain period of time.
提前开门功能 Open early function	当电梯在自动运行停车过程中速度小于0.3m/s,并且此时在门区信号有效的情况下，通过封门接触器短接门锁信号，实现提前开门，提高电梯运行效率。 When the elevator in the process of automatic parking speed is less than 0.3 m/s, and at this point in the case of man signal effectively, MCTC SCB - A through FengMen contactor sub lock signal, realizes the open early, improving the efficiency of the elevator.
杀菌功能 The sterilization function	在轿厢配置紫外线装置，紫外线杀菌、除尘解污、消烟去味等多项净化空气功能。 In capsules with uv device, ultraviolet radiation sterilization, dust pollution, such as smoke abatement to taste many air purification function.

人机界面 Man-machine interfacen	
轿厢到站钟 Car arrival gong	装于轿顶的电子钟的钟声告知候梯的乘客电梯已到站。 Arrival gong in the car top announces passengers the car's arrival.
语音报站 Voice announcer	在正常运行到站的情况下，利用语音装置告知乘客有关信息。 When the elevator normally arrives, voice announcer informs the passengers about the relevant information.
轿厢副操纵箱 Car assistant operation box	用于大载重量电梯或候梯人群稠密大楼中的电梯，以便让轿厢内更多的乘客方便使用。 It is the large loading weight elevators or the elevators with crowded passengers so that most of the passengers can operate the car easily.
残疾人操纵箱 Operation box for the handicapped	便于让轿厢内坐轮椅的乘客及视觉障碍的乘客方便使用。 It is convenient for the wheelchair passengers and those who have vision problems.
IC卡控制功能 IC card control function	所有（部分）层站须经授权，方可通过IC卡输入轿厢指令运行电梯。 All (partial) landings can only input car commands through IC card after the authorization.
背景音乐 The background music	装备扬声器用于播放背景音乐或楼宇内的广播。 Equipped with speakers to play background music or radio within the building.

监控功能 Monitor function	
远程监控 Remote monitor	基于现场总线技术和远程通讯技术，监控电梯的运营状况。 The remote monitor of elevator can be fulfilled through modem and telephone, It is convenient for the makers and service units to know the travel conditions of every elevator and take corresponding measures promptly.
远程控制 Remote control	在远程监视的基础上，可对某些不影响电梯安全运行的功能实施远程控制，例如：使并联或群控电梯需要做独立运行等。 Based on remote monitor, it is capable to remote control some functions which to not affect safety of elevator's operation, such as making elevators, which are under the duplex or group control, operate independently as required.
轿内摄像功能 Camera function in the car	摄像头安装于轿厢内监视轿内情况。 The camera is installed in the car to monitor the car conditions.



有机房货梯标准土建布置图  
MR Freight Elevator Standard Layout

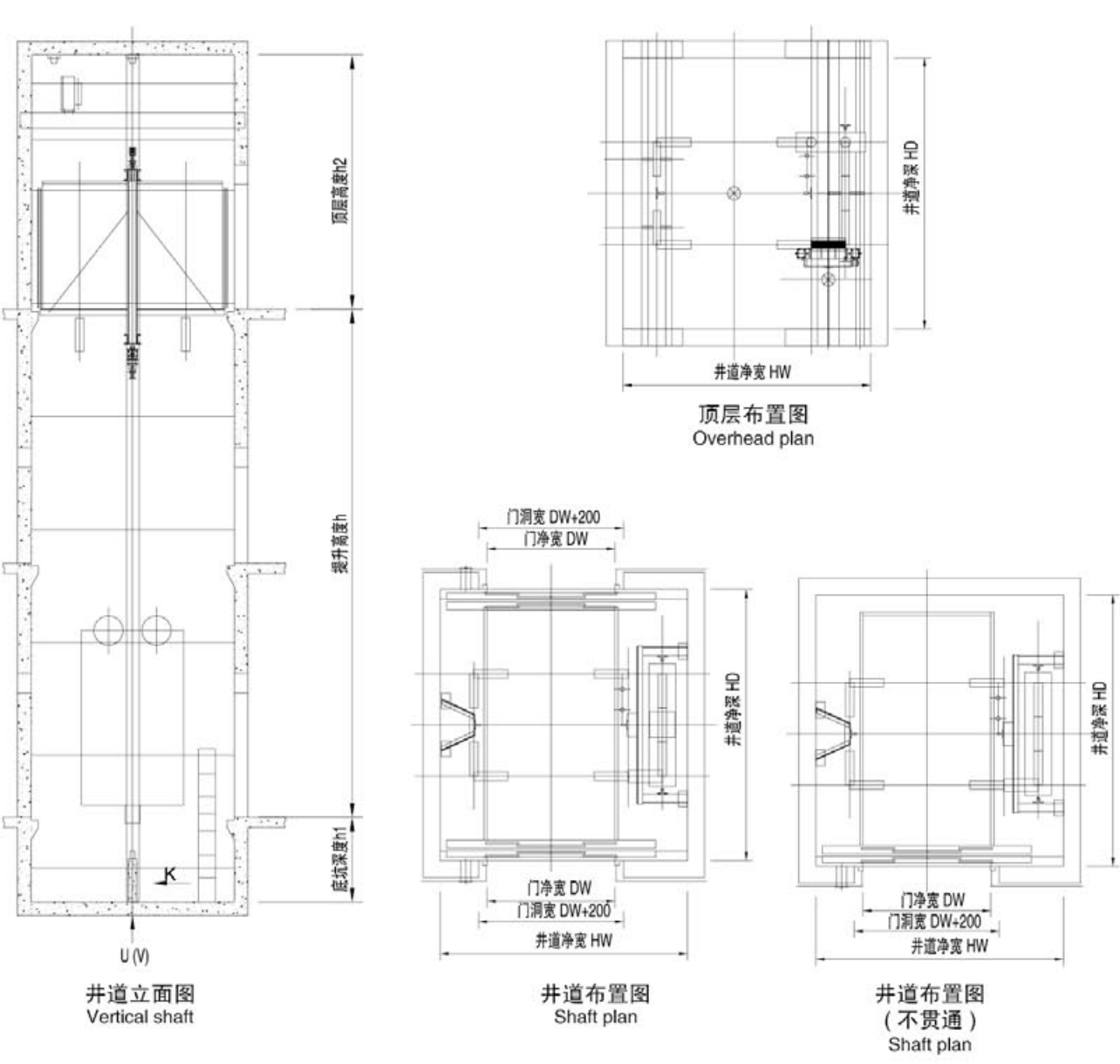


基本规格参数  
Basic specification parameters

额定载重量 (kg)	速度 (m/s)	轿厢净尺寸 (mm) C.W×C.D×C.H	开门尺寸 (mm) D.W×D.H		井道净尺寸 (mm) H.W×H.D		机房净尺寸 (mm) MR.W×MR.D×h3		地坑深度 h1 (mm)	顶层高度 h2 (mm)
			双扇开门 2CO	四扇中分 4CO	单梯 Single	双梯 Double	单梯 Single	双梯 Double		
1000	0.5	1300×1750×2200	1300×2100		2400×2230	5050×2230	3100×3800×2800	6500×3800×2800	1500	4300
	1.0									4500
1600	0.5	1500×2250×2200		1500×2100	2750×2840	5750×2840	3500×4000×2800	6500×4000×2800	1600	4300
	1.0									4500
2000	0.5	1500×2700×2200		1500×2100	2750×3290	5750×3290	3500×4500×2800	6500×4500×2800	1600	4300
	1.0									4500
3000	0.5	2200×2600×2400		2200×2400	3600×3190	7450×3190	4500×4900×2800	8000×4900×2800	1700	4500
	1.0									4500
5000	0.25	2400×3600×2400		2400×2400	4200×4190	8650×4190	5000×5500×2800	9000×5500×2800	1700	4500
	0.5									4500
8000	0.25	3500×3900×2400		2600×2400	5100×4490		6000×5400×3200		1700	5500
	0.5									5500

注：上述为土建简图，详细尺寸以技术部提供土建图纸为准。  
Attention: Above is simplified drawings. Detailed dimensions for technical department shall be according to the drawings provided by technology department.

无机房货梯标准土建布置图  
MRL Freight Elevator Standard Layout



基本规格参数  
Basic specification parameters

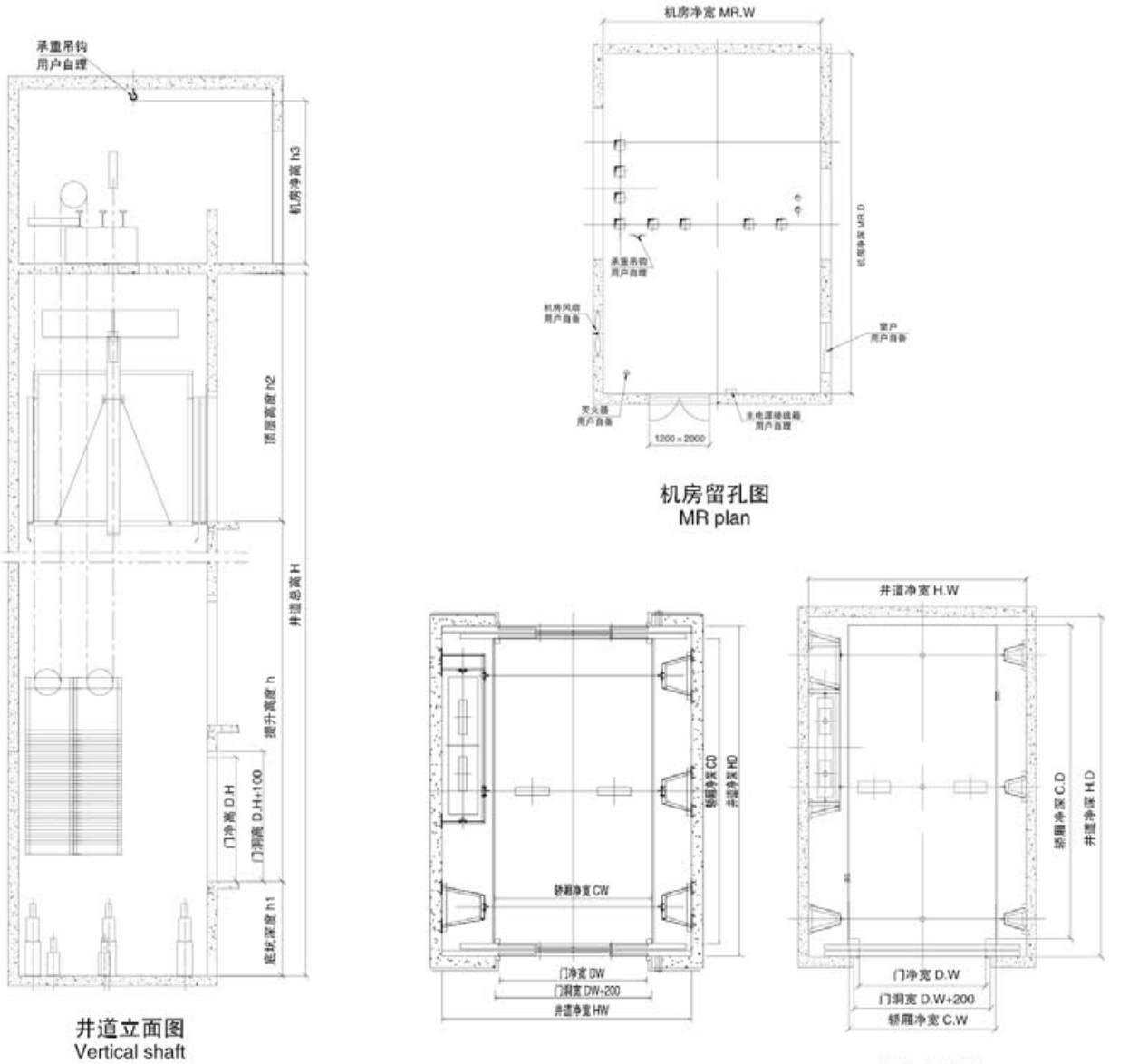
额定载重量 (kg)	速度 (m/s)	轿厢净尺寸 (mm) C.W×C.D×C.H	开门尺寸 (mm) D.W×D.H		井道净尺寸 (mm) H.W×H.D		底坑深度 h1 (mm)	顶层高度 h2 (mm)
			双扇旁开 2CO	四扇中分 4CO	单梯 Single	双梯 Double		
1000	0.5	1100×2100×2200	1100×2100		2400×2600	5050×2600	1500	4500
	1.0							
1600	0.5	1500×2250×2200		1500×2100	2900×2850	6050×2850	1500	4500
	1.0							
2000	0.5	1500×2700×2200		1500×2100	2900×3290	6050×3290	1500	4500
	1.0							
3000	0.5	2200×2600×2200		2200×2100	3900×3190	8050×3190	1600	4700
	1.0							

注：上述为土建简图，详细尺寸以技术部提供土建图纸为准。  
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汽车电梯标准土建布置图

Car Elevators Standard Layout



基本规格参数

Basic specification parameters

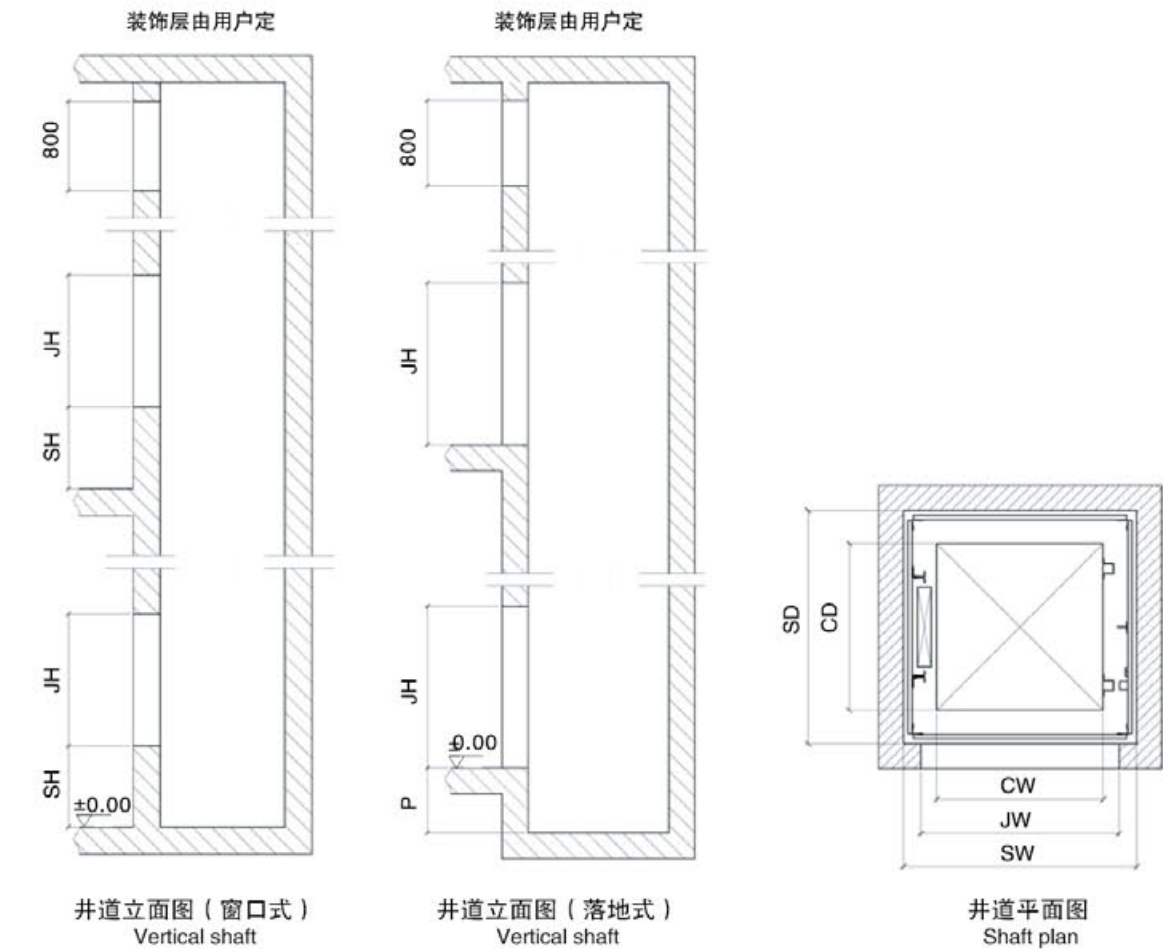
额定载重量 (kg)	速度 (m/s)	轿厢净尺寸 (mm) C.W×C.D×C.H	开门尺寸 (mm) D.W×D.H	井道净尺寸 (mm) H.W×H.D		机房净尺寸 (mm) MR.W×MR.D		底坑 深度 h1 (mm)	顶层 高度 h2 (mm)
			四扇中分 4CO	单梯 Single	双梯 Double	单梯 Single	双梯 Double		
3000( 贯通 )	0.25	2500×5800×2400	2500×2400	4200×6390	8650×6390	4200×6390	8650×6390	1700	4600
	0.5								
3000( 非贯通 )	0.25	2500×5800×2400							
	0.5								
5000( 贯通 )	0.25	3000×5800×2400	2800×2400	4800×6390	9850×6390	4800×6390	9850×6390		
	0.5								
5000( 非贯通 )	0.25	3000×5800×2400							
	0.5								

注：上述为土建简图，详细尺寸以技术部提供土建图纸为准。  
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杂物电梯标准土建布置图

Dumb Waiters Standard Layout



基本规格参数

Basic specification parameters

额定载重量 (kg)	种类 Type	轿厢净尺寸 (mm) C.W×C.D×C.H	井道尺寸 (mm) S.W×S.D	地坑深度 P (mm)	顶层高度 h (mm)	门口预留尺寸 (mm) J.W×J.H×S.H
		800×600×800	920×920	—	≥ 3000	750×1050×650
100	窗口式	800×700×800	920×1020	—	≥ 3000	750×1050×650
100	窗口式	700×700×800	1020×1020	—	≥ 3000	850×1050×650
200	窗口式	800×800×800	1120×1120	—	≥ 3000	950×1050×650
250	窗口式	1000×1000×1000	1320×1280	—	≥ 3000	1200×1250×650

落地式 (开门方式: 旁门折叠门)

额定载重量 (kg)	种类 Type	轿厢净尺寸 (mm) C.W×C.D×C.H	井道尺寸 (mm) S.W×S.D	地坑深度 P (mm)	顶层高度 h (mm)	门口预留尺寸 (mm) J.W×J.H×S.H
200	落地式	800×800×1000	1120×1100	≥ 700	≥ 2800	1060×1250× —
200	落地式	800×900×1000	1120×1200	≥ 700	≥ 2800	1060×1250× —
200	落地式	900×900×1000	1220×1200	≥ 700	≥ 2800	1160×1250× —
250	落地式	1000×1000×1000	1320×1280	≥ 700	≥ 2800	1260×1250× —
300	落地式	1000×1000×1170	1320×1280	≥ 700	≥ 2800	1260×1420× —

注：上述为土建简图，详细尺寸以技术部提供土建图纸为准。  
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## 服务 PROMISES



品质服务是企业长期发展的方向，在中奥，服务已经不单单是一种行为，而变成了一种责任，因为中奥在用心为客户服务。作为特种设备，每一台电梯因现场建筑井道的不同而有所不同，售前、售中、售后每一个环节的服务都非常重要，所以“服务”成为电梯市场新的核心竞争力之一。遵循这个理念，中奥以“敢为天下先”之精神，率先在全球电梯领域导入“4S 服务”概念，一种营销模式的创新，中国电梯行业营销体制的创新和服务的创新。

Quality service is the enterprise long-term development direction, in the ZALL, the service has not only is a kind of behavior, and become a kind of emotion, for the ZALL we service for customers. As the special equipment, each elevator for on-site construction shaft varies, pre-sale, sale and after-sale services in every sector is very important, so the "services" as a new one of the core competitiveness of the elevator market. Following this idea, the ZALL, in a spirit of "pioneer" take the lead in the field of global elevator import "4S" service concept, a kind of marketing mode innovation, China's elevator industry marketing system innovation and service innovation.

中奥以诚信为经营理念，“诚信、专注”是根植于中奥人的共同服务信念，真正让客户体会到中奥带给您的上下享受。中奥 4S 服务——新型营销模式的创新，代表着整个中国电梯行业服务体制的创新和改革。使中奥电梯真正实现了由卖产品到卖品牌，再到卖服务的理念飞跃。

我们有理由相信中奥 4S 服务之营销模式的理念将真正深入人心。为客户真正认识、认知电梯市场，认识电梯产品发挥巨大的推波助澜作用，为推动电梯产品在中国市场的普及发挥巨大的作用。

ZALL by the good faith for the business philosophy, "Honesty, Rights" is rooted in the ZALL are common service faith, really let customers experience ZALL brings you up and enjoy. ZALL 4S service - the new marketing mode innovation, representing the entire Chinese elevator industry service system innovation and reform. The ZALL elevator really realized by selling products to selling brand, the concept of service to sell. We have reasons to believe that ZALL 4S the concept of service marketing model will really deeply rooted in the hearts of the people. For the customer real know, cognitive elevator market, know the elevator products play a huge role, in order to promote the popularity of the elevator products in China market play a huge role.

