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**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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中国特种电梯发明者

SPECIAL ELEVATOR  
—— 特种电梯 ——

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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## 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 m<sup>2</sup>. 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 cargo 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 cargo 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 Baotai 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 cargo 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.

1983

1996

1999

2000

2005

2008

2016

2017



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 m³ 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石化项目定制防爆电梯。

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

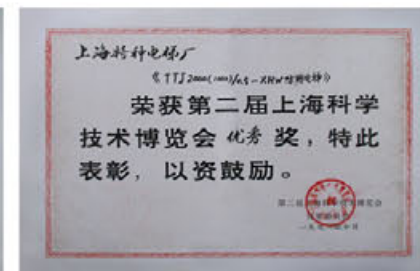
## HONORS



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

中国电梯经典工程证书  
- 雪龙号极地科考船



科技成果奖 厂用电梯



科技成果奖 气柜吊笼



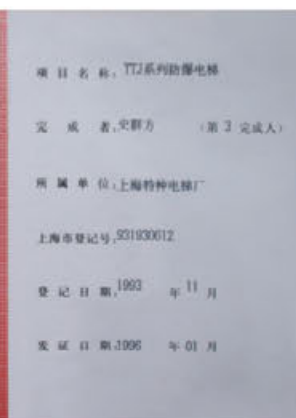
科技成果奖 气柜电梯



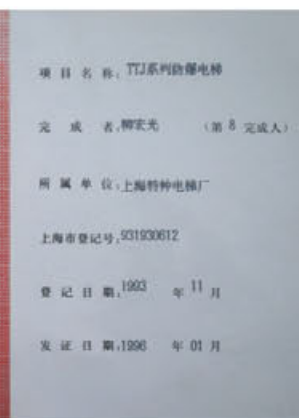
科技成果奖 防爆电梯



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 TECHNOLOGIES



### IP 控制柜

防尘防水电梯专用，IP 等级可达到 IP55，有效防止灰尘和水进入，保护控制柜内元件，保证电梯可靠运行。

#### IP Controller

Specifically for dust-proof and water-proof elevators. With the IP level of IP55, it can effectively prevent dust and water and protect the elements in the controller, so that it can run reliably.



### IP 控制柜内部

IP 电梯控制柜采用 IP55 控制柜外壳，内部控制系统采用技术成熟、市场主流控制系统（默纳克一体机），系统功能丰富、运行可靠、调试维护方便，满足电梯新标准的各项要求。

#### Inside the IP Controller

The IP elevator Controller applied the shell with level IP55. With the advanced control system of Monarch integrated Controller, it has abundant functions, reliable quality and is easy to maintain.



### 防爆电器控制箱

满足防爆要求的同时还具有 IP 的防护等级，防爆等级可达 IICT4/IIICT135℃, IP65，可以通过透视窗查看箱体内部电气元件的运行状况，进行调试和维护。

#### Explosion-proof Electrical Equipment Control Cabinets

It meets the requirements of both explosion proof and also reaches the IP protection level. The explosion proof level can be up to IICT4/IIICT135℃, IP65. The conditions of elements in the cabinet can be seen through the window, which facilitates the repair and maintenance.



### 防爆控制柜

隔爆、本安复合型防爆，可适用于气体、粉尘防爆，或者是气体粉尘复合型防爆，防爆等级可达 IICT4/IIICT135℃, IP65。

#### Explosion-proof Controller

The combined protection types of "d" (Flameproof) and "i" (Intrinsically safe) secures the safety in both gas and dust group. The explosion proof level can be up to IICT4/IIICT135℃, IP65.



### 防爆门机

门机整体防爆，隔爆、本安复合型防爆，可适用于气体、粉尘防爆，或者是气体粉尘复合型防爆，防爆等级可达 IICT4/IIICT135℃, IP65

#### Explosion-proof Door Operator

The door operator is completely explosion proof with the combined protection types of "d" (Flameproof) and "i" (Intrinsically safe), which is safe in both gas and dust group. The explosion proof level can be up to IICT4/IIICT135℃, IP65.



### 防爆曳引机（无齿轮）

永磁同步防爆曳引机，可用于无机房防爆电梯，产品成熟可靠、维护方便、噪音低、能耗低，采用隔爆、增安复合型防爆，同时机械部分防爆处理，可用于 IIBT4 防爆等级环境。

#### Explosion-proof Traction Machine (Gearless)

Permanent magnet synchronous explosion-proof traction machine can be applied in machine-roomless explosion-proof elevators, which is reliable, easy to maintain, quiet and energy efficient. It combines protection types of "d" (Flameproof) and "e" (Increased Safety). Also, the mechanical parts are treated to be safe in IIBT4 explosion-proof environment.



### 防爆曳引机（有齿轮）

异步型防爆曳引机，产品成熟可靠、维护方便，采用隔爆、本安复合型防爆，同时机械部分防爆处理，可适用于气体、粉尘防爆，或者是气体粉尘复合型防爆，防爆等级可达 IICT4/IIICT135℃, IP65

#### Explosion-proof Traction Machine (Gear Traction Machine)

Asynchronous explosion-proof traction machine combines protection types of "d" (Flameproof) and "i" (Intrinsically safe) and the mechanical parts are treated to be explosion-proof, so the machine is reliable and easy to maintain. It is safe in both gas and dust group. The explosion proof level can be up to IICT4/IIICT135℃, IP65.

## 核心科技

### CORE TECHNOLOGIES



#### 防爆风扇

横流式防爆风扇，运行噪音低，体积小安装方便，可适用于气体、粉尘防爆，或者是气体粉尘复合型防爆，防爆等级可达 IICT4/IIICT135℃, IP65。

##### Explosion-proof Blower

The cross-flow explosion-proof fan features is low noise and small volume. It is convenient to install and safe in both gas and dust group. The explosion proof level can be up to IICT4/IIICT135℃, IP65.



#### IP 电梯限位开关

IP 等级可达到 IP67，有效防止灰尘和水进入开关内部，可用于防爆、防尘、防水的电梯中。

##### IP Elevator Limit Switch

With the IP level up to IP67, it can effectively prevent dust and water from entering the switch, which can be used in explosion-proof, dust-proof and waterproof elevators.



#### 防爆超载装置

采用荷重传感器为主导的传感器加控制器结构，传感器直接安装于绳头处。根据轿厢载荷变化，直接输出满载、超载信号，检测精准度高，调整简单方便。

##### Explosion-proof Overload Device

The sensor-controller structure features is load sensor, which is installed directly on the rope head. It outputs the full-load and overload signal according to the actual load. The device has a high detection preciseness and easy to be adjusted.



#### 防爆电梯制动器

双线圈防爆制动器，满足电梯安全要求，采用隔爆、增安复合型防爆，可适用于气体、粉尘防爆，或者是气体粉尘复合型防爆，防爆等级可达 IICT4/IIICT135℃, IP65。

##### Explosion-proof Elevator Brake

Combining the protection types of "d" (Flameproof) and "e" (Increased Safety), the dual coil explosion-proof brake meets the elevator safety requirements and is safe in both in gas and dust groups. The explosion proof level can be up to IICT4/IIICT135℃, IP65.



#### 防爆电梯操纵箱及外呼

采用本质安全型防爆，可用于 IIBT4 及 IICT4 防爆等级环境，304 不锈钢面板，外观通用美观，维护方便，产品外观也可根据客户需求定做

##### Explosion-proof Elevator COP and LOP

With the protection type of "i" (Intrinsically Safe), it can be used in IIBT4 and IICT4 explosion-proof environment. With the 304 stainless steel plate, it has an elegant appearance and is convenient to maintain. The appearance can be tailor-made according to customers' needs.

#### IP 及消防电梯操纵箱外呼

消防电梯专用操纵箱，同时也可用于普通客梯功能，IP 等级可达到 IPX3~IP55，可在电梯正常运行状态和消防服务状态之间进行切换。

消防电梯专用外呼，IP 等级可达到 IP55，可在电梯正常运行状态和消防服务状态之间进行切换。

##### IP and Fire Elevator COP and LOP

The COP is specifically for fire elevators and can also be used in common passenger elevators. The IP level can be up to IPX3~IP55. It can be switched between Normal mode and Firefighting Mode.

The LOP is specifically for fire elevators. The IP level can be up to IP55. It can be switched between Normal mode and Firefighting Mode.



#### 串行防爆电梯外呼盒

隔爆型电梯外呼盒，防爆等级可达 IIBT4, IP65，显示部分有黑白和蓝白液晶可选。

##### Serial Explosion-proof LOP

The explosion-proof level of the d-type LOP can be up to IIBT4, IP65. There are two types of liquid crystal displays to choose from, the black-white one and blue-white one.





# 防爆电梯

## EXPLOSION-PROOF ELEVATOR



### 适用环境

1. 石油化工、延迟焦化装置、化肥厂、香料、香精、制药、油漆油墨、涂料行业及军工、火药推进剂工厂仓库、火箭发射架及海军综合补给舰等；
2. 适用于爆炸性气体环境的 1 区、2 区；
3. 适用于 II A、II B、II C 类爆炸性气体环境；
4. 适用于 III C 爆炸性粉尘环境；
5. 适用于 II C 爆炸性气体和 III C 爆炸性粉尘同时存在的环境；
6. 适用于潮湿、防护要求较高的爆炸性环境使用。

### APPLICATION ENVIRONMENTS

1. For oil chemical, delayed coking plant, chemical fertilizer plant, spices, essence, pharmaceutical, paint ink, paint industry and military industry, gunpowder propellant factory warehouse, rocket launcher and navy comprehensive supply ship etc;
2. For area 1 and 2 of explosive gas environment;
3. For II A, II B and II C explosive gas environment;
4. For environment with III C explosive dust;
5. For environment with both II C explosive gas and III C explosive dust;
6. For explosive environment with high humidity and requirements for prevention.

### 防爆电梯的特点

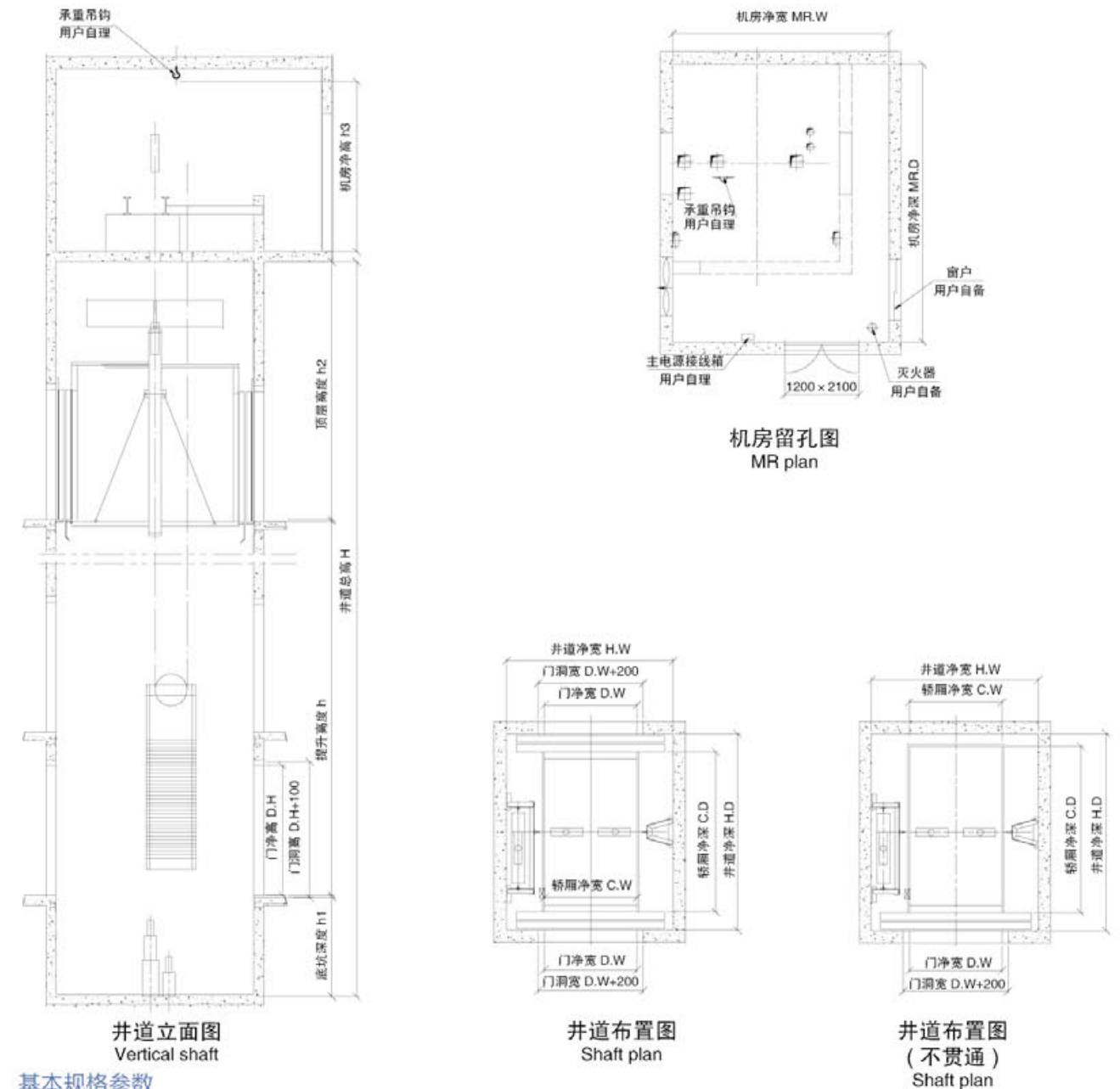
1. 自主开发的新一代变频调速防爆门机系统，通过信号开关反馈的信息进行闭环控制，具有优良的调速性能，启动力矩大、动态响应快、调试简单、运行平稳、噪音低等特点。
2. 自主研发的防爆控制柜结构紧凑、重量轻、并带有防爆散热装置，将柜内热量导出到柜外散发，保证控制系统的可靠运行。
3. 合理的防爆布线系统，强电与弱电线路分开布置，并有颜色就别，并加以金属管 / 槽保护，有效防止布线变换，提高电梯整体的可靠性及使用寿命。
4. 防爆电梯一体机控制系统，是将电梯智能逻辑控制与高性能变频调速控制高度融合，具有技术先进、性能优异、功能齐全、安全可靠、调试方便等特点。
5. 防爆电梯对建筑结构的要求与货梯要求基本一致，不需要作特殊处理，极大的适应于将老旧货梯改造成防爆货梯。

### CHARACTERISTICS OF EXPLOSION-PROOF ELEVATORS

1. The new generation of frequency control explosion-proof door machine system is independently developed. Through the signal switch feedback closed loop control of information, it has the characteristic like excellent performance of speed adjustment, high starting torque, fast dynamic response, simple debugging, stable operation and low noise;
2. The explosion-proof control cabinet is self-developed. It has a compact structure and lightweight. With the explosion-proof cooling device, the heat in the cabinet can be distributed out of the cabinet, which ensures reliable running of the control system;
3. Reasonable explosion-proof wiring system. High voltage is separated from the i-type circuit layout. And there are different colors for distinction. Metal pipe/tank protection effectively prevents wiring transformation and improves overall reliability and service life of the elevator;
4. Explosion-proof elevator machine control system combines elevator intelligent logic control and high integration, high performance frequency control of motor speed control with advanced technology. It has excellent performance and complete functions, and is safe, reliable and convenient for debugging etc;
5. The requirements of explosion-proof elevator on building structure is basically consistent with that of cargo elevators. It is not necessary to make special treatment, which means old cargo elevators can be easily transformed into explosion-proof cargo elevators.

## 防爆货梯标准土建布置图

## Explosion-proof Cargo 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

注：1、上述为土建简图，详细尺寸以技术部提供土建图为准。

2、超出以上规格范围的请咨询中奥房设电梯公司技术人员，可依客户要求定制。

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## 防爆气柜电梯 EXPLOSION-PROOF GASTANK ELEVATOR

## 防爆吊笼 EXPLOSION-PROOF CRANE CAGE



### 上海煤气公司30万立干式煤气柜

气柜梯设计、制造能力国内首屈一指的企业。

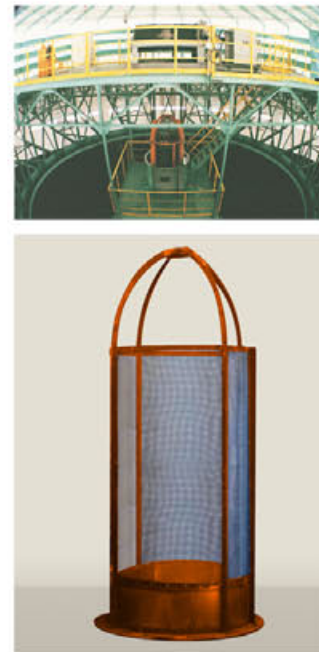
早在1963年就为辽宁省北台钢铁厂制造了国内第一台用于检修干式煤气柜的防爆电梯及专用吊笼。

早在1996年为亚洲最大、高度108米的上海煤气公司30万立干式煤气柜成功配套制造、安装了防爆电梯及防爆吊笼设备。

传承历史的荣耀，不断革新气柜梯的设计、寻求更稳定安全的配置，广泛赢得国内外客户的青睐，近年来先后为宝钢、首钢、天钢、南钢等单位提供各规格的气柜梯。

为2万立方米~30万立方米气柜配套防爆气柜梯及吊笼。

DMJa 干式煤气柜内部专用吊笼载重 250kg，额定速度 0.3m/s。



### SHANGHAI GAS COMPANY'S 300,000 M³ DRY GAS TANK

The First-class Company of Gas Tank Elevator Design and Manufacturing

As early as 1963, the first explosion-proof elevator and special cage for the maintenance of dry gas tank was built for Beitai steel works in Liaoning province.

In 1996, it successfully manufactured and installed 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.

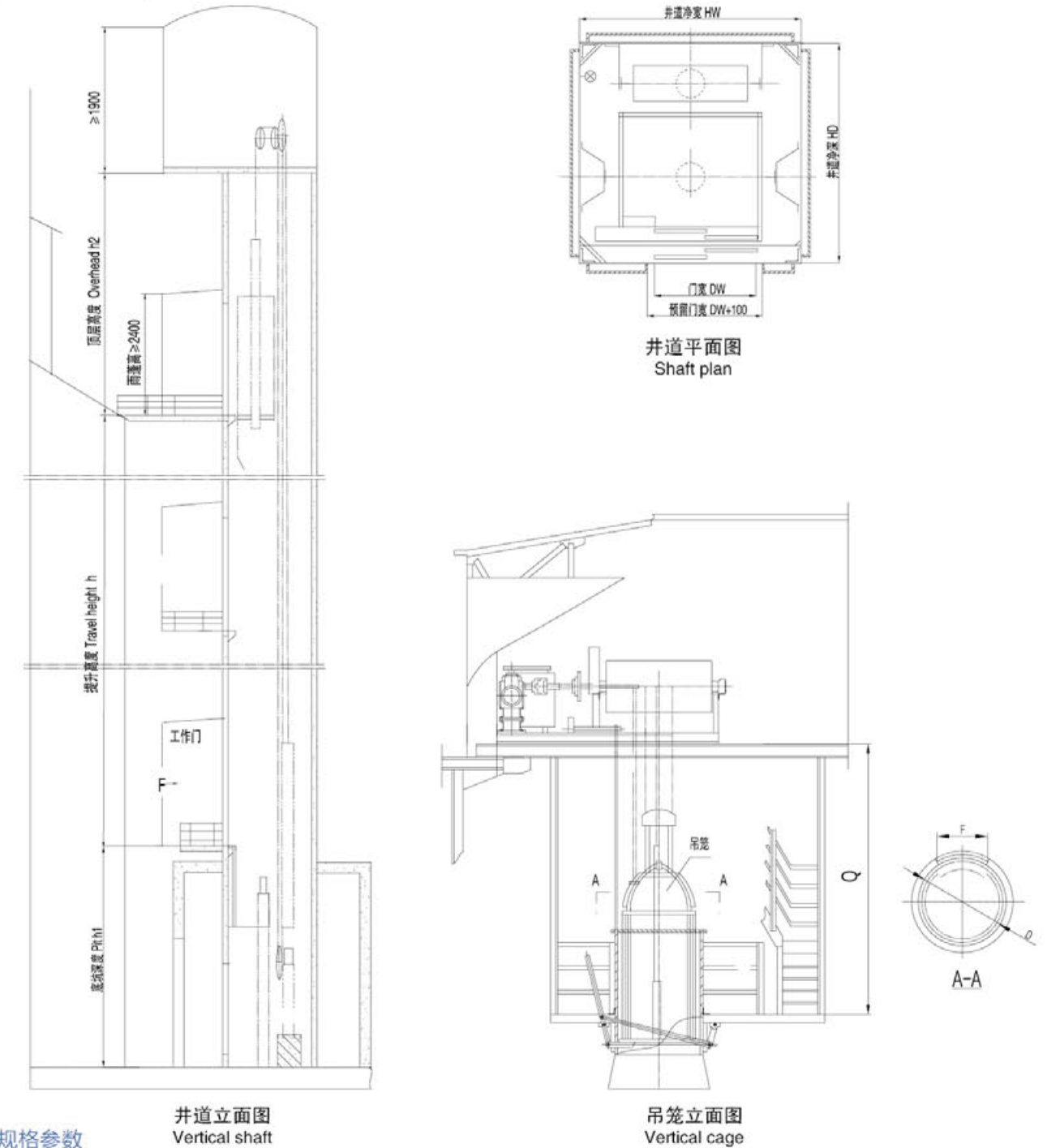
The company innovates the design and configurations of gas tank elevators continuously. Serving the Baosteel Group, Shougang Group, Tianjin Irons&Steel Group, Nanjing Steel Group and other clients, the gas tank elevators are welcome home and aboard.

Gas Tank Elevator and Crane Cage for 20,000 ~30,000 m³ Gas Tanks

Specific Crane Cage for DMJa Dry Gas Tank, Capacity 250kg, Rated Speed 0.3 m/s.

## 防爆气柜电梯标准土建布置图

## Explosion-proof Gas Elevator Standard Layout



### 基本规格参数

### Basic specification parameters

额定载重量 (kg) Rated Load	速度 (m/s) Speed	轿厢尺寸 (mm) Car Size C.W×C.D	开门尺寸 (mm) Door Opening D.W×D.H	井道尺寸 (mm) Shaft Net Size H.W×H.D	底坑深度 h1 Pit Depth (mm)	顶层高度 h2 Overhead Height (mm)
500	0.5	1400×1000×2200 1000×950×2200	700×2100	1950×1750 1550×1550	4000	4500
吊笼 Cage	开门方式 Opening Type	载重量 (kg) Loading Capacity	速度 (m/s) Speed	直径 Diameter D	门距 Door Width F	顶层高 Over Head Q
	移动 Side Door	250	0.3	1000	700	4000

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.



# IP 电梯

## IP ELEVATORS

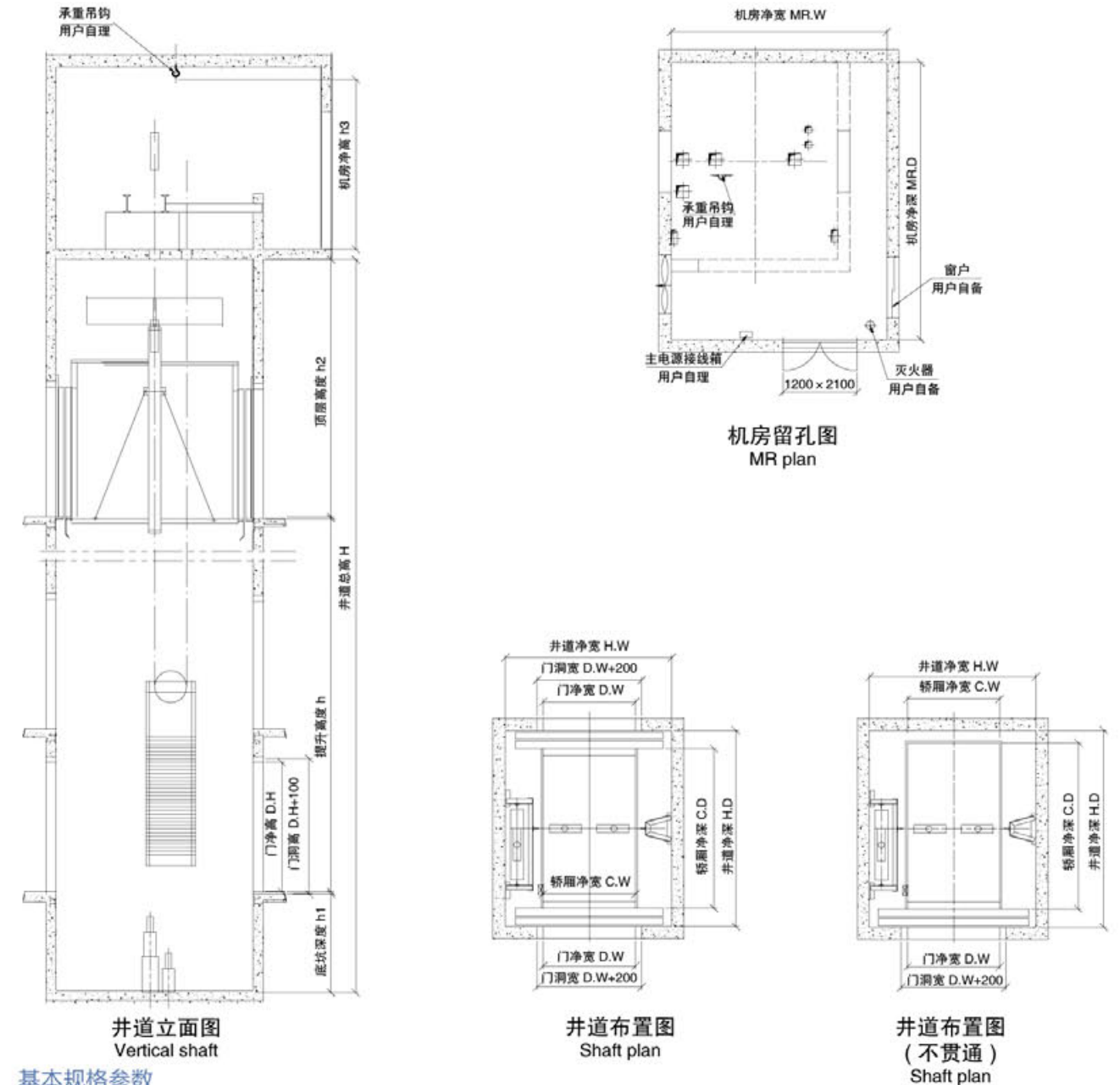
# IP 货梯标准土建布置图

## IP Cargo Elevator Standard Layout



IP 防护等级电梯主要用在有粉尘的火力发电厂、水泥厂、炼钢厂、矿山等场所。有积水和潮湿环境的水坝、水电站等地方。本电梯采用变频驱动，绿色节能，保证了电梯运行的舒适感。专用的 32 位微机系统，CAN 总线信号传输，系统抗干扰性强，能适用于各种恶劣工况。各主要部件均采用高 IP 防护等级，独特轿厢结构保证了使用的安全性和可靠性。

IP protection class elevator is mainly used in thermal power plants, cement plants, steel mills, mines and other places with dust environment, or places with stagnant water or high humidity like dam and hydropower station. The elevator adopts variable frequency drive, which is energy saving and guarantees comfort. The dedicated 32-bit microcomputer system, can bus signal transmission has strong anti-interference ability. It can be used in all kinds of working conditions. The main components all have high IP protection level; the unique cage structure ensures the safety and reliability.



### 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	2400×3800×2400		2400×2400	4200×4190	8650×4190	5000×5500×2800	9000×5500×2800	1700	4500
	0.5									4500

注：1、上述为土建简图，详细尺寸以技术部提供土建图纸为准。  
2、超出以上规格范围的请咨询中奥房设电梯公司技术人员，可依客户要求定制。  
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# 核岛电梯

## NUCLEAR ISLAND ELEVATOR

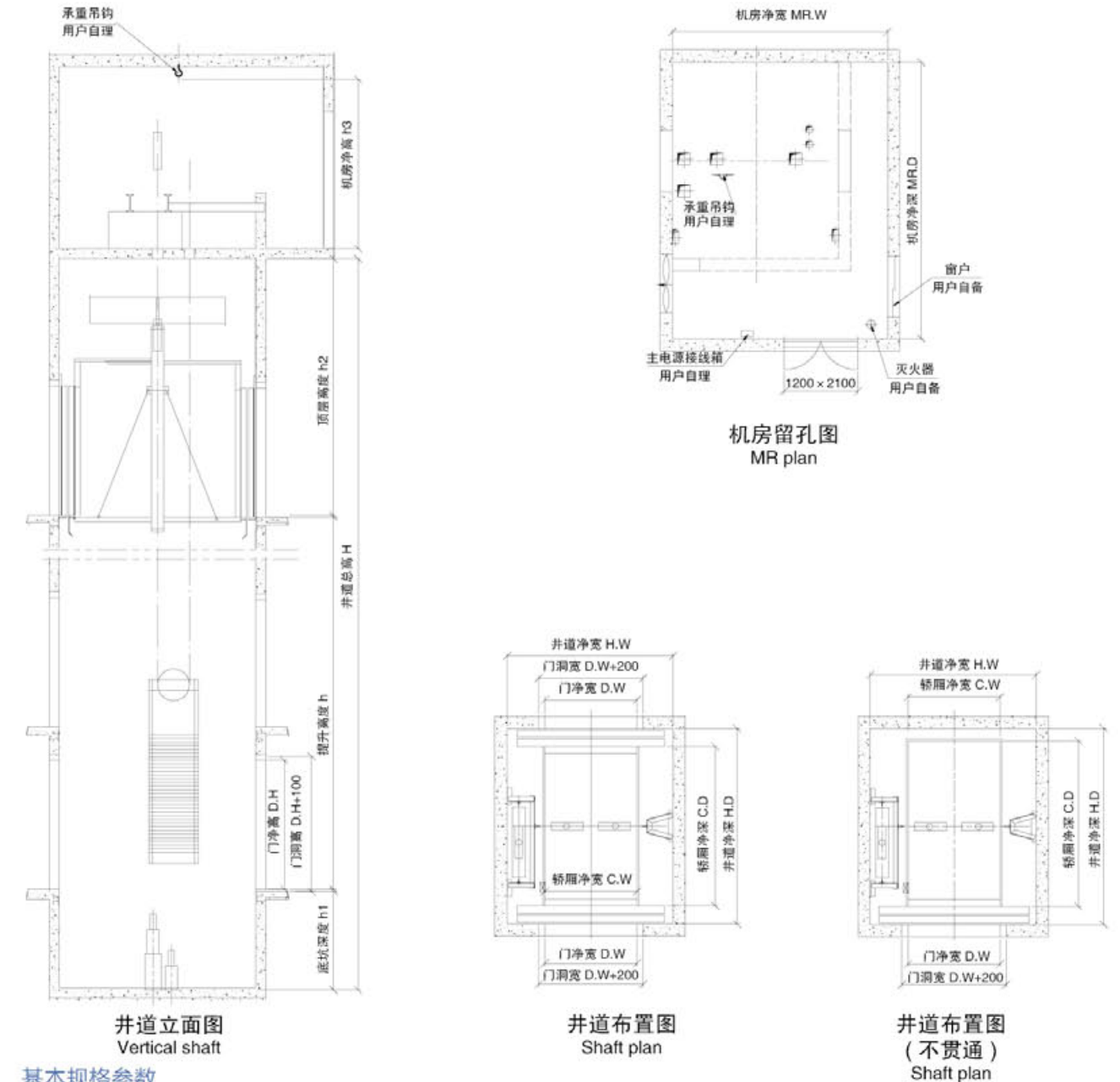


核岛电梯是在电梯的基本安全措施及结构的基础上，进行了大量的改进与提高，充分满足了核岛场所内对电梯的特殊要求，并且电梯的设计使用寿命与建筑物寿命一致。电梯安装在核电站的核岛内、汽机房、BOP 厂房内，用于人员及设备的提升运输，满足核岛场所内所有电气部件防护等级要求，以及核岛内机电设备的专用需求。核岛电梯同时还满足在核岛场所内不会与核岛内物质反应产生有害物质危险，并满足核岛相关安全规范的要求。

Based on the basic safety measures and structure, the company made a lot of improvements, to fully meet the nuclear area's requirements on elevators. And the service life of the elevators shall be in accordance with the building's life. Elevators are installed within the nuclear island, the turbine room and the BOP workshop to transport personnel and equipment. The elevators shall meet all electrical parts protection grade requirements within nuclear sites, shall not generate harmful staff and shall meet the safety standards of nuclear islands.

# 核岛电梯标准土建布置图

## Nuclear Island 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	2400×3800×2400		2400×2400	4200×4190	8650×4190	5000×5500×2800	9000×5500×2800	1700	4500
	0.5									4500

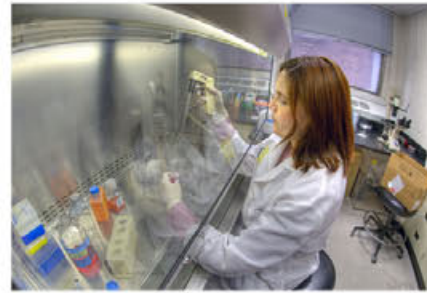
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## 洁净电梯 CLEAN ELEVATOR



### 适用环境

主要用于电子、光电、医学、生物、精细化工工厂车间或有洁净要求的实验室等适用于洁净度要求在 class100~100000 级的环境。

#### APPLICATION ENVIRONMENT

It is mainly used in electronic, photoelectric, medical, biological, fine chemical factory workshop or the laboratory with requirements for cleanliness of class100~100,000 level.

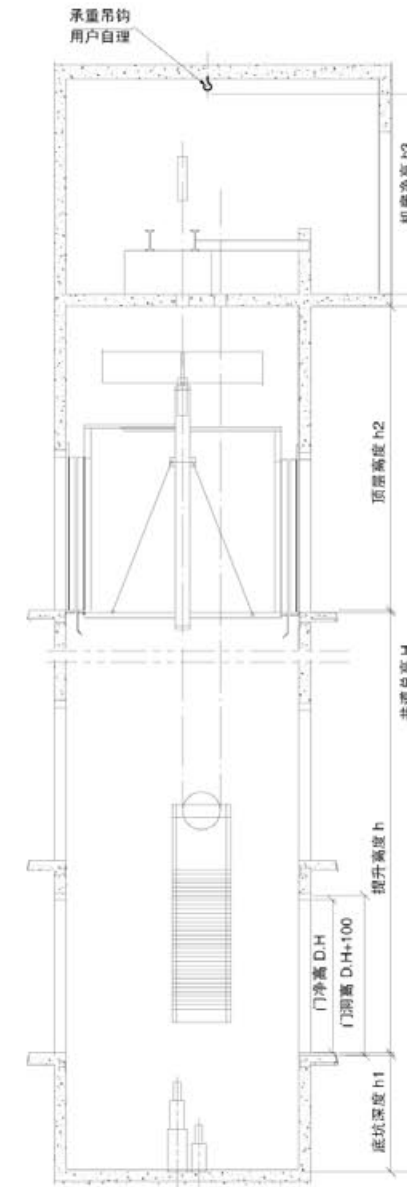
### 洁净电梯特点

- 1、电梯井道和机房作无尘处理，防止积尘、易除尘；
- 2、电梯运行的动态无尘处理，防止电梯本身产生尘埃；
- 3、电梯选用表面光滑无眩光、色彩淡雅柔和的材料，符合洁净厂房的设计规范；
- 4、整个系统防静电处理，接地引线采用综合接地方式接地，防止静电聚尘；
- 5、电梯轿厢里选用洁净照明灯具，防静电地板和用户要求的洁净度的洁净器，轿厢内满足用户的洁净要求；
- 6、洁净电梯有货梯和专用的杂物电梯，以便用户选用；
- 7、医用洁净电梯除具有洁净无尘外还有消毒灭菌的功能。

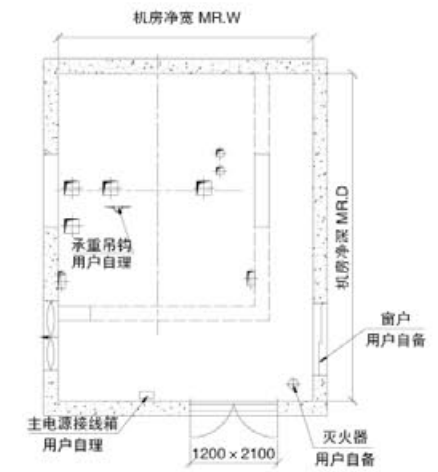
#### CLEAN ELEVATOR FEATURES

1. The elevator shaft and the machine room are treated to dust-free.
2. The motion of the elevator is dust-free. The elevator cannot produce dust itself.
3. The elevator chooses the smooth surface without glare, the color and material conforms to the design standard of a clean plant.
4. The whole system is anti-static and the grounding wire is grounded in a comprehensive grounding way to prevent electrostatic precipitation.
5. Use clean lighting, antistatic floors in the elevator car. Meet the user's cleanliness requirements.
6. Cargo and dumb waiter for users to choose from.
7. The clean elevator has the function of sterilization for use in hospitals.

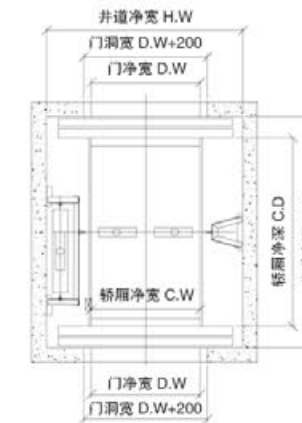
## 洁净电梯标准土建布置图 Clean Elevator Standard Layout



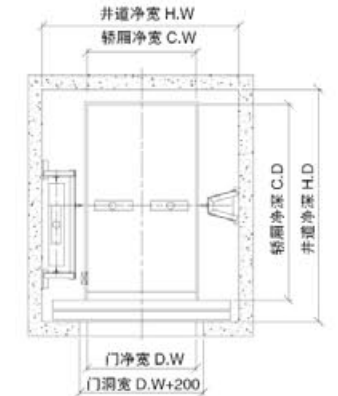
井道立面图  
Vertical shaft



机房留孔图  
MR plan



井道布置图  
Shaft plan



井道布置图  
(不贯通)  
Shaft plan

#### 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	2400×3800×2400		2400×2400	4200×4190	8650×4190	5000×5500×2800	9000×5500×2800	1700	4500
	0.5									4500

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2、超出以上规格范围的请咨询中奥房设电梯公司技术人员，可依客户要求定制。

Attention: 1. Above is simplified drawings. Detailed dimensions for technical department shall be according to the drawings provided by technology department.  
2. Please consult the technical staff of Zhong'ao for extra specifications, which can be tailor-made according to customer's requirements.





1. There are Normal mode, Fire Emergency Return Mode and Firefighter Mode.
2. There is back-up power supply for running in case of power failure.
3. There are advanced hoist-way and outside rescue measures.
4. It can reach the IPX3-IP54D protection level.
5. The customization of the comprehensive function of the fire control system.
6. Elevator fire protection landing door (120 minutes) can be selected.

[illegible]

载重 Capacity KG	额定人数 (Person)	速度 Speed m/s	最大提升 高度 H Max.Rise m	最大停站 Max.Stops	开门尺寸 OP mm	开门高度 OH mm	轿厢尺寸 DW×CD×CH mm	井道尺寸 HW×HD mm	顶层高度 h2 OH mm	地坑 h1 pit mm	机房尺寸 MRW×MRD×h3 mm	
1000	13	1.00	50	18	800/900	2100	1600×1500×2400	2100×2200	4400	2000	2100×4000×2400	
		1.75	90	31					4600	2000		
		2.00	100	34					5200	2500		
		2.50	120	41					5400	2600		
		3.00	150	51					5700	3400		
		4.00	200	68					6400	4200		
1150	15	1.00	50	18	900/1000		2100	1800×1500×2400	2400×2300	4400	2000	2400×4200×2400
		1.75	90	31						4600	2000	
		2.00	100	34						5200	2500	
		2.50	120	41						5400	2600	
		3.00	150	51						5700	3400	
		4.00	200	68						6400	4200	
1350	18	1.00	50	18	900/1000/1100	2100		2000×1500×2400	2600×2400	4400	2000	2600×4500×2800
		1.75	90	31						4600	2000	
		2.00	100	34						5200	2500	
		2.50	120	41						5400	2600	
		3.00	150	51						5700	3400	
		4.00	200	68						6400	4200	

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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.

