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本公司一贯注重技术创新, 依靠自主研发生产自主知识产权的产品。  
本公司作为, 行业领军企业, 在行业内享有广泛声誉, 是行业内最具影响力的企业之一。  
本公司拥有完善的质量管理体系, 通过了ISO9001:2008国际质量管理体系认证。  
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2016年3月获准



**Freight Elevator**  
载货电梯



中外合资 **菱电电梯有限公司**  
LINGDIAN ELEVATOR CO., LTD.



**菱电简介**  
LINGDIAN  
INTRODUCTION

菱电电梯有限公司是由香港菱电国际有限公司增资并控股的现代化专业电梯制造企业, 是一个用技术引领全球电梯业发展的领军者, 在经济快速发展的中国, 选择了长三角地区(南浔)作为企业发展基地, 用成熟的技术, 卓越的品质, 优秀的服务, 为人类创造安全舒适的高品质生活。

菱电电梯除按照国际先进理念对厂区进行合理规划, 分别设立行政中心、研发中心、电梯试验中心、电梯制造中心、物流中心等厂区, 是一家集研发、设计、制造、销售、服务、物流于一体的大型专业电梯制造企业, 总投资达三亿元人民币, 目前产能达一亿零八百万元人民币, 年总产量(共)达12000台以上。

通过对全球一流的电梯技术的传承, 结合世界的先进电梯设计理念, 为客户打造安全、可靠、卓越的电梯精品。公司已形成完善的产业体系, 在技术上不断创新, 自主研发, 采用国际先进工艺及最新一代先进材料工艺, 硬件上达到世界一流水准, 产品涵盖家用电梯、小机房乘客电梯、观光电梯、载货电梯、家用电梯、自动扶梯、自动人行道、自动人行道、自动人行道、自动人行道等十多种产品。菱电电梯正用国际化的产品标准和操作经验为中国的各地建筑提供优质服务, 我们将致力于打造世界一流的电梯制造基地, 为市场提供真正超越预期的产品和服务。



LINGDIAN Elevator Co., Ltd. has been established by Hongkong LINGDIAN Elevator International Co., Ltd. by forms of capital-increase merger. It is a modern and professional elevator manufacture enterprise. It is forefront in elevator industry that firstly uses high-tech to promote global elevator industry development. In China with high speed economic growth, it chooses Changjiang lower Delta Area (Nanxin) as the enterprise developing headquarters. It applies well-developed technology, outstanding quality, excellent services to create a secure, comfortable, high-quality life for human beings.

LINGDIAN Elevator absorbs advanced international ideas to rationally plan the factory zones. It respectively sets up Administration Center, Research & Development Center, Elevator Testing Center, Elevator & Escalator Manufacture Center, Logistics Center etc. It is a large-size specialized elevator manufacture enterprise that integrates elevator research, development, design, manufacture, sales, installation, repair, maintenance, transformation into one. Total investment is 300 million RMB. First-phase investment is 200 million and eight thousand RMB. It can annually produce over 12,000 sets of various elevators and escalators.

The company adheres to the world's first-class elevator technology and combines with the world's pioneer elevator design concept. It produces safe, reliable, outstanding elevators for broad clients. The company currently forms the perfect product system. Regarding technology, it fully keeps in pace with international first-class technology in Europe, America, Japan etc. It applies imported original parts and latest advanced section materials, craft & technology. In the aspect of hardware, it attains the first-class standard in elevator industry. The products cover passenger elevator, small machine room passenger elevator, machine room-less passenger elevator, observation elevator, hospital elevator, home elevator, freight elevator, automobile elevator, dumbwaiter, escalator / moving walk etc. with over 10 varieties. LINGDIAN Elevator provides Chinese landmark buildings with superior services by internationalized product standard and operation experiences. We are engaged in producing the world's first-class elevator manufacture base. It offers the markets the excellent elevators and services that satisfy and surpass the clients' requirements.



## 智载千斤 游刃有余

Intellectually bear any heavy loads at ease

无与伦比的安全性、全方位的解决方案、满足各种多样化需求、专业奉献完美电梯产品。我们将托举的载物工艺传播至全球，种种人性化的创意在设计师心中涌动，不断创新并造福于全球人类。

Unvalued safety properties and all-round technical solution plans satisfy various diverse requirements. We professionals offer you the perfect elevators. We promote pure original freight elevator technology to the world. We put out all kinds of fascinating and exquisite thoughts and design inspirations. We keep innovating upon new elevators and bringing benefit to human beings all over the world.

### 载物如人，安顿到家

Carefully carrying freight like passengers, smooth arrival

变频载货电梯，结合电梯工程技术等尖端技术，强劲的驱动系统，高度优化机械驱动设计，可承载大量货物，并在实际运营条件下实现平稳运行，行程高效可靠，运行精准、平稳精确等特点，广泛应用于工厂、仓库、商场等货运场所。

LINGDIAN freight elevator combines with top technologies such as elevator engineering etc. Fine-tune drag system and highly reinforced mechanical structure design can contain a lot of goods. It still operates normally under special harsh conditions. It features as effective, reliable, firm, durable, accurate leveling etc. It is widely applicable for vast freight transport areas such as factory, warehouses, shopping center and so on.

## Perfect technology fulfills outstanding freight transport

完美科技 成就非凡货运

为您提供最可靠的载货方案  
We provide you with the most reliable goods transport plans

作为世界领先电梯产品，载货从实际的载物对象需求出发，从选材、结构、设计等多方面综合考虑，赋予产品承载力强、经久耐用、安全可靠等独特优势。

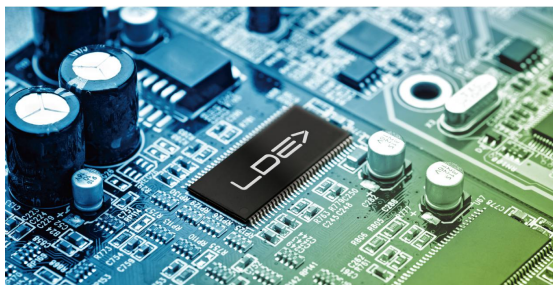
As freight elevator series, LINGDIAN starts from actual freight requirements. It comprehensively considers various factors such as material selection, technology, design etc. Various elevators are endowed with unique advantages such as strong carrying capacity, durable, safe, reliable etc.

### 高智能的微计算机系统

Highly intellectual micro-computer system

电梯应用先进的变频驱动主从控制、霍尔反馈、可靠性强。对电梯进行全闭环控制，有效提升运行性能，降低功耗。

Elevator applies micro-computer control system to fulfill more contractor control with simple and convenient operation, high stability. It achieves fully closed loop control technology to elevators. It thus effectively enhances the running performance, it reduces power consumption.



## 高效、高速、高端的智能化设计

Effective, high speed and high end intellectual design

VVVF变频门机，平稳开关，连续运行  
永磁同步驱动门机，可靠运行，高精度开门  
位置控制精准，精准定位，安全平稳

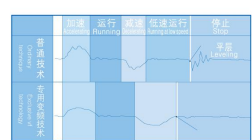
VVVF variable frequency door machine, smooth opening / closing, smooth operation  
Permanent magnet synchronous and directly-driven door machine. Reliable operation, high precision door-opening.  
Position control system: Accurate positioning, safe leveling



## 力矩特性优良

Superior torque characteristics

变频载货电梯VVVF调速的最大特点在于其恒定的力矩特性，无论轻重载，其运行速度、舒适度、平顺感均不受影响。



加速/减速曲线对比  
A comparison of accelerating and decelerating curves



Freight elevator

载货电梯

经济耐用，庄重大气  
Economic, durable, graceful, imposing

机电一体化驱动，其应用的全电脑模块化电梯专用控制系统，高效可靠的驱动方式，轻柔灵敏的VVVF变频调速，使之在各种工况下平稳运行。庄重大气：高强度结构钢结构，防撞梁以及光幕门的设置可最大限度地保障货物安全运行。宽敞多用途货梯轿厢，运行平稳，创造出全新的货物承载理念。

We apply the fully computerized modular elevator special control system, effective and reliable drive mode, sensitive and flexible VVVF variable frequency door machine for LING-DIAN serial freight elevator so that our elevator can have relaxed transport under various work conditions. High strength car structure, anti-collision strip, photoelectric door setting can satisfy all kinds of the freight transport. They are also applicable for different building structures. As a result, we can tackle more and more transport tasks at ease and create a completely new freight carrying concept as well.

坚固耐用的轿厢  
The firm and durable car

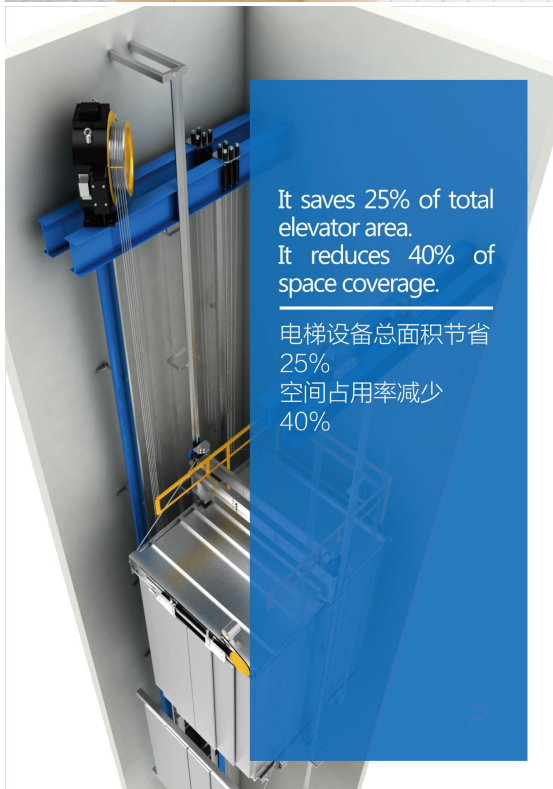
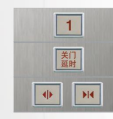
高强度的板料折弯成型技术，确保轿厢坚固耐用，并可配备防撞设计的防撞护栏，让货物得到多重保护。

高度精确的平层  
Highly accurate leveling

平层准确度可控制在毫米级范围之内。

开门距大  
Large door width

采用多折式厅门，达到最大开门宽度，便于大货物的进出。



It saves 25% of total elevator area.  
It reduces 40% of space coverage.

电梯设备总面积节省  
25%  
空间占用率减少  
40%

Machine roomless freight elevator

无机房载货电梯

预留一份空间，创造更多可能  
It leaves space in advance, creates more and more possibilities

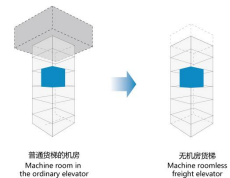
只有拥有更多建筑自由度的产品才能在建筑领域大行其道。为此我们拥有创新的建筑解决方案，无机房载货电梯系列产品，不去占用井道之外的空间，结构紧凑。

Only elevators with more and more construction freedom can be favored by architect masters. In order to change influence of traditional elevator with machine room to building outline, LINGDIAN machine roomless freight elevator develops machine roomless series. It does not take any other space except well. It is compact in structure.

绿色驱动，高效节能  
Green, effective, energy-saving drive

采用无机房载货电梯产品在低碳环保为设计理念，节能环保；以最大限度利用井道空间，节省建筑面积，降低建设成本为终极目标，充分与产品环保化之精神。与同等载重量轿厢的有机房电梯相比，节约电能约40%，节约建筑面积10%。

LINGDIAN machine roomless freight elevator takes low carbon environment protection as design concept. It saves energy and reduce loss. It utilizes the well space to the greatest extent. It regards saving the building area and decreasing the building cost as ultimate goal. It gives a full play of green building spirit of the products. Compared with great elevator with same load level, it can save 40% of electric energy, 10% of building area.



## Automobile elevator 汽车电梯

### 完美空间，汽车尊享 Noble automobile enjoyment of perfect spaces

康电汽车电梯引进国际成熟汽车升降技术，经过吸收、转化、提升，而开发生产的汽车升降梯。康电强大的技术能力解决了因轿厢受力不均而导致牵引系统负载加重，并产生噪音从而引起轿厢晃动这一技术障碍，优化了这一系列产品的特性。

We develop and produce LINDOWN automobile elevator through absorption, transformation and enhancement by introducing the world's well-developed automobile elevator technology. The powerful technical capacity of LINDOWN reduces the traction system burden due to uneven force to the elevator car. It solves the technical obstacle of shaking elevator car due to noise production. It optimizes the characteristics of the product series.



- 照明 Illumination  
LED射灯 LED down lamp
- 轿顶 Car ceiling  
喷漆钢板 Paint steel
- 轿门、轿壁 Car door、Car wall  
喷漆钢板 Paint steel
- 轿厢顶盖板 COP  
发纹不锈钢面板 Hairline stainless steel
- 地坎 Car floor  
花纹钢板 Checkered steel plate
- 地坎 Sill  
钢板 Steel plate

### 双操作箱设计 (选配) Dual operation panels design (Optional)

轿厢内设有两只操作箱，司机无须走出汽车，就可以操纵电梯。  
There are two operation box in the car. Therefore the driver can operate the elevator in the car without stepping out of it.



### 可前后开门的电梯轿厢 Front-and-aft opening elevator car

电梯轿厢设有前后开门，更方便了汽车安全进出轿厢。  
Elevator car has front and rear door opening. It is more convenient for automobiles to safely enter into / exit from elevator cars.



窗口型 (上下直分)  
Window type (Up and down directly separated)



落地型 (上下直分)  
Ground type (Up and down directly separated)

## Dumbwaiter elevator 杂物电梯

占用空间小，无需很强的土建承载力，无论新旧建筑均能实现安装、经济设计。

Small space required. No excessive study civil work is required. Perfect and economical designs can be provided not only to new constructions but to old ones as well.

使用先进的微机控制模块使电梯运行平稳、准确。

It uses advanced micro-computer control module to bring about smooth elevator operation and accurate leveling.

人性化的设计使其操作更灵活。

Personalized design makes the operation more flexible.

由于其载重量小的特点，可以分为窗台式无轿厢式两种。

Due to its light load feature, the elevators comprise two types, windowless type and pushing trolley type.

本系列杂物电梯安全、实用、精致、宁静，操作灵活且易于维修，具有多种标准系列的品种和规格，亦可按照用户需求专门设计。

The dumbwaiter elevators in this series are safe, practical, elegant, quiet, flexible in operation and easy in maintenance. They come in multiple specifications in various standard series and customized design can be done according to the user's requirements.



Freight elevator  
car decoration  
货梯轿厢装潢



LDJ 201	标配 Standard
轿顶: 喷涂钢板	Ceiling: Paint steel
轿壁/轿门: 喷涂钢板	Car wall/Car door: Paint steel
照明: LED节能灯	Illumination: LED energy-saving lamp
开门方式: 旁开式	Door opening mode: Side opening
地板: 花纹钢板	Floor: Checkered plate



LDJ 202	选配 Optional
轿顶: 拉丝不锈钢	Ceiling: Hairline stainless steel
轿壁/轿门: 拉丝不锈钢	Car wall/Car door: Hairline stainless steel
照明: LED节能灯	Illumination: LED energy-saving lamp
开门方式: 双折中分式	Door opening mode: Double-folded center opening type
地板: 花纹钢板	Floor: Checkered plate

Operation panel  
操纵箱



LDC 201  
标配 Standard



LDZ 201

轿厢防撞条 (选配)  
Crash barrier of elevator(Optional)



木质  
Wooden



黑色橡胶  
Black rubber

地板 Floor

采用高强度型材制作，经久耐用。  
It adopts the high strength section material for the manufacture with the fine durability.

地板样式 Pattern	材质 Material
	花纹钢板 Checkered steel plate

Landing door series  
厅门系列



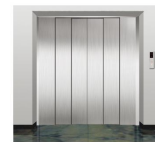
中分式  
Center opening



旁开式  
Side opening



双折中分式  
Double-folded center opening type



三折中分式  
3-Folded center opening type

Color card  
色卡

LDS 001 宝石蓝 Jewelry blue	LDS 002 象牙黄 Ivory	LDS 003 橘收灰 Orange grain gray	LDS 004 橘收黄灰 Orange grain yellow gray	LDS 005 蓝青 Egg blue

● 图片为电脑模拟图，可能与实际颜色有差别。  
The pictures are plotted by computer and are likely somewhat different from the actual products.

# Function table

## 电梯功能表



### 标准功能 Standard Function

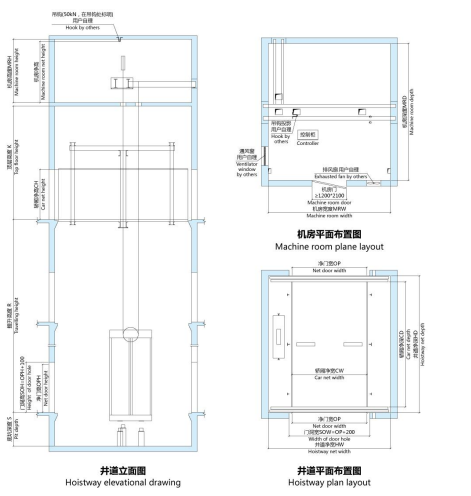
<b>运行功能</b> Running Function	<p><b>自由运行</b> Free running</p> <p>电梯在无人操作的情况下，按照由站外召唤运行，并由站外召唤停止。</p> <p>When there is no operation, the elevator runs according to the instruction of passengers outside the car.</p> <p><b>轿厢运行</b> Elevator running</p> <p>电梯由站外进行召唤，均按召唤方向运行。电梯按召唤方向运行，电梯运行至站外召唤楼层时，电梯门打开。</p> <p>Direction is operated by outside, operation direction will be according to passengers and elevator will run to the destination floor according to the car call.</p> <p><b>轿厢门打开</b> Elevator door opening</p> <p>轿厢门在到达召唤楼层时打开。</p> <p>According to correct registered landing call and call situation, system will automatically adjust the door open holding time.</p> <p><b>光幕开门</b> Door is open at current floor</p> <p>光幕打开，可以防止乘客被门夹伤。</p> <p>When door is closing, door will be opened by pushing landing call button at current floor.</p> <p><b>防止乘客被门夹伤</b> Prevent passengers from being caught by door</p> <p>防止乘客被门夹伤，乘客被门夹伤时，门会自动打开。</p> <p>If passengers press the warning floor button in car, alarm buzzer (red light) can cancel the warning signal.</p> <p><b>检修</b> Maintenance</p> <p>当检修时，电梯停止运行，电梯不能运行。</p> <p>When electric stop is in effect, elevator cannot run in any direction.</p>
<b>安全功能</b> Safety Function	<p><b>光幕保护</b> Light curtain protection</p> <p>当光幕被触发时，门不会关闭，门会自动打开。</p> <p>When light curtain is triggered, door will stop closing at once and automatically opens.</p> <p><b>超载保护</b> Overload exp.</p> <p>当超载时，电梯停止运行，门不会关闭。</p> <p>When elevator is overloaded, elevator door needs opening, load registered elevator stops at the current floor.</p> <p><b>检修操作</b> Maintenance operation</p> <p>当检修时，电梯停止运行，电梯不能运行。</p> <p>When elevator enters the inspection mode, car will not run in any direction.</p> <p><b>检修急停按钮</b> Emergency stop button</p> <p>检修急停按钮可以急停，以便检修人员操作。</p> <p>Emergency stop button can be used to stop the elevator and restart elevator running.</p> <p><b>检修安全装置</b> Anti-landing with fault</p> <p>当检修时，电梯停止运行，门不会关闭。</p> <p>When there is any fault occurred in elevator running, when safety device is valid, elevator stops at the nearest floor.</p> <p><b>上下层门互锁</b> Door interlock</p> <p>当上下层门同时打开时，电梯不能运行。</p> <p>When there is any fault occurred in elevator running, when safety device is valid, elevator stops at the nearest floor.</p> <p><b>上下层门互锁</b> Door interlock</p> <p>当上下层门同时打开时，电梯不能运行。</p> <p>When there is any fault occurred in elevator running, when safety device is valid, elevator stops at the nearest floor.</p> <p><b>上行运行速度</b> Upward running speed</p> <p>当电梯上行运行时，速度不能超过额定速度。</p> <p>When elevator runs up in over speed, the device forces elevator to decelerate and braking.</p> <p><b>安全钳保护</b> Safety clutch protection</p> <p>当安全钳动作时，电梯停止运行。</p> <p>When safety clutch is operated, elevator stops running at once.</p> <p><b>门区保护</b> Door zone protection</p> <p>当有门区保护时，电梯不能运行。</p> <p>Only if there is no door zone protection, elevator starts running at once.</p> <p><b>门区保护</b> Door zone protection</p> <p>当有门区保护时，电梯不能运行。</p> <p>Only if there is no door zone protection, elevator starts running at once.</p> <p><b>门区保护</b> Door zone protection</p> <p>当有门区保护时，电梯不能运行。</p> <p>Only if there is no door zone protection, elevator starts running at once.</p> <p><b>门区保护</b> Door zone protection</p> <p>当有门区保护时，电梯不能运行。</p> <p>Only if there is no door zone protection, elevator starts running at once.</p>
<b>人机界面</b> Human-machine Interface	<p><b>紧急报警按钮</b> Micro push button</p> <p>当乘客被困在轿厢内时，乘客可以按下紧急报警按钮。</p> <p>When passengers are trapped in the car, they can press the emergency alarm button.</p> <p><b>运行速度显示</b> Running speed display</p> <p>系统显示运行速度，如速度、楼层、时间。</p> <p>System can display running direction, floor, speed, time, etc.</p> <p><b>无障碍语音提示</b> Non-stop floor call</p> <p>当乘客在无障碍电梯中时，系统会自动语音提示。</p> <p>Set the non-stop floor according to the customer's requirement.</p> <p><b>紧急报警按钮</b> Emergency stop button</p> <p>当乘客被困在轿厢内时，乘客可以按下紧急报警按钮。</p> <p>When passengers are trapped in the car, they can press the emergency alarm button.</p> <p><b>紧急报警按钮</b> Emergency stop button</p> <p>当乘客被困在轿厢内时，乘客可以按下紧急报警按钮。</p> <p>When passengers are trapped in the car, they can press the emergency alarm button.</p>
<b>其他功能</b> Other Function	<p><b>轿厢门防夹</b> Door zone protection</p> <p>当轿厢门关闭时，如果检测到有人或物在门区，门会自动打开。</p> <p>When the door is closing, if there is any abnormal situation in the door zone, the door will automatically open.</p> <p><b>轿厢门防夹</b> Door zone protection</p> <p>当轿厢门关闭时，如果检测到有人或物在门区，门会自动打开。</p> <p>When the door is closing, if there is any abnormal situation in the door zone, the door will automatically open.</p>

### 选配功能 Optional Function

<b>运行功能</b> Running Function	<p><b>紧急报警按钮</b> Emergency lighting</p> <p>当乘客被困在轿厢内时，乘客可以按下紧急报警按钮。</p> <p>When passengers are trapped in the car, they can press the emergency light button automatically.</p> <p><b>紧急报警按钮</b> Emergency electric operation</p> <p>当乘客被困在轿厢内时，乘客可以按下紧急报警按钮。</p> <p>When elevator enters into emergency electric operation state, elevator runs in the speed according running.</p> <p><b>紧急报警按钮</b> Emergency stop button</p> <p>当乘客被困在轿厢内时，乘客可以按下紧急报警按钮。</p> <p>When passengers are trapped in the car, they can press the emergency stop button.</p>
<b>安全功能</b> Safety Function	<p><b>紧急报警按钮</b> Emergency stop button</p> <p>当乘客被困在轿厢内时，乘客可以按下紧急报警按钮。</p> <p>When passengers are trapped in the car, they can press the emergency stop button.</p>
<b>人机界面</b> Human-machine Interface	<p><b>紧急报警按钮</b> Emergency stop button</p> <p>当乘客被困在轿厢内时，乘客可以按下紧急报警按钮。</p> <p>When passengers are trapped in the car, they can press the emergency stop button.</p>
<b>其他功能</b> Other Function	<p><b>紧急报警按钮</b> Emergency stop button</p> <p>当乘客被困在轿厢内时，乘客可以按下紧急报警按钮。</p> <p>When passengers are trapped in the car, they can press the emergency stop button.</p>

# Automobile elevator construction sketch

## 汽车电梯土建图



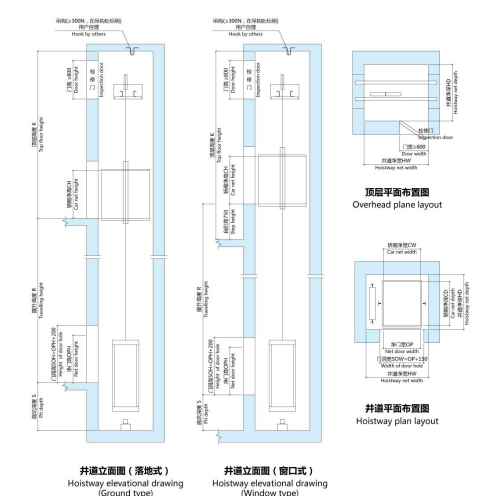
汽车电梯参数表 Automobile elevator specifications

轿厢重量 (kg)	速度 (m/s)	轿厢尺寸 (mm)	开门方式 (Opening Method)	井道尺寸 (mm)	轿厢尺寸 (mm)	轿厢高度 (mm)	轿厢宽度 (mm)	轿厢深度 (mm)	轿厢尺寸 (mm)
3000	0.5	2800x2600	双折半开式	2800x2800	4250x2000	5000	1700	30	4250x4200x2900
4000	0.25/0.5	3200x4000	双折半开式	3200x2800	4500x4500	5000	1700	15/20	4500x4500x2900
5000	0.25/0.5	3200x7000	双折半开式	2800x2800	4950x7000	5000	1700	15/20	4950x7000x2900

注：轿厢尺寸仅供参考，具体尺寸以实际为准。  
注：轿厢尺寸仅供参考，具体尺寸以实际为准。

# Dumbwater elevator construction sketch

## 杂物电梯土建图



杂物电梯参数表 Dumbwater elevator specifications

轿厢重量 (kg)	速度 (m/s)	轿厢尺寸 (mm)	开门方式 (Opening Method)	井道尺寸 (mm)	轿厢尺寸 (mm)	轿厢高度 (mm)	轿厢宽度 (mm)	轿厢深度 (mm)	备注
100	0.4	700x700	上下半开式	700x800	1250x900	3600	750	20	窗台式
200	0.4	900x900	上下半开式	900x1000	1450x1100	3300	750	20	窗台式
200	0.4	900x900	上下半开式	900x1000	1450x1100	3200	1000	20	落地式
250	0.4	1000x1000	上下半开式	1000x1200	1550x1200	3500	1000	20	落地式

注：轿厢尺寸仅供参考，具体尺寸以实际为准。  
注：轿厢尺寸仅供参考，具体尺寸以实际为准。

