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发电电梯 联盟智造



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2023年A版

UN-E[®]
UNITED ELEVATOR

发电电梯
联盟智造

PASSENGER
ELEVATOR

联盟乘客电梯系列

联盟电梯（苏州）有限公司
UNITED ELEVATOR (SUZHOU) CO., LTD

Safer, Smarter, More Energy-Efficient

更安全、更智能、更节能

更安全的电梯

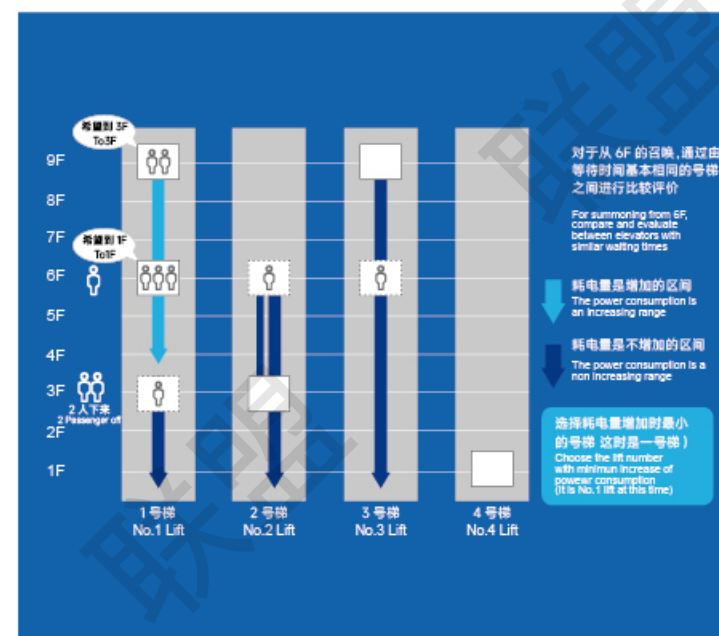
联盟乘客电梯全系产品均搭载了全方位的安全保护装置,结合最先进的物联网维保服务模式,时时刻刻给您全面保护,乘坐更放心。

智能光幕 应急停靠 安全门锁 视频安抚
防止意外移动 备用电源 故障自诊断 消防安抚

Safer elevators

The whole series products of passenger elevator from UNITED Elevator are all equipped with a full range of safety protection devices, combined with the most advanced internet maintenance service mode, providing every moment of the comprehensive protection for you, and please rest assured when taking the elevator.

Intelligent screen The emergency stop Safety door latch Video soothing
Prevent accidental movement Emergency power supply Self-diagnosis of trouble Fire control function



电梯能效证书(依据 VDI4707)	
制造商: 联盟电梯(苏州)有限公司	
使用地点: 苏州市吴江区七都镇七都大道	
2455 号联盟电梯(苏州)合作公司试验塔	
电梯型号: UN-PS-GD800-S1-0075-4 (载重量: 2000kg)	
电梯种类: 曳引式客梯	
额定荷载: 2000 kg	
运行速度: 4.0 m/s	
每年运行天数: 365(满座)	
待机功率: 规定运行能耗:	

权威机构能效认证

更智能的电梯

联盟电梯积极探索电梯领域的各项智能技术,不但提高了电梯的运行效率,更为城市楼宇垂直交通提供了高效的管理解决方案。安全顺畅的客流运输,节约时间成本,为客户创造更多价值。

智能群控系统 智能电梯远程监控系统 智能门禁控制系统 智能目的层系统

Smarter elevators

UNITED Elevator actively explores various intelligence technology in the field of elevator, which not only improves the efficiency of the operation of the elevator, but also more provide efficient management solutions for vertical transportation in urban buildings. Safe and smooth passenger transportation save time cost and create more value for customers.

Intelligent group control system Remote monitoring system of intelligent elevator
Smart gate control system Intelligent targeted selection system

更节能的电梯

联盟电梯顶尖的节能技术,帮助您打造既节约能源,又节约成本的绿色建筑。
首创四象限变频驱动技术

业内首创四象限变频驱动技术,运用 IGBT 功率模块可以实现能量的双向流动,一方面可消除对电网的谐波污染,另一方面可以将电动机回馈产生的能量返送到电网,达到节能的效果。

More energy-efficient elevators

Top skills of UNITED Elevator help you build a green building that saves energy and costs
Initiative four-quadrant frequency-conversion drive technology

Initiative four-quadrant frequency-conversion drive technology in the industry, namely achieving two-way flow of energy through IGBT power module. On the one hand, the harmonic pollution of the power grid can be eliminated; on the other hand, the energy generated by the motor feedback can be sent back to the grid to achieve energy-efficient effects.

Four Quadrant Frequency Conversion Drive Technology

四象限变频驱动技术(发电技术)

四象限变频器

普通变频器大都采用二极管整流桥将交流电转换成直流,然后采用 IGBT 逆变技术将直流转化成电压频率皆可调整的交流电控制交流电动机。这种变频器智能工作在电动状态,所以称之为两象限变频器。由于两象限变频器采用二极管整流桥,所以无法实现能量的双向流动,所以没有办法将电机回馈系统的能量送回电网。在一些电动机要回馈能量的应用中,比如电梯、提升机、离心机系统、抽油机等,只能在两象限的变频器上增加电阻制动单元,将电动机回馈的能量消耗掉。另外,二极管整流桥会对电网产生严重谐波污染。

IGBT 功率块可以实现能量的都双向流动,如果采用 IGBT 做整流桥,用高速度、高运算能力的 DSP 产生 SVPWM 控制脉冲。一方面可以调整输入的功率因数,消除对电网的谐波污染,让变频器真正成为“绿色产品”。另一方面可以将电动机回馈产生的能量反馈送到电网,达到节能效果。

联盟 1000kg 小机房乘客电梯 10 层站常规使用,每年节约费用 3000~5000 元(选配)

Four-quadrant converter

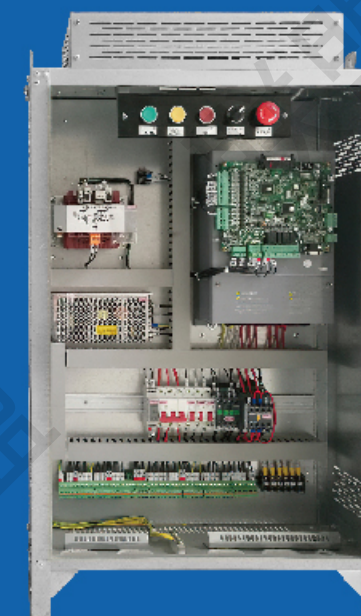
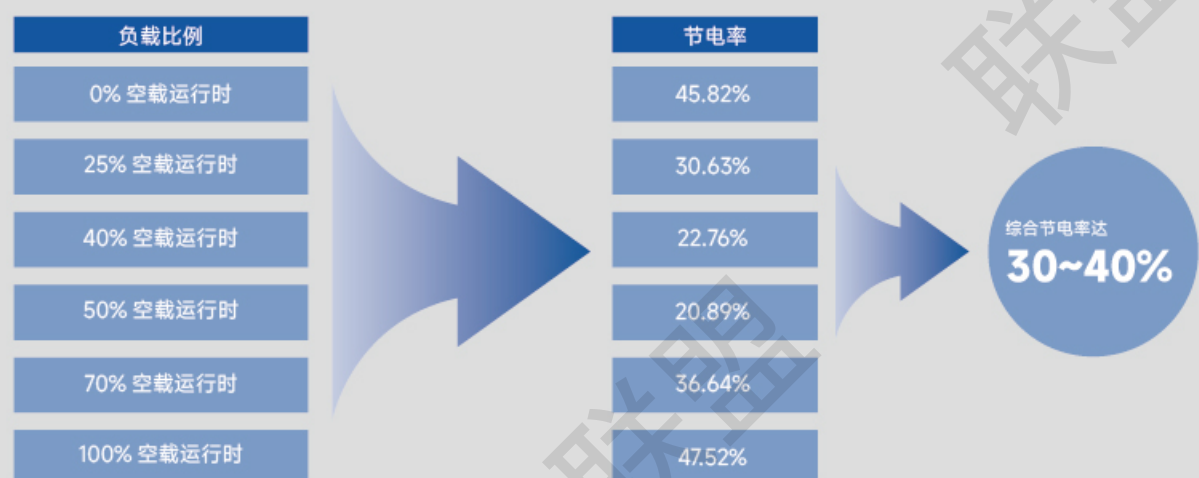
General inverters mostly adopt the diode rectifier bridge to convert alternating current to direct current, and then by using IGBT inverter technology the direct current is converted into alternating current (AC), which is of adjustable voltage frequency, to control AC motor. This frequency converter can only work in an electric state, so it's called a two-quadrant converter. The two quadrant converters adopt the diode rectifier bridge, and there is no way to realize the two-way flow of energy, so there is no way to return the energy of the motor feedback system to the grid. In the application of some motors which have regenerative energy, such as elevators, hoisters, centrifuge system, pumping unit, etc, only through adding resistance braking unit on two-quadrant converter, can the motor feedback energy be consumed. In addition, diode rectifier bridges will create severe harmonic pollution to the grid.

IGBT power modules can achieve two-way flow of energy. If IGBT is used as a rectifier bridge the SVPWM control pulse is generated by DSP with a high speed and high computing power. On the one hand, you can adjust the input power factor to eliminate the harmonic pollution to the power grid, making the frequency converter really become the "green product". On the other hand, the energy generated by the motor feedback can be sent back to the grid to achieve energy efficient effects.

UNITED Elevator's 1000kg passenger elevator used in small machine room with 10 floors normal use saves the cost of 3000 ~ 5000 yuan per year (Optional)

节电率统计表格

Statistics table for electricity saving rate



普通系统



联盟发电系统

四象限驱动变频器控制柜优点

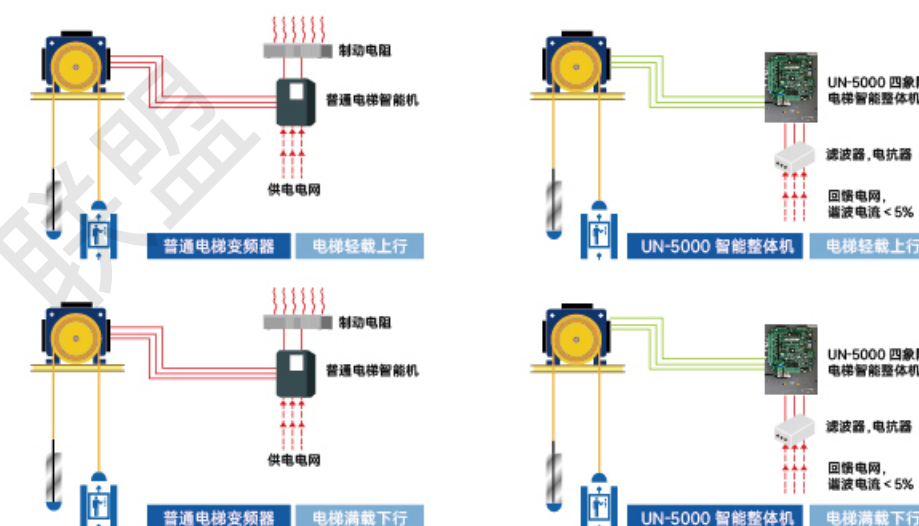
左图为普通变频器控制柜,右图为四象限驱动变频器控制柜。使用联盟电梯四象限控制柜后,无需制动电阻散热,杜绝因制动电阻散热而对电子元器件造成损伤。杜绝机房过热等问题。

Advantages of the control cabinet of four-quadrant drive inverters

The left image is a common control cabinet of frequency converters, and the right image is a control cabinet of four-quadrant drive converters. When using the four-quadrant control cabinet of UNITED Elevator, brake resistance is not needed to dissipate the heat and eliminate the damage caused by heat dissipation through braking resistor to the electronic components.

能量回馈对比示意图

Energy feedback comparison diagram



Solutions To Elevator Safety

电梯安全革新解决方案 轿厢绝对值信息系统

联盟电梯轿厢绝对值信息系统采用先进的磁栅尺技术以高精度测量电梯轿厢在井道中的位置,使电梯精准到达指定楼层。当电梯发生超速或其他故障时,会立即断开安全回路或出发电子安全开关,保证运行安全。无论是高速电梯还是标准型电梯,新安装电梯还是旧梯加装均可广泛适用。

It adopts advanced magnetic scale technology to measure the position of the elevator car in the shaft with high precision for the car lift of UNITED elevator so that the elevator is able to reach the designated floor accurately. When overspeed or other faults occurs, it will disconnect the safety circuit or trigger the electronic safety switch at once to ensure safe operation, which is widely applicable to high-speed elevators, standard elevators, newly installed elevators and old elevators.

毫米级精准测量

轿厢位置实时监测精度可达 0.1mm。

Accurate measurement to the millimeter

The real-time monitoring accuracy of the car position is able to reach 0.1mm.

永不错层

智慧梯控断电后无需返回基站矫正,也能精准提供轿厢的井道位置。

Never staggered floor

Smart elevator control allows providing accurate shaft position of the car lift without returning to the base station for correction after power failure, and it can also accurately provide the shaft position of the car lift.

快捷安装

快速简单安装,比传统节省50%以上。

Fast installation

It's installation is quick and simple, and it saves 50% installation time than traditional one.



0.1mm

精准监测

节能部件

在拥有全面安全功能的同时,极大节省了部件安装,如传统的极限开关、光电ETSL系统、平层开关。

Energy-saving parts

It greatly saves time to install the parts while taking account comprehensive safety, such as traditional limit switch, photoelectric ETSL system and leveling switch.

3大节能部件

拥有全面安全功能



智慧梯控断电后无需回
基站矫正

50%+

快捷安装节省50%以上





Small Machine Room Passenger Elevator

小机房乘客电梯

“天衣无缝”，完美空间对接

为节省建筑空间，拓展建筑物更大空间利用率，使楼宇更优雅美观，联盟小机房乘客电梯，采用紧凑密集型永磁同步无齿轮曳引机和特殊设计的控制柜，使机房面积达到与井道面积完全相同。

Seamless, perfect space docking

In order to save the building space, extend the larger space utilization rate of the construction, the more graceful and attractive building, UNITED small machine room passenger elevator applies the compact and concentrative permanent magnet synchronous and gearless traction machine and specially-designed control cabinet. Therefore machine room has same area as that of the well.



Machine Roomless Passenger Elevator

无机房乘客电梯

无拘无束，创造机遇

联盟无机房乘客电梯，无需机房，将主机、控制柜安装于井道内特定的位置，使机房与井道融为一体，实现更有效的空间利用。其革命性的电梯理念，更节能降耗，提高设计自由度，充分体现绿色人文，带给您独一无二的舒适乘坐体验。

Unconstraint, to create opportunity

UNITED machine roomless passenger elevator requires no machine room. It installs the host and control cabinet in a specific position of the well, hence it combines machine room and the well into one. It more effectively utilizes the space. The revolutionary elevator concept is more energy-saving and loss-reducing. It increases the design freedom, gives a full play of green humane properties and provides you with the unique and comfortable travel experience.

绿色环保的曳引系统

永磁同步无齿轮曳引机以及矢量控制驱动系统和能源再生功能的配合可实现整体能效的提高，同时又降低机械损耗和电气损耗。

Green environmental protection traction system

A perfect match of permanent magnet synchronous and gearless traction machine, vector-controlled drive system and energy regenerating function can fulfill the highest overall energy efficiency. Meanwhile it reduces the mechanical and electrical loss to the lowest extent.



Car Decoration

轿厢装潢

UN-K001

轿厢标配 (Car standard)

吊顶: 镜面不锈钢框架, 灯带, LED照明

轿壁: 发纹不锈钢, 后壁镜面不锈钢

轿门: 发纹不锈钢

地板: PVC地板

操作盘: UN-C01嵌入式操作盘面镜面板不锈钢(7寸液晶显示)

Ceiling: Mirror stainless steel frame, lamp with, LED lighting

Car wall: Hairline stainless steel, rear wall mirror stainless steel

Car door: Hairline stainless steel

Floor: PVC floor

COP: UN-C01 Embedded operation panel mirror stainless steel panel (7-inch LCD display)



扫描二维码, 360 度了解轿厢
Scan the QR code to know more about the lift car in the 360-degrees manner



UN-K005

轿厢选配 (Car optional)

吊顶: 铝合金边框, 亚克力透光板

轿壁: 木纹钢板, 发纹不锈钢

地板: 岩板

Ceiling: Aluminum alloy frame, acrylic light-emitting panel

Car wall: Wood grain steel plate, hairline stainless steel

Floor: Slate



扫描二维码, 360 度了解轿厢
Scan the QR code to know more about the lift car in the 360-degrees manner



UN-K006

轿厢选配 (Car optional)

吊顶: 黑钛镜面不锈钢, 亚克力透光板, LED灯

轿壁: 黑钛镜面蚀刻不锈钢, 乱纹不锈钢

扶手: 黑钛不锈钢圆扶手

地板: 大理石/PVC

Ceiling: Black titanium gold mirror stainless steel, acrylic light-emitting panel, LED light

Car wall: Black titanium gold mirror etched stainless steel, random stainless steel

Handrail: Black titanium gold stainless steel round handrail

Floor: Marble/PVC



扫描二维码, 360 度了解轿厢
Scan the QR code to know more about the lift car in the 360-degrees manner



UN-K007

轿厢选配 (Car optional)

吊顶: 钛金镜面不锈钢, 中间有机灯饰, LED灯

轿壁: 钛金发纹不锈钢, 钛金镜面蚀刻

地板: 大理石/PVC

Ceiling: Titanium gold mirror stainless steel, middle organic lighting, LED lights

Car wall: Titanium gold hairline stainless steel, titanium gold mirror etched

Floor: Marble/PVC



扫描二维码, 360 度了解轿厢
Scan the QR code to know more about the lift car in the 360-degrees manner



注: 图片系电脑绘制, 可能与实际略有不同。

Note: There may be a slight difference between the picture made by computers and the actual one.

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玻璃钢结构外罩

采用高精度玻璃钢材料,令电梯外型美观,与建筑及周围环境融为一体,展现出空间的紧凑和整体风格的通透。

Outer hood of FRP structure

It applies high precision glass fiber reinforced plastic materials to bring about the attractive elevator outline. It perfectly combines with the building and surrounding environments. It displays the compact space, transparent overall style.

多角度梯外景观

凭借平稳舒适的乘坐感觉和多种角度的梯外景观,为用户带来新奇的观景享受。

Multi-angle scene outside the elevator

It is backed by smooth and comfortable travel, multi-angle scene outside the elevator. It provides the users with the novel style sight-seeing enjoyments.

平稳舒适体验

采用了变频变压VVVF控制方式,与32位CPU微处理器完美结合,在适当频率下达到平滑的速度特性曲线,从而实现电梯运行的舒适,同时还具有高节能性。

Smooth and comfortable experience

it applies variable frequency variable voltage VVVF control mode. It perfectly combines with 32-digit CPU micro-processor. With proper frequency, it fulfills the smooth speed characteristic curve. it thus attains the comfortable elevator travel. It also highly saves the energy.



Panorama Elevator

观光电梯

乘者赏景,建筑承载梦想

联盟观光电梯采用先进的VVVF调频调压调速装置、无齿轮转动方式和防震技术,按照人体生理需求,设计出最佳运行曲线,让联盟观光电梯在启动、加速、减速、停靠过程中保持舒适和平稳的乘坐享受和视觉美感,将电梯品质提高到新的水平。联盟观光电梯有着精致的视觉美感和完美的乘坐舒适感,带给您平稳舒适的乘坐体验,让您在短暂的旅程中获得愉悦的享受。

Let's the passengers appreciate the beautiful scenes The constructions bear the dreams

UNITED Panorama Elevator applies the advanced VVF frequency modulation, voltage regulation and speed governor device, gearless drive mode, shock-proof technology. It designs the best running curve according to human physiological requirements, keeps the smooth & comfortable travel enjoyment and visual aesthetics in the lift starting, accelerating, decelerating and parking process, lifts up the elevator quality to a new and higher level.

UNITED Panorama Elevator has fine and exquisite visual aesthetics, the smooth, perfect and comfortable travel. You will be very pleasant in this short journey.

多种轿厢形式供你选择,满足你不同需求

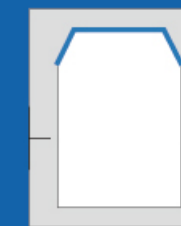
Various types of cars are available for your choice and can meet different needs



半圆型
Semi-circular shaped



正方形
Square shaped



切角型
Cutting-angle-type



展望型
Future prospects

图中蓝色线条为透明玻璃。
The blue lines in the picture are transparent glass.

Car Decoration

轿厢装潢

注:图片系电脑绘制, 可能与实际略有不同。
Note: There may be a slight difference between the picture made by computers and the actual one.



UN-O001 >
半圆形轿厢标配
(Hemicycle car standard)

- 上下罩: 发纹不锈钢,装饰条
吊 顶: 镜面不锈钢,亚克力,LED灯
观光壁: 安全夹胶玻璃
轿 壁: 发纹不锈钢
扶 手: 不锈钢圆管
地 板: PVC地板
- Upper and lower hood: Hairline stainless steel, trim strip
Ceiling: Mirror stainless steel, acrylic, LED lights
Panoramic wall: Safe laminated glass
Car wall: Hairline stainless steel
Handrail: Stainless steel round tube
Floor: PVC floor



UN-O003 <
菱形轿厢选配(Diamond car optional)

- 上下罩: 钢板烤漆,装饰灯
吊 顶: 烤漆框架,亚克力,LED筒灯
观光壁: 发纹不锈钢,安全夹胶玻璃
轿 壁: 发纹不锈钢
扶 手: 不锈钢圆管
地 板: PVC拼花地板
- Upper and lower hood: Steel plate baked enamel, decoration light
Ceiling: Baked enamel frame, acrylic, LED tube light
Panoramic wall: Hairline stainless steel, safety laminated glass
Car wall: Hairline stainless steel
Handrail: Stainless steel round tube
Floor: PVC parquet floor

UN-O004 >
方形轿厢选配(Square car optional)

- 上下罩: 喷涂钢板,灯饰
吊 顶: 镜面不锈钢, 亚克力,LED灯
观光壁: 安全夹胶玻璃
轿 壁: 发纹不锈钢
扶 手: 不锈钢圆管
地 板: PVC地板
- Upper and lower hood: Sprayed steel, lighting
Ceiling: Mirror stainless steel, acrylic, LED lights
Panoramic wall: Safe laminated glass
Car wall: Hairline stainless steel
Handrail: Stainless steel round tube
Floor: PVC floor



Hospital Elevator

医用电梯

安全可靠 细致入微

坚持以人为本的设计理念, 专为医院等特殊环境而研发的联盟医用电梯, 从空间、材质、动力等多个角度, 全新定义医用电梯, 为病人提供可靠安全的乘用空间。

Is safe, reliable and considerate

Insist in design idea of people orientation, UNITED hospital elevator developed and researched specially for special situation like hospital, defining hospital elevator from multiple perspectives of space, texture, and power and so on, safe and reliable space for patients.

UN-H001

轿厢标配(Car standard)

吊顶: 发纹不锈钢, LED照明, 筒灯
轿壁: 发纹不锈钢
扶手: 扁形不锈钢
地板: PVC地板

Ceiling: Hairline stainless steel, LED lighting, down lamp
Car wall: Hairline stainless steel
Handrail: Flat stainless steel
Floor: PVC floor

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Stretcher Elevator

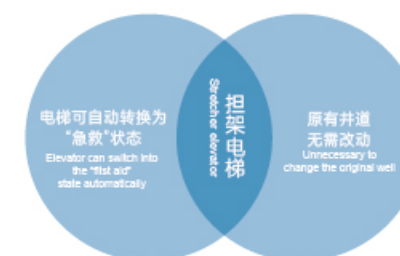
担架电梯

担当重任

联盟电梯专为高层住宅, 设计出可容纳担架的电梯产品。联盟担架电梯产品, 集先进技术于一体, 具有轿厢宽敞、运行平稳、设计合理、安装方便等优势, 将在高层住宅中发挥出关键性的作用。

Undertaking important task

UNITED Elevator is specialized to design elevator products which can contain stretcher for high-rise building. UNITED Stretcher Elevator products integrates with advanced technology with advantages such as spacious lift car, stable operation, reasonable design, and convenient installation and so on, which will play essential role in high-rise building.



UN-S001

轿厢标配(Car standard)

吊顶: 发纹不锈钢, 节能灯
轿壁/轿门: 发纹不锈钢
前壁板: 发纹不锈钢
踢脚板: 不锈钢或喷涂钢板
地板: PVC地板

Ceiling: Hairline stainless steel, energy-saving lamp
Car wall/car door: Hairline stainless steel
Front wall panel: Hairline stainless steel
Skirtboard: Stainless steel or paint steel
Floor: PVC



Elevator Decorate

电梯装潢

操纵箱与召唤盒 / Operation Panel and Calling Board



UN-C01-1

UN-C01

UN-C006

UN-C009

UN-W01

UN-W010

UN-W011

UN-W012

UN-W013

UN-W014

厅门 / Landing door



发纹不锈钢
Hairline stainless steel



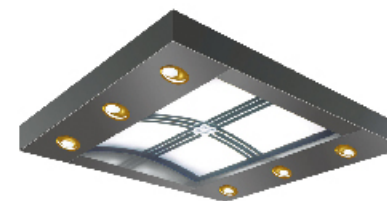
喷涂钢板(浅灰)
Painted steel sheets
(Light gray)



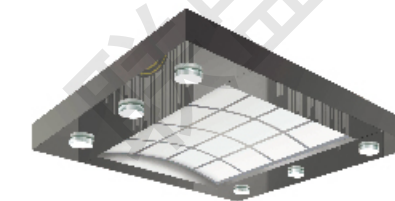
镜面蚀刻不锈钢
Mirror-etched stainless steel

注:图片系电脑绘制, 可能与实际略有不同。
Note: There may be a slight difference between the picture made by computers and the actual one.

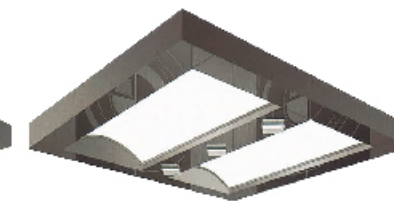
吊顶系列 / Ceiling Series



UN-D01



UN-D02



UN-D03

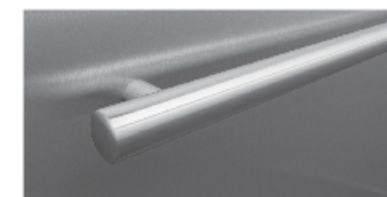


UN-D04

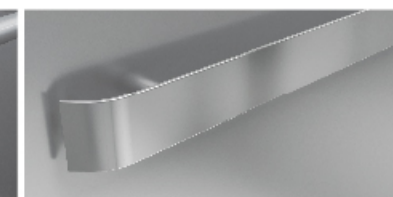


UN-D07

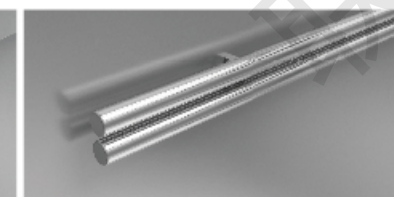
扶手 / Handrail



UN-F01



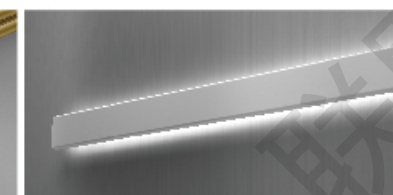
UN-F02



UN-F03



UN-F04



UN-F05

地板系列 / Floor Series



UN-FL005



UN-FL006



UN-FL007



UN-FL009



UN-FL010



UN-FL011



UN-FL012



UN-FL013

注:图片系电脑绘制, 可能与实际略有不同。
Note: There may be a slight difference between the picture made by computers and the actual one.

Perfect Function

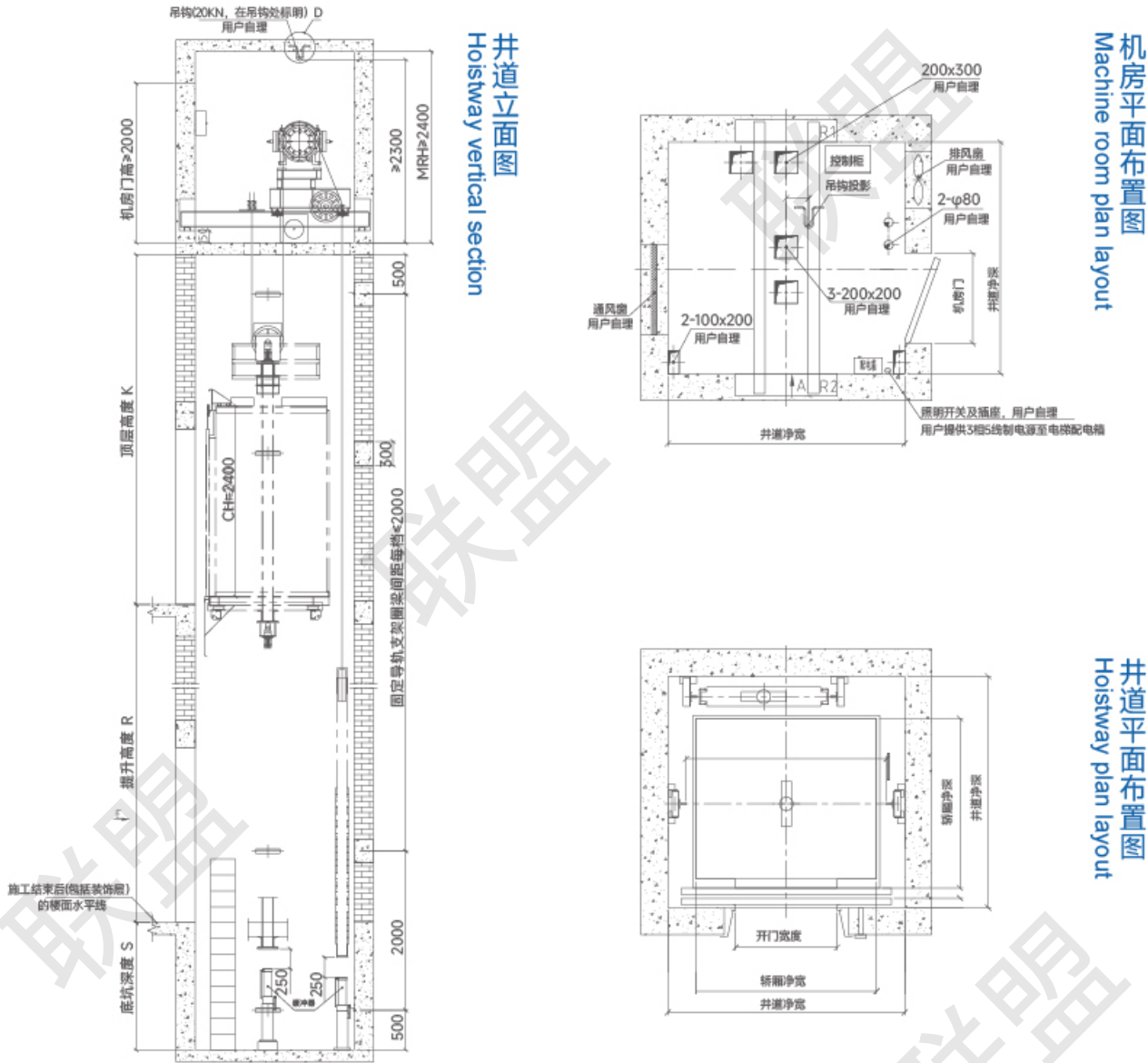
完美功能

● 选配
Optional ○

功能 Function	说明 Description	备注 Remarks
电梯变频驱动 VVVF drive	精确调整电动机转速,令电梯起动、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 more gentle and sensitive door machine start / stop.	●
独立运行 Independent running	通过动作开关,使电梯不响应外召,仅响应轿内指令。 The elevator can not respond to outer calling, but only respond to the command inside the car through operating the switch.	●
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 wil automatically pass the hall call level.	●
开门时间自动调整 Automatically adjust door opening time	按照层站召唤或轿厢召唤的区别,自动调整保持开门时间。 Door-open time can be automatically adjusted according to the difference between landing calling or car calling, in order to keep maximum travel efficiency.	●
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, press 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.	●
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 that the passengers arrive.	●
指令登记删除 Command register cancel	如按错了轿内楼层指令按钮,只要把同一按钮连按两次,就可取消已登记指令。 if you press the wrong floor command button in the car, twice continuous pressing of the same button can cancel the registered command.	●
防捣乱 Anti-nuisance	当电梯轻载时出现超过三个指令时,为避免不必要停靠,轿厢内已登记的召唤将全部自动消除。 In the light elevator load, when three more commands appear, in order to avoid the unnecessary parking, all the registered callings in the car will be cancelled.	●
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。 it completely accords with distance principle with no crawling in the leveling. It greatly enhances the travel efficiency.	●
并联功能 Parallel control	用于两台同型号电梯,通过电脑的调度来统一响应召唤信号,以最大限度地减小乘客的候梯时间,以提高运行效率。 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.	●
光幕保护 Infrared ray curtain	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, infrared light that covers the whole door height is used to probe the door protection device of 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 wil close the door and travel to the next designated 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 stops the elevator in the same floor.	●
防止失速内部计数器保护 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 desianated time after 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 Fault self-diagnosis	控制器可记录最新的62个故障,以便快速排除故障,迅速恢复电梯运行。 The controller can record 62 latest troubles so as to quickly remove the trouble and restore the elevator operation.	●
电梯门重复开关 Repeated door closing	有时因阻碍或干扰,电梯门未能关闭,电梯门会重复打开或关闭,直到杂物被清除。 if the elevator can not close the door due to certain obstacle or interference, the elevator will reopen or re-shut the door until sundries are eliminated.	●
上下越层及上下极限保护装置 Up/down over-run and final limit protection	该装置可有效地防止当电梯万一发生失控时的冲顶或撞底现象,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. It results in more safe and reliable elevator travel.	●
下行超速保护装置 Down over-speed protection device	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 wil automatically cut off control mains, stop the motor running so as to stop 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.	●

功能 Function	说明 Description	备注 Remarks
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速度的 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.	●
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 inside car	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.	●
五地通话装置 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 above car operation panel is continuously pressed, electric bell rings on top of the car.	●
消防返回 Fire emergency return	启动基站或监控屏上的钥匙开关,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 key switch in main landing or monitor screen, all the calings 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	在规定的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.	●
远程关闭 Remote shut-off	通过钥匙开关,电梯可以被召唤到基站(服务完成后),并自动退出服务。 The elevator can be called to main landing (after finishing the service) through the key switch and automatically exists the service.	●
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.	○
提前开门 Open the door in advance	电梯减速进入开门区域,自动开门,提高运行效率。 When the elevator decelerates and enters into door open zone, it automatically opens the door to enhance the travel 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,使梯群能自己选择最合适的应答,避免电梯重复停梯,缩短乘客候梯时间,提高运行效率。 When three or more same model elevator groups are controlled in use, the elevator group can automatically choose the most appropriate response. It avoids the repeated elevator parking, reduces the passengers' waiting time and increases the travel efficiency.	○
上班高峰服务 On-duty peak service	在预定上班时间内,基站向上的运输特别繁忙时,向基站不断派梯以满足上班时高峰需要。 Within the preset on-duty time, upward transport from the home landing is extremely busy. The elevators are continuously dispatched to the home landing in order to satisfy on-duty peak service.	○
下班高峰服务 Off-duty peak service	在预定下班时间内,向顶层派梯满足下班时高峰需要。 Within the preset off-duty period, the elevators are continuously dispatched to top floor in order to satisfy of-duty peak service.	○
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.	○
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 used in the large loading weight elevators or the elevators with crowded passengers so that more and more passengers can use the car.	○
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.	○
远程控制 Remote control	通过操作监控屏(可选择),可使电梯按指定的需要作独立运行。 The elevator can have independent travel according to the specific requirements through operation monitor screen (optional).	○
远程监控 Remote monitor	3G无线网络,可实现电梯的远程监视和控制,便于厂家和服务单位及时的了解每台电梯的运行状况,以便及时作出相应措施。 3G Wireless Network, the elevator long-distance monitor and control can be fulfilled through modem and telephone. It is convenient for the factories and service units to timely know the travel conditions of every elevator and promptly take the corresponding measures	○
轿内摄像功能 Camera function in the car	摄像头装于轿厢内监视轿内情况。 The camera is installed in the car to monitor the car conditions.	○
发电功能 Electricity generating function	轿厢轻载上行和重载下行过程中发电供周边用电设备使用。 The lift car goes upward with light load and goes down with heavy load, in which electricity generates to supply to the surrounding power equipment.	○

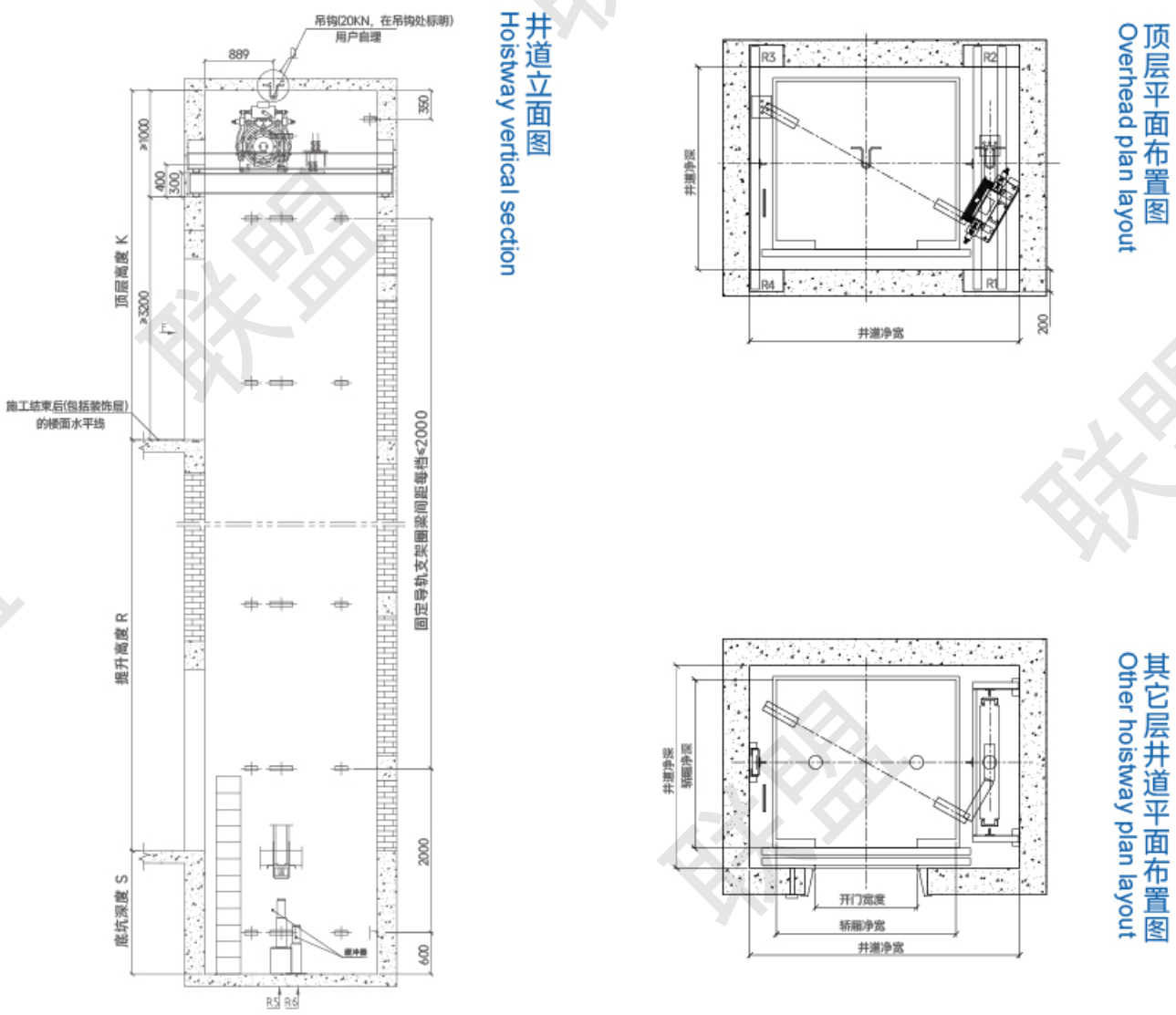
Small Room Passenger Elevator
Construction Paramaters
小机房乘客电梯土建参数



电梯型号 Elevator model	额定载重 Rated Load (kg)	速度 Speed (m/s)	轿厢尺寸 (宽*深*高) Car size(mm)	井道尺寸 (宽*深) Hoistway size (mm)	机房尺寸 (宽*深) Machina room size(mm)	开门方式及规格 Door opening pattern and specification(mm)	底坑深度 Pit deeth (mm)	顶层高度 Overhead height(mm)	主机功率 Power of main engine	备注 Notes
UN-PS	630	1.0	1300*1300*2400	1800*1850	1800*1850	中分800*2100	1500	4500	4.2	
	630	1.0	1300*1400*2400	2050*1800	2050*1800	中分800*2100	1500	4500	4.2	贯通
	800	1.0	1400*1400*2400	2000*1950	2000*1950	中分800*2100	1500	4500	5.5	
	800	1.0	1400*1400*2400	2250*1800	2250*1800	中分800*2100	1500	4500	5.5	贯通
	1000	1.0	1600*1500*2400	2100*2050	2100*2050	中分900*2100	1500	4500	6.7	
	1000	1.0	1500*1600*2400	2350*2000	2350*2000	中分900*2100	1500	4500	6.7	贯通
	1150	1.0	1500*1800*2400	2300*2100	2300*2100	中分900*2100	1500	4500	7.2	
	1150	1.0	1500*1800*2400	2300*2200	2300*2200	中分900*2100	1500	4500	7.2	贯通
	1250	1.0	1700*1700*2400	2300*2300	2300*2300	中分1000*2100	1500	4500	8.5	
	1250	1.0	1700*1700*2400	2650*2100	2650*2100	中分1000*2100	1500	4500	8.5	贯通
	1600	1.0	1900*1800*2400	2650*2400	2650*2400	中分1200*2100	1500	4500	10.6	
	1600	1.0	1900*1800*2400	2900*2200	2900*2200	中分1200*2100	1500	4500	10.6	贯通
	2000	1.0	2000*2000*2400	2700*2600	2700*2600	中分1200*2100	1500	4500	13.9	
	2000	1.0	2000*2000*2400	3000*2400	3000*2400	中分1200*2100	1500	4500	13.9	贯通

注:以上尺寸仅供设计参考, 具体尺寸以合同签约时提供的土建图为准。
Note: Onlyfor reference, final manufacture please follow cintract.

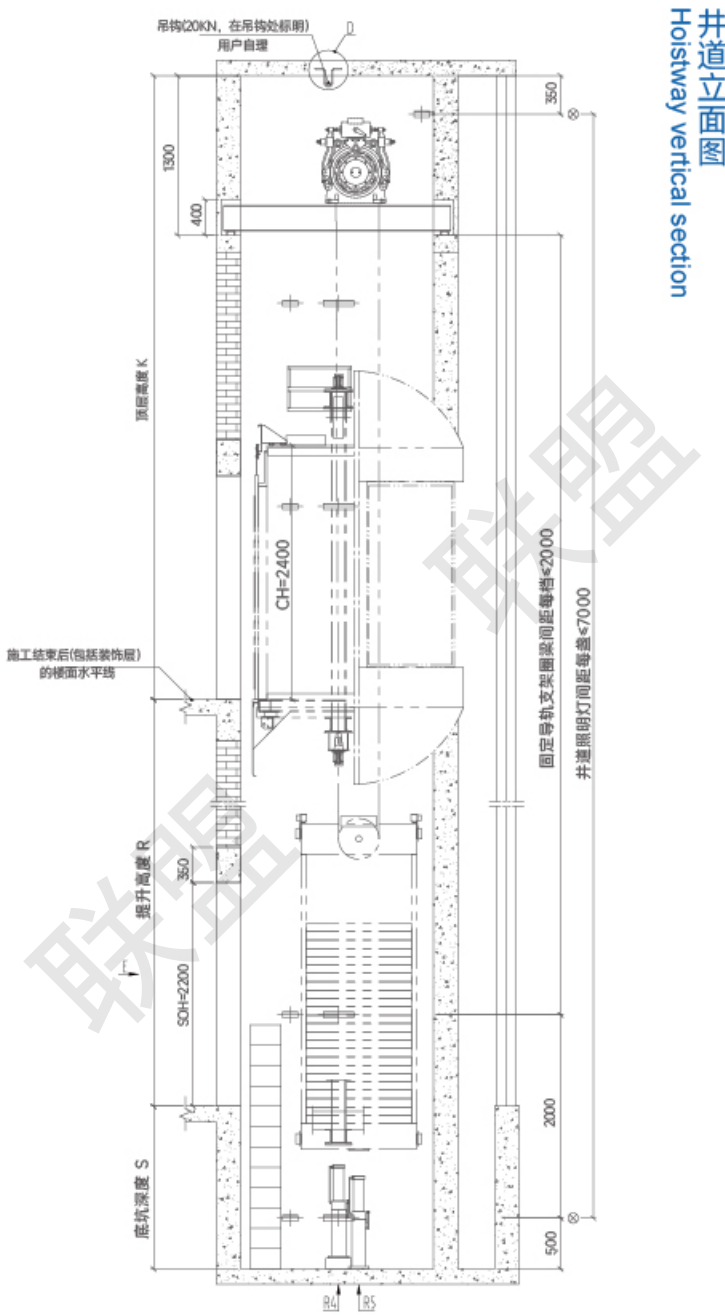
Machine Roomless Passenger Elevator
Construction Paramaters
无机房乘客电梯土建参数(对重侧置)



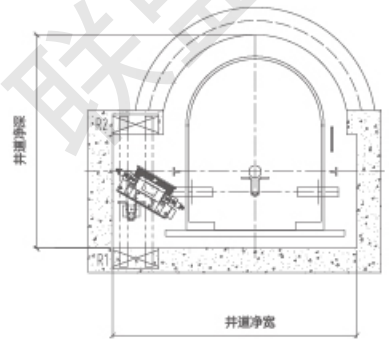
电梯型号 Elevator model	额定载重 Rated Load (kg)	速度 Speed (m/s)	轿厢尺寸 (宽*深*高) Car size(mm)	井道尺寸 (宽*深) Hoistway size (mm)	开门方式及规格 Door opening pattern and specification(mm)	底坑深度 Pit deeth (mm)	顶层高度 Overhead height(mm)	主机功率 Power of main engine	备注 Notes
UN-PN	630	1.0	1300*1300*2400	2100*1600	中分800*2100	1500	4200	4.2	
	630	1.0	2300*1400*2400	2100*1700	中分800*2100	1500	4200	4.2	贯通
	800	1.0	1400*1400*2400	2200*1800	中分800*2100	1500	4200	5.5	
	800	1.0	1400*1400*2400	2200*1800	中分800*2100	1500	4200	5.5	贯通
	1000	1.0	1600*1500*2400	2400*1800	中分900*2100	1500	4200	6.7	
	1000	1.0	1500*1600*2400	2300*2000	中分900*2100	1500	4200	6.7	贯通
	1150	1.0	1500*1800*2400	2300*2100	中分900*2100	1500	4200	7.2	
	1150	1.0	1500*1800*2400	2300*2100	中分900*2100	1500	4200	7.2	贯通
	1250	1.0	1700*1700*2400	2600*2000	中分900*2100	1600	4300	8.5	
	1250	1.0	1700*1700*2400	2600*2000	中分900*2100	1600	4300	8.5	贯通
	1600	1.0	1900*1800*2400	2800*2100	中分1100*2100	1500	4300	11	
	1600	1.0	1900*1800*2400	2800*2200	中分1100*2100	1500	4300	11	贯通
	2000	1.0	2000*2000*2400	2850*2300	中分1200*2100	1400	4300	13.9	
	2000	1.0	2000*2000*2400	2850*2400	中分1200*2100	1400	4300	13.9	贯通

注:以上尺寸仅供设计参考, 具体尺寸以合同签约时提供的土建图为准。
Note: Onlyfor reference, final manufacture please follow cintract.

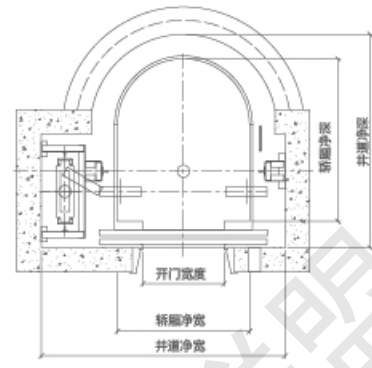
Machine Room Round Panorama Elevator
Construction Paramaters
有机房圆形观光电梯土建参数



井道立面图
Hoistway vertical section



机房平面布置图
Machine room plan layout

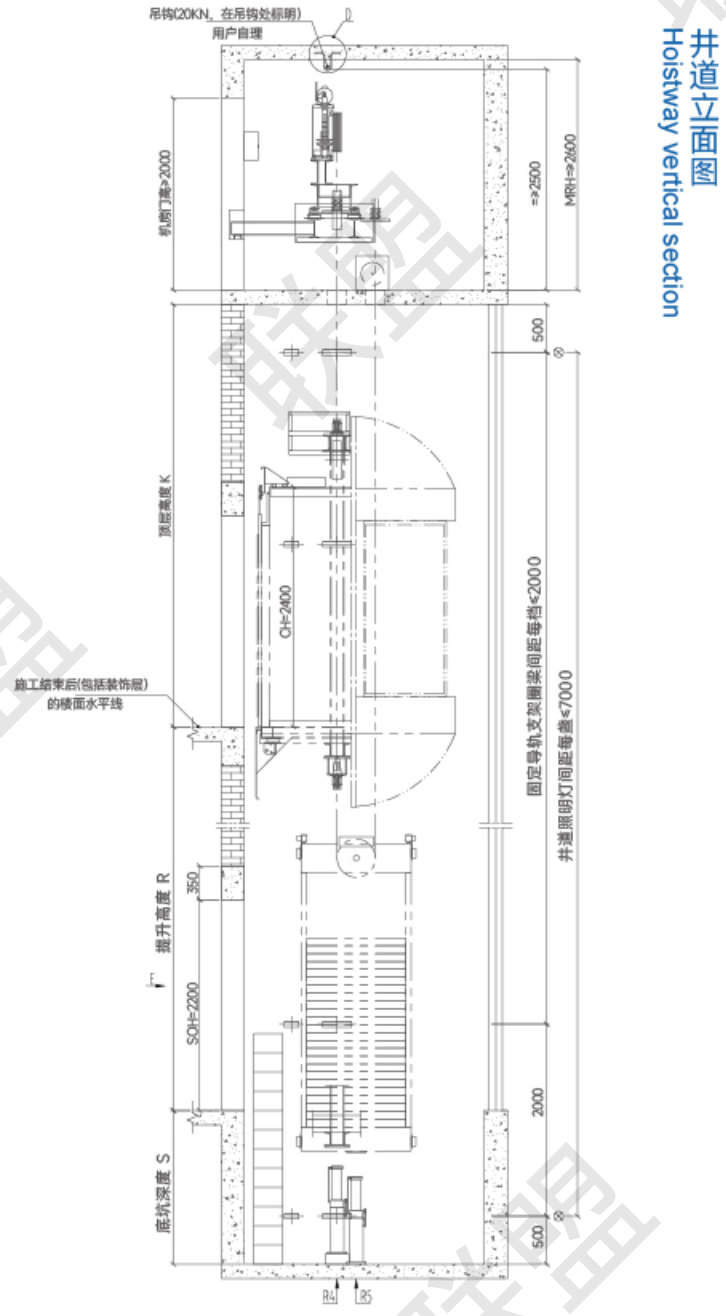


井道平面布置图
Hoistway plan layout

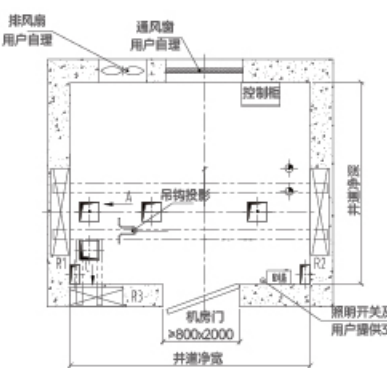
电梯型号 Elevator model	额定载重 Rated Load (kg)	速度 Speed (m/s)	轿厢尺寸 Car size (mm)	井道尺寸 Hoistway size (mm)	机房尺寸 Machina room size(mm)	开门方式及规格 Door opening pattern and specification(mm)	底坑深度 Pit deeth (mm)	顶层高度 Overhead height(mm)	主机功率 Power of main engine
UN-OS	630	1.0-2.0	1200*1500	2400*2000	2400*2000	中分800*2100	1500-1800	4500-4700	4.2-8.4
	800	1.0-2.0	1300*1600	2500*2100	2500*2100	中分800*2100	1500-1800	4500-4700	5.5-8.1-9.4-11.1
	1000	1.0-2.0	1400*1700	2600*2200	2600*2200	中分900*2100	1500-1800	4500-4700	6.7-10.0-11.7-13.3
	1250	1.0-2.0	1500*1850	2700*2350	2700*2350	中分1000*2100	1500-1800	4500-4700	8.5-12.7-14.9-17
	1600	1.0-2.0	1700*2000	2900*2500	2900*2500	中分1100*2100	1500-1800	4500-4800	10.6-21.3

注:以上尺寸仅供设计参考, 具体尺寸以合同签约时提供的土建图为准。
Note: Onlyfor reference, final manufacture please follow cintract.

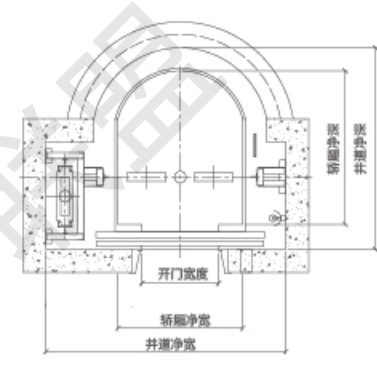
Machine Roomless Round Panorama Elevator
Construction Paramaters
无机房圆形观光电梯土建参数



井道立面图
Hoistway vertical section



机房平面布置图
Machine room plan layout

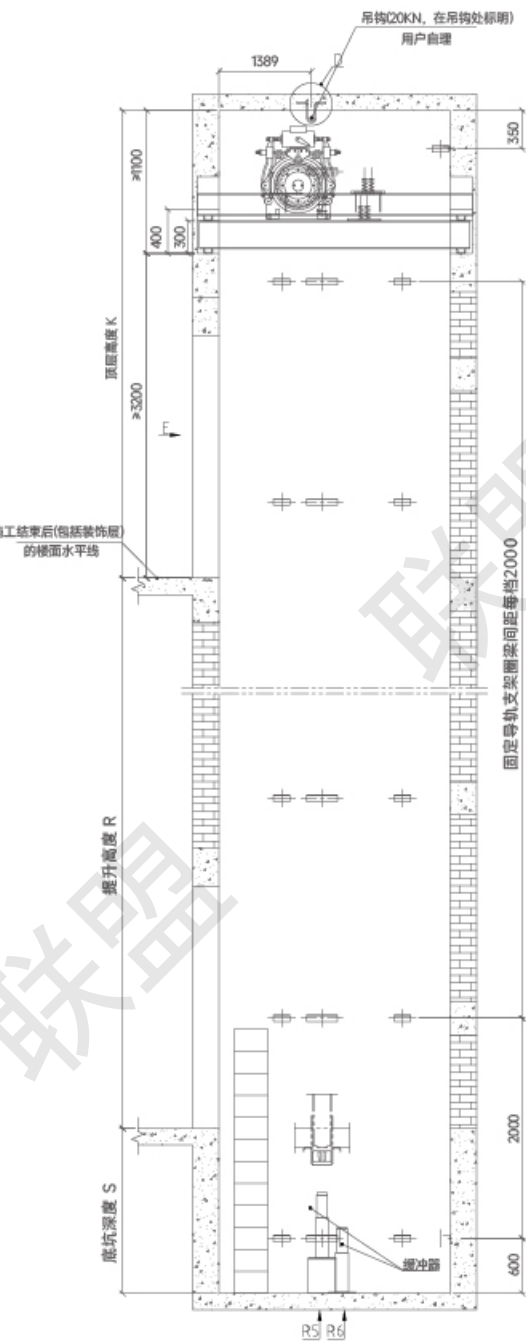


井道平面布置图
Hoistway plan layout

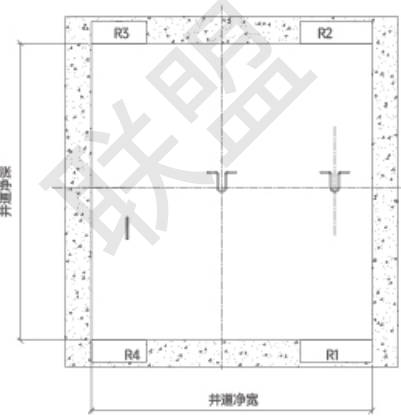
电梯型号 Elevator model	额定载重 Rated Load (kg)	速度 Speed (m/s)	轿厢尺寸 Car size (mm)	井道尺寸 Hoistway size (mm)	开门方式及规格 Door opening pattern and specification(mm)	底坑深度 Pit deeth (mm)	顶层高度 Overhead height(mm)	主机功率 Power of main engine
UN-ON	630	1.0-2.0	1200*1500	2400*2000	中分800*2100	1500-1600	4500-4700	4.2-8.4
	800	1.0-2.0	1300*1600	2500*2100	中分800*2100	1500-1600	4500-4700	5.5-11.1
	1000	1.0-2.0	1400*1700	2600*2200	中分900*2100	1500-1600	4500-4700	6.7-10.0-11.7-13.3
	1250	1.0-2.0	1500*1850	2700*2350	中分900*2100	1500-1600	4500-4700	8.5-12.7-14.9-17
	1600	1.0-2.0	1700*2050	2900*2550	中分1000*2100	1500-1600	4500-4700	10.6-21.3

注:以上尺寸仅供设计参考, 具体尺寸以合同签约时提供的土建图为准。
Note: Onlyfor reference, final manufacture please follow cintract.

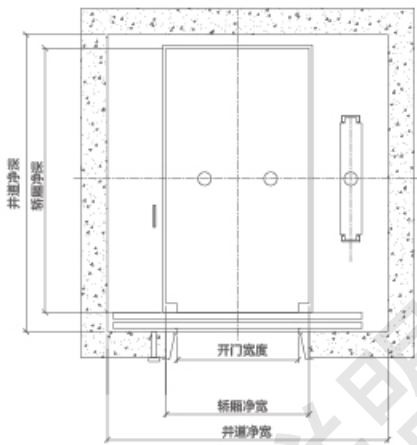
Hospital Elevator Construction Paramaters
医用电梯土建参数



井道立面图
Hoistway vertical section



机房平面布置图
Machine room plan layout

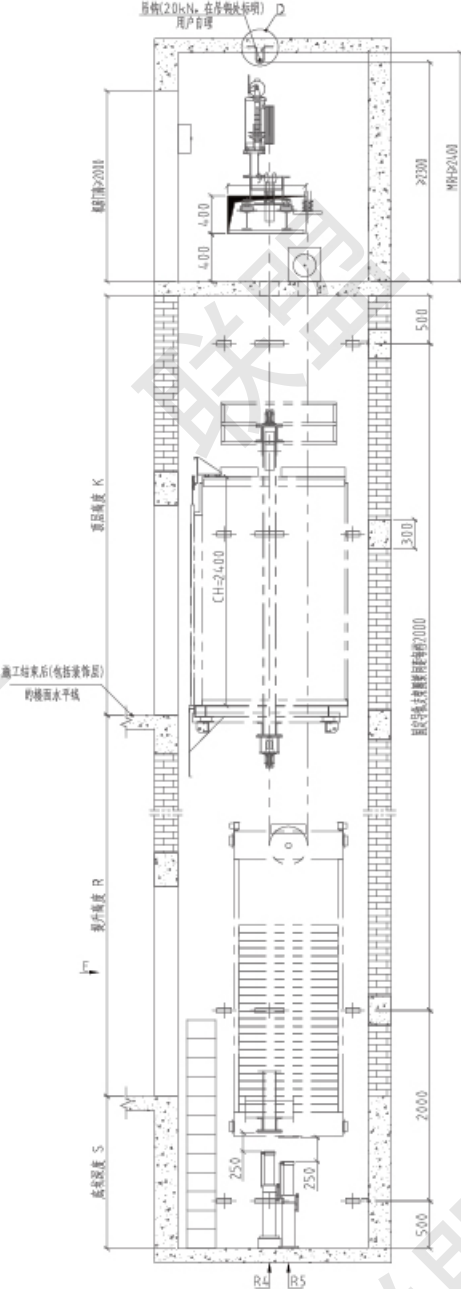


井道平面布置图
Hoistway plan layout

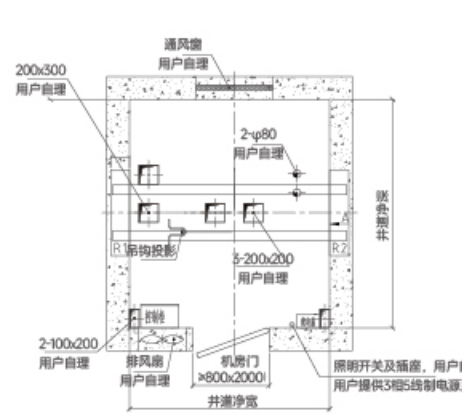
电梯型号 Elevator model	额定载重 Rated Load (kg)	速度 Speed (m/s)	轿厢尺寸 Car size (mm)	井道尺寸 Hoistway size (mm)	机房尺寸 Machina room size (mm)	开门方式及规格 Door opening pattern and specification (mm)	底坑深度 Pit deeth (mm)	顶层高度 Overhead height (mm)	主机功率 Power of main engine
UN-HS	1600	1.0-2.0	1400*2400	2200*2800	2200*2800	中分1100*2100	1500-1800	4200-4500	11-16.6-19.4-22.2
	2000	1.0-2.0	1550*2650	2550*3150	2550*3150	旁开1200*2100	1500-1800	4200-4700	13.9-20.7-24.2-27.6
UN-HN	1600	1.0-2.0	1500*2350	2650*2700	-	中分1100*2100	1500-1800	4200-4500	11-16.6-19.4-22.2
	2000	1.0-2.0	1550*2650	2550*3150	-	旁开1200*2100	1500-1800	4200-4700	13.9-20.7-24.2-27.6

注:以上尺寸仅供设计参考,具体尺寸以合同签约时提供的土建图为准。
Note: Onlyfor reference, final manufacture please follow cintract.

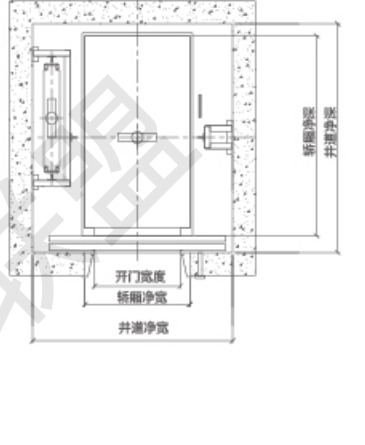
Stretcher Elevator Construction Paramaters
担架电梯土建参数



井道立面图
Hoistway vertical section



机房平面布置图
Machine room plan layout



井道平面布置图
Hoistway plan layout

额定载重 Rated Load (kg)	速度 Speed (m/s)	轿厢尺寸(宽x深) Car size (mm) (Width x Depth)	开门尺寸 Door opening size (mm)	井道尺寸(宽x深) Hoistway size (mm) (Width x Depth)	机房尺寸 Machina room size (mm)	顶层高度 Overhead height (mm)	底坑深度 Pit (mm)	主机功率 Power of main engine
800	1.0	1350*1400	800*2100	2250*2200	2250*2200	4300	1500	5.4
800	1.75	1350*1400	800*2100	2250*2200	2250*2200	4500	1600	9.4
800	2.0	1350*1400	8000*2100	2250*2200	2250*2200	4700	1700	10.8
1000	1.0	1400*1600	900*2100	2300*2400	2300*2400	4300	1500	6.7
1000	1.75	1400*1600	900*2100	2300*2400	2300*2400	4500	1600	11.7
1000	2.0	1400*1600	900*2100	2300*2400	2300*2400	4700	1700	13.4

注:以上尺寸仅供设计参考,具体尺寸以合同签约时提供的土建图为准。
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