



菱奥电梯
LIAO ELEVATOR

全国免费服务热线
National Free Service Hotline 400-856-5155

LIAO ELEVATOR



别墅电梯系列
Villa elevator series

中德合资 | 苏州菱奥电梯有限公司
SINO-GERMAN
JOINT VENTURE | SUZHOU LINGAO ELEVATOR CO., LTD.

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德国经典品质 上下舒享自如

Classic German quality
Enjoy yourself and enjoy yourself



菱奥电梯，传承德国经典品质，打造全新运载理念。
大有可观的空间享受，无处不在的科技之美，融入至臻匠心品质，
让品牌诠释对空间的解读。

Lingao elevator inherits the classic quality of Germany to create a new concept of transportation.
Worthwhile seeing space to enjoy the beauty of science and technology, everywhere, into the perfect quality of craftsmanship,
Let brand interpretation of the interpretation of the space.





企业简介 Corporate profile

菱奥电梯有限公司是一家集研发、生产、销售及工程设计安装、售后服务于一体的专业电梯制造企业。公司可以满足顾客多样化需求产品，产品覆盖：小机房乘客电梯、无机房乘客电梯、观光电梯、病床电梯、别墅电梯、载货电梯及自动扶梯、自动人行道等系列产品，公司是一个集电梯研发，制造，销售，安装维修服务于一体的专业化电梯企业。完全可以近距离提供LIAO电梯全球统一标准的产品。

菱奥企业以不懈的技术创新，诠释质量与安全的内涵，本着求实创新的精神提供优质的产品，始终坚持“”完善的服务网络，真诚的服务态度、快捷的服务流程“作为对客户永久的承诺。面向未来，我们信心满怀！LIAO品牌电梯也必将为您的建筑增光添彩！

LIAO Elevator Co., Ltd. is a professional elevator manufacturing enterprise which integrates R & D, production, sales and engineering design, installation and after-sales service. The company can meet the diverse needs of customers products, product coverage: small machine room elevator, machineromless passenger elevator, sightseeing elevator, bed elevator, villa elevator, freight elevator and escalators, automatic sidewalks and other products, the company is a set of elevator R & D, manufacturing, sales, professional elevator installation and maintenance services in the integration of enterprises the. It can provide a global standard for LIAO elevators at close range.

Lingao enterprise, with unremitting technological innovation, interprets the connotation of quality and safety, and provides quality products

in the spirit of seeking truth and innovation. It always adheres to "perfect service network, sincere service attitude and quick service process" as a permanent commitment to customers. Facing the future, we are full of confidence. LIAO brand elevator will add luster to your building!



享 -- 安全舒适

Enjoy — Safe & comfortable

品 -- 家居艺术

Appreciation — Art of household life



居 -- 智感生活

Living — Intellectual life



领 -- 环保节能

Leading — Environment protection & energy-saving



用科技装点我们的家

The perfect life using the technology to decorate our home

智能控制

采用结合当代工控技术和通讯技术的无辐射一体式控制柜，全钢板封闭式设计，屏蔽辐射，维护方便；VVVF变频控制门机系统，任意调节门机运行曲线，运行安全，质量稳定。

平缓舒适

专为老人设计了平缓运行系统，最舒适的速度运行曲线，启停平缓柔顺，更适合家庭老人使用。

Intellectual control

It applies radiation-free integrated control cabinet which combines contemporary industrial control technology with communication technology. Enclosed steel plate design shields radiation with the convenient maintenance.

Smooth and comfortable

It specially designs smooth running system for the old. The most comfortable speed running curve, smooth and soft start / stop best suit the old people to operate the elevators.

降噪减音

融合低噪音曳引机设计，轿壁三重降噪技术，运行系统减噪设计，电梯运行噪音小于43dB,不会影响到家人睡眠及休息。

灵活运用

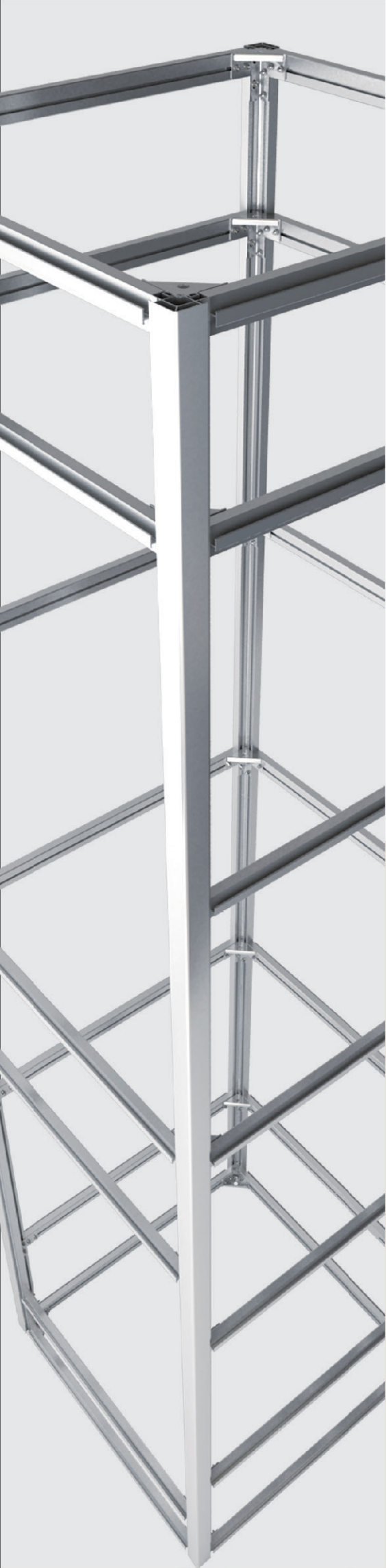
适应建筑美学设计，创意灵感新生，丰富多彩的轿厢组合满足你多元化的需求，同时节约完美空间，使建筑空间更灵活自由。

Noise-reducing

It combines with low-noise traction machine design, car wall triple noise-reducing technologies, running system noise-reducing design. Elevator running noise is less than 43dB. It does not influence sleeping and rest of you and your family.

Flexible application

It adapts to building aesthetics design with newly innovative inspirations. Rich and colorful car combination satisfies your plural requirements. Meanwhile it saves a perfect space, brings about a more free and flexible building space.



◀ 钢架型井架
Steel frame type
well-frame

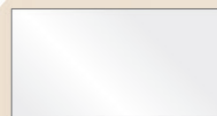
可选颜色
Color optional



铝合金本色
Natural color of aluminum alloy



香槟金
Champagne color



白色
white



▶ 铝合金井架
Aluminum alloy
well frame

多种安装方式

Multiple installation modes

1 旧楼改造(楼板开孔)

Old building transformation (floor tapping)

在楼板开出合适的孔，加装井道安装电梯。
Bore proper holes at floor, re-install well and install lift.

2 屋内没有空间在允许的情况下 屋外加装电梯

If it is allowed, re-install lift outside the building
在允许情况下，在室外加装井道安装电梯。
If it is allowed, re-install outdoor well and install lift.

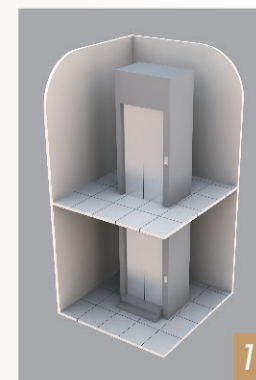
3 回字形楼梯中央天井加装

Rectangular-ambulatory-plane stairs central
courtyard re-installation

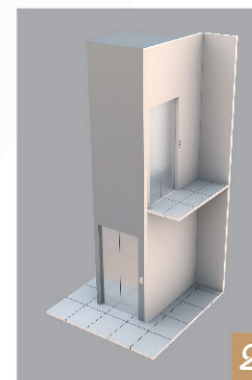
在楼梯中间加装井道安装电梯。
Re-install well and install lift in central stairs.

4 楼宇之间加装共用电梯

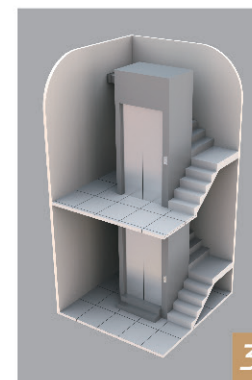
Re-install common-use lift between the buildings
两栋楼相邻的状况下，可在室外加装共用电梯。
Under the conditions of two adjacent buildings, re-install
common-use lift at outdoor space.



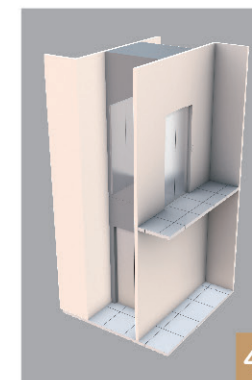
1



2



3



4

曳引式别墅电梯

Traction type villa elevator

曳引式别墅电梯的特点

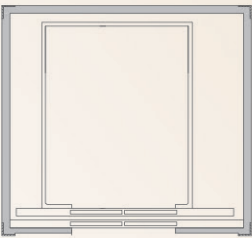
- 有机房，无机房
- 可根据房屋结构开门需求采用背包架式和龙门架式电梯结构
- VVVF驱动技术：家用电梯专用微机板控制，平稳舒适
- 专用曳引机机架：固定于导轨，建筑物可不承受力
- 主机：可采用220V~380V单相电源。普通家用电，无需另外申请工业电源
- 自动门机：变频节能，安全可靠
- UPS(后备电源)在停电时可以应急放人
- 一键拨号电话，紧急情况下，可滚动拨打家庭主要成员3-5名
- 运行时总额定功率1.5KW（其中驱动系统1.1KW）小于一台微波炉的功率，比商用小电梯省电80%
- 智能服务：可通过网络联系到主人手机，实时监控电梯运行状况

Features of the traction type villa elevator

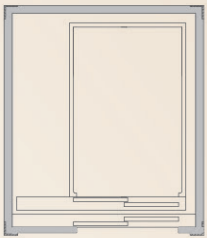
- With machine room, machine room-less.
- According to house structure door-opening requirements, backpack frame style or portal frame style elevator structure for your choice.
- VVVF drive technology: Home elevator special-purpose micro-computer panel control, smooth and comfortable.
- Special-purpose traction machine frame: It is fixed in guiderail. Building does not bear any load.
- Host: It applies 220V~380V single-phase power supply, ordinary home-use power. It needs no additional application of industrial power.
- Automatic door machine: Variable frequency energy-saving, safe and reliable.
- UPS (spare power) can emergency release passengers at power failure.
- One-key dialing telephone makes roll call to 3-5 main family members at emergency conditions.
- Total rated power 1.5KW in operation (including 1.1KW drive system). Power is less than a micro-wave oven. It saves 80% power compared with small commercial elevator.
- Intellectual service: It links with owners' mobile through network. It executes real-time monitor to elevator running conditions.



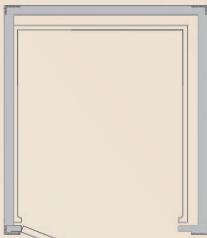
开门方式 Door opening mode



中分式
Center-opening



旁开式
Side-opening



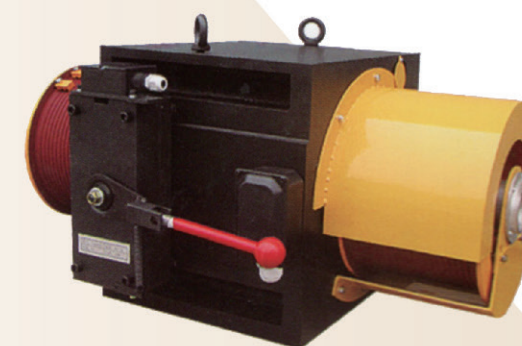
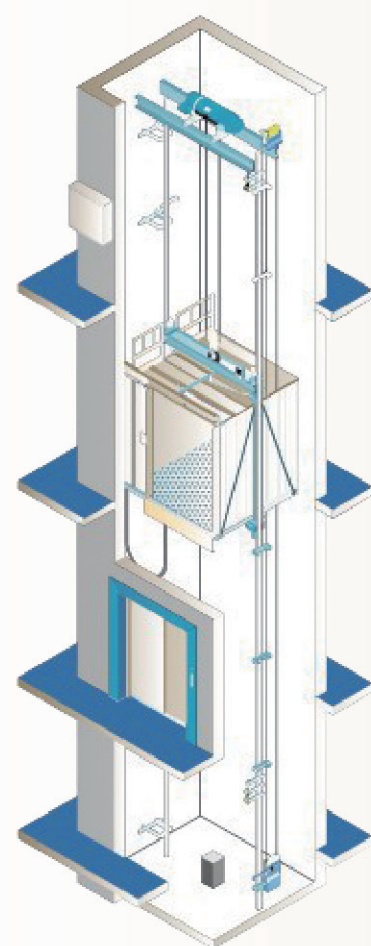
手拉门
Manually operated door

强制式别墅电梯

Forced villa elevator

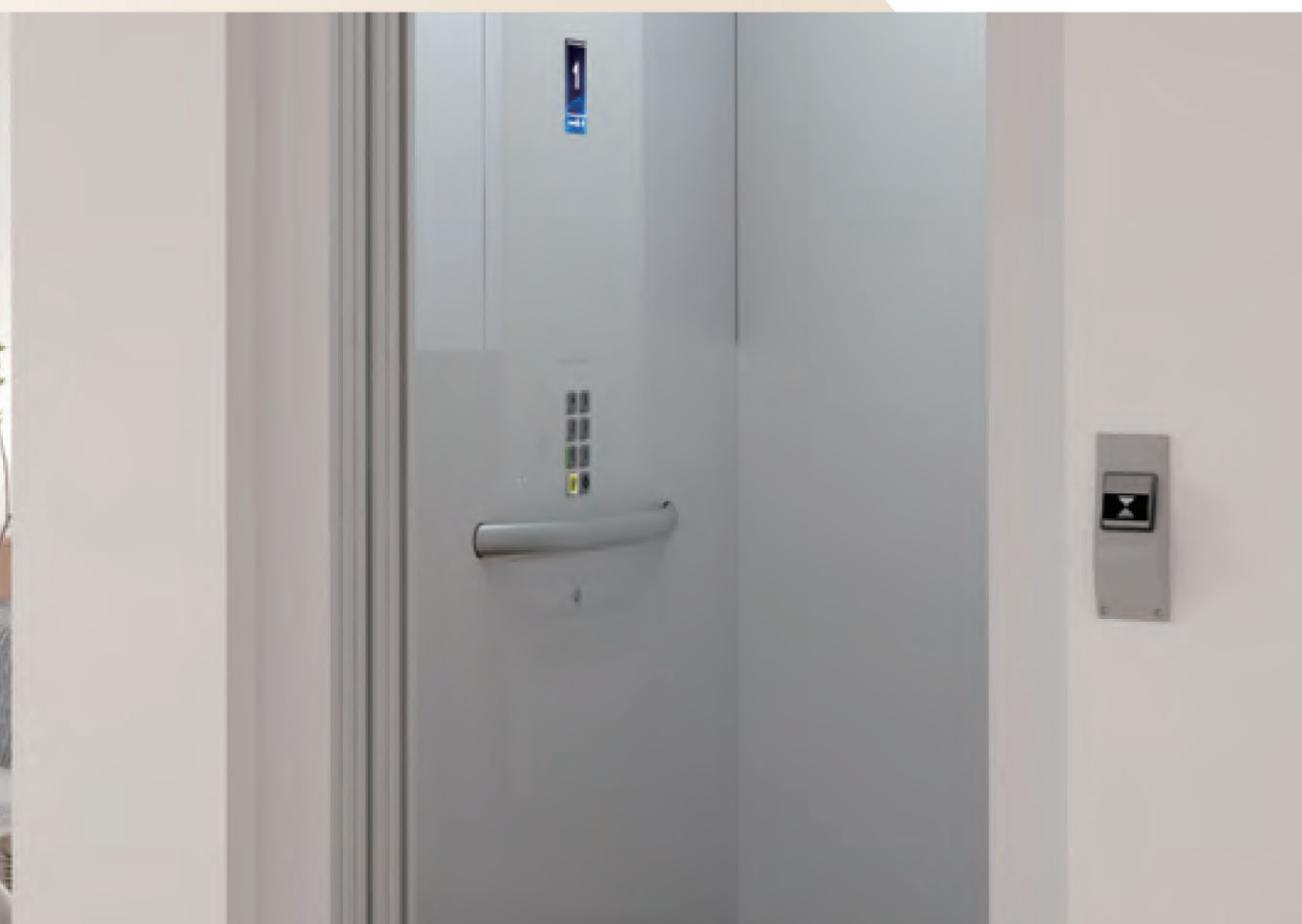
菱奥强制式别墅电梯，采用卷筒式强制驱动永磁同步无齿轮曳引机，包括永磁同步电动机、卷筒、编码器和起限制卷筒转动作用的电磁制动机，转为私人家庭用户设计，为您缔造高尚生活空间，打理休闲私人时间，其以简约明快的装潢基调，安全使用的设计理念而独树一帜，你一经选择，必将感受到实用性、艺术性、时代性融为一体的全新体验。特别适用于电梯井道小的别墅电梯。

LIAO forced villa elevators, use the roll forcible driven permanent magnet synchronous gearless machine comprising a permanent magnet synchronous motor, reel, reel encoder and the limiting effect of rotating electromagnetic brake, designed for private home users, you create the noble living space, personal care and leisure time, its brightly decorated in a minimalist tone, safe and practical, artistic, a new era of integration experience. Especially suitable for small villa elevator shaft elevator.



永磁强启动曳引机

Permanent magnet synchronous roller gearless traction machine



轿厢装潢

Car decoration



LA-J001

标配

吊 顶：发纹不锈钢，亚克力灯饰，LED
轿 壁：发纹不锈钢，镜面不锈钢
扶 手：不锈钢管
地 板：PVC

Standard

Ceiling: Hairline stainless steel, acrylic lighting decoration, LED
Car wall: Hairline stainless steel, mirror stainless steel
Handrail: stainless steel tube
Floor: PVC



LA-J002

选配

吊 顶：发纹不锈钢，筒灯
轿 壁：镜面不锈钢，发纹不锈钢
扶 手：不锈钢扁扶手
地 板：PVC

Optional

Ceiling: Hairline stainless steel, down lamp
Car wall: Mirror stainless steel, hairline stainless steel
Handrail: Stainless steel handrails
Floor: PVC

轿厢装潢

Car decoration



LA-J003

选 配

吊 顶：钛金镜面
轿 壁：黑钛、钛金蚀刻不锈钢
扶 手：无
地 板：PVC

Optional

Ceiling: Titanium gold mirror
Car wall: Black titanium, titanium gold etched stainless steel
Handrail: None
Floor: PVC



LA-J004

选 配

吊 顶：镜面不锈钢框架，LED灯
轿 壁：观光型，玻璃
扶 手：不锈钢圆扶手
地 板：PVC

Optional

Ceiling: Mirror finished stainless steel, LED light
Car wall: Full sightseeing type, glass
Handrail: Round stainless steel handrail
Floor: PVC

轿厢装潢

Car decoration



LA-J005

选 配

吊 顶：镜面不锈钢、透光亚克力
轿 壁：木纹装饰板（化妆钢板）、蚀刻不锈钢
扶 手：木纹单管
地 板：PVC

Optional

Ceiling: Mirror stainless steel, light-emitting acrylic
Car wall: Veneer decoration panel (make-up steel plate), etched stainless steel
Handrail: Veneer grain single tube
Floor: PVC



LA-J006

选 配

吊 顶：钢板喷漆，中间钛金镜面不锈钢，LED筒灯
轿 壁：镜面蚀刻不锈钢，木纹装饰
地 板：PVC

Optional

Ceiling: Painted steel plate, central titanium gold mirror stainless steel, LED down lamp
Car wall: Mirror eath stainless steel, the decorative wood
Floor: PVC

操纵箱

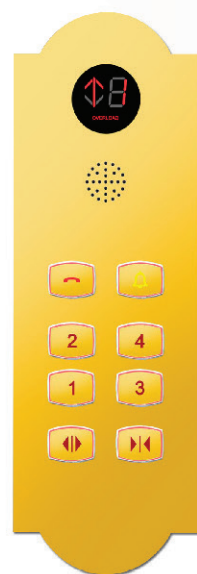
Operation panel



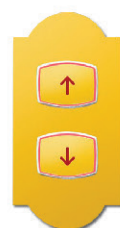
LA-LC001-II
标配 Standard



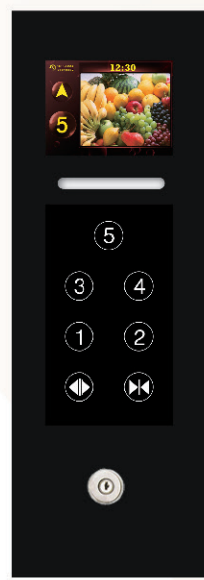
LA-LZ001-II
标配 Standard



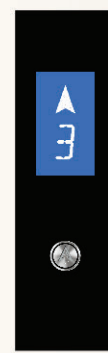
LA-LC008
选配 Optional



LA-LZ008
选配 Optional



LA-LC012
选配 Optional



LA-LZ012
选配 Optional



LA-LC009
选配 Optional



LA-LC011
选配 Optional

吊顶系列

Ceiling series



LA-LD001-II 选配 Optional

不锈钢镜面，LED光源
Mirror stainless steel, LED light source



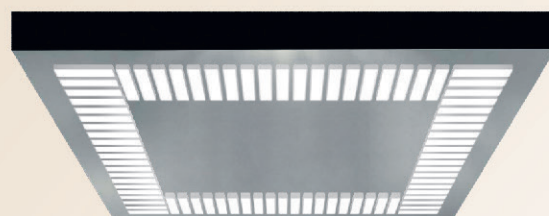
LA-LD002-II 选配 Optional

不锈钢镜面，LED光源
Mirror stainless steel, LED light source



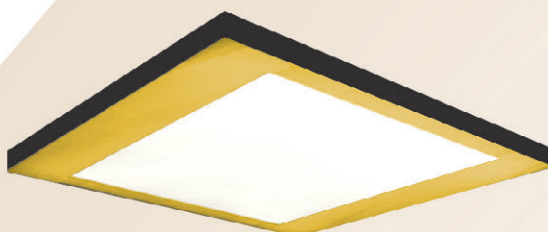
LA-LD003-II 选配 Optional

不锈钢镜面，LED光源
Mirror stainless steel, LED light source



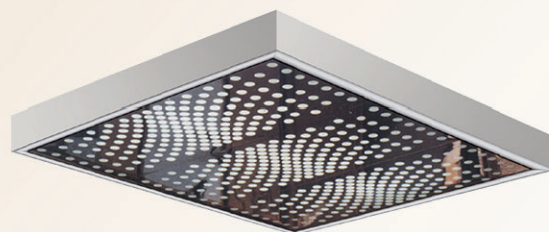
LA-LD004 选配 Optional

发纹不锈钢，亚克力灯饰
Hairline stainless steel, acrylic lighting decoration



LA-LD007 选配 Optional

皇冠金烤漆钢板框架，亚克力顶板
Crown gold painted steel frame, acrylic roof



LA-LD008 选配 Optional

不锈钢镜面镂空板和白色有机板，配铝合金边框
Hollow stainless steel mirror plate and white organic board with aluminum frame

厅门系列

Landing door series



LA-LT001
选配 Optional



LA-LT002
选配 Optional



LA-LT003
选配 Optional



LA-LT006
选配 Optional

玻璃厅门系列

Glass landing door series



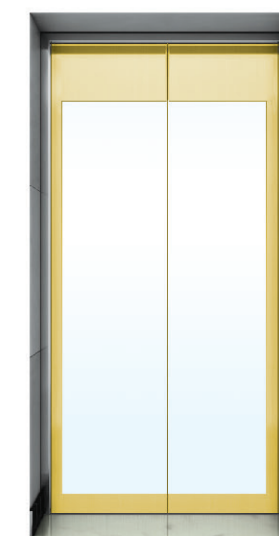
LA-LT004
选配 Optional



LA-LT009
选配 Optional



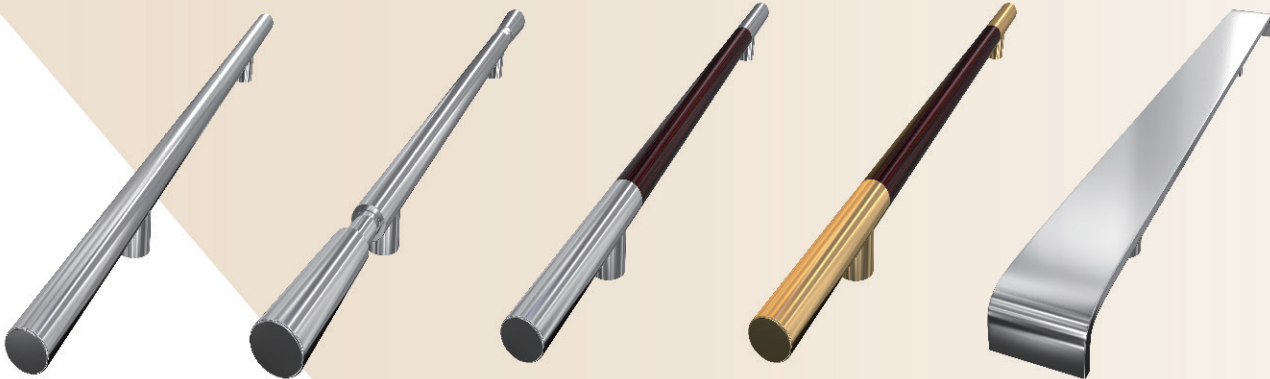
LA-LT010
选配 Optional



LA-LT011
选配 Optional

扶手系列

Handrail series



LA-LF001
选配 Optional

LA-LF002
选配 Optional

LA-LF003
选配 Optional

LA-LF004
选配 Optional

LA-LF005
选配 Optional

门拉手系列

Door handrail series



LA-LFS001
选配 Optional

LA-LFS002
选配 Optional

LA-LFS003
选配 Optional

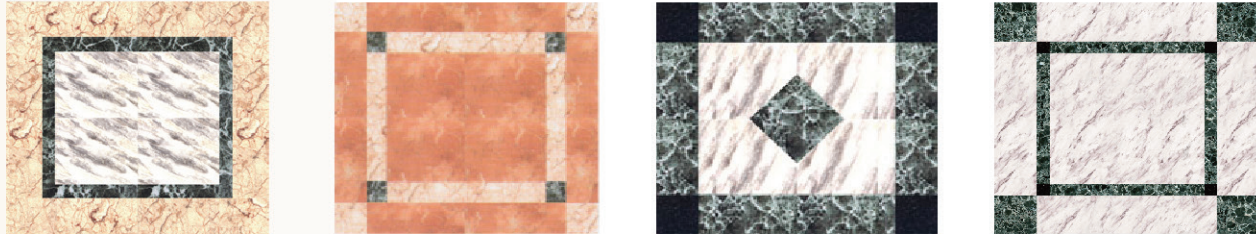
LA-LFS004
选配 Optional

LA-LFS005
选配 Optional

LA-LFS006
选配 Optional

地板系列

Foor series



LA-LPV001
选配 Optional

LA-LPV002
选配 Optional

LA-LPV003
选配 Optional

LA-LPV004
选配 Optional



LA-LPV005
选配 Optional

LA-LPV006
选配 Optional

LA-LPV007
选配 Optional

LA-LPV008
选配 Optional

色卡系列

Door handrail series



LS001
象牙黄
Ivory yellow

LS002
骨色
Bone color

LS003
浅灰
Light grey

LS004
浅绿
Light green

LS005
海蓝
Blue

LS006
亚光黑
Matte black

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

电梯功能表

Table of elevator functions

安全功能

拯救及故障监测		
主机过热保护		B
安全回路分段检测		B
总电源开关箱		B
运行小时累计		B
轿厢位置开关		B
轿厢紧停开关-轿顶		B
轿厢紧停开关-底坑		B
安全钳安全触点		B
限速器安全触点		B
电梯主开关-控制柜内		B
禁止开门开关		B
限速器张紧安全触点		B
轿门触点		B
轿厢照明主开关盒主保险-控制柜内		B
底坑撑杆触点		B
轿顶撑杆触点		B
手动松闸功能		B
紧急轿厢照明		B
手动紧急救援		B
断电紧急平层ARD		B
应急电话（一键拨号电话）		B
自动发送救援信息功能（GSM功能）		B

信息功能

厅外信息显示		
外呼登陆显示灯		B
各层均有方向箭头，层位显示		B
轿内信息显示		
内呼登陆显示灯		B
超载功能图案及蜂鸣器		B
轿厢位置指示		B
运行方向指示		B
监控信息		
门区指示灯		B
运行次数累计		B
一般故障信号		B

乘客舒适功能

出入轿厢		
开门按钮		B
关门按钮		B
光幕		B
滥用/误用保护		
二次按钮取消错误内呼		B
按钮黏滞监察		B
反向内呼		B
运行舒适度		
轿内照明		B
轿内风扇		B
轿内照明监察		B
语音报站		B

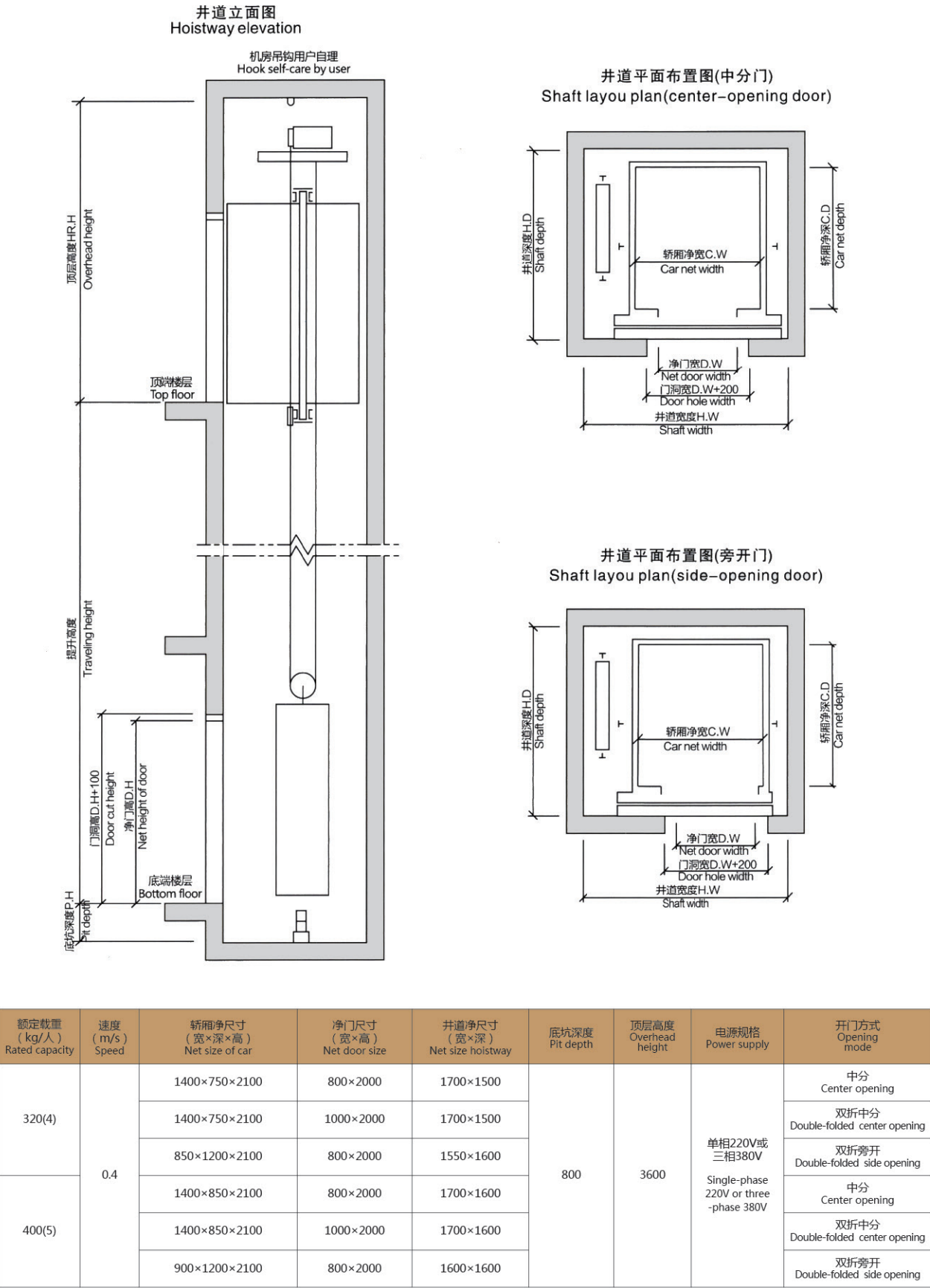
控制功能

优先和特殊服务功能		
禁止外呼		B
自动门		B
各层开关门时间可统一调节		B
检修运行		B
紧急召回		B
测试运行		B
电梯门未开则自动开往下一站		B
远程监控		B
特殊功能		
残疾人使用功能（盲人按钮）		B
外呼再开门		B
贯通门		O

B 标准功能 O 可选功能

曳引式别墅电梯土建图

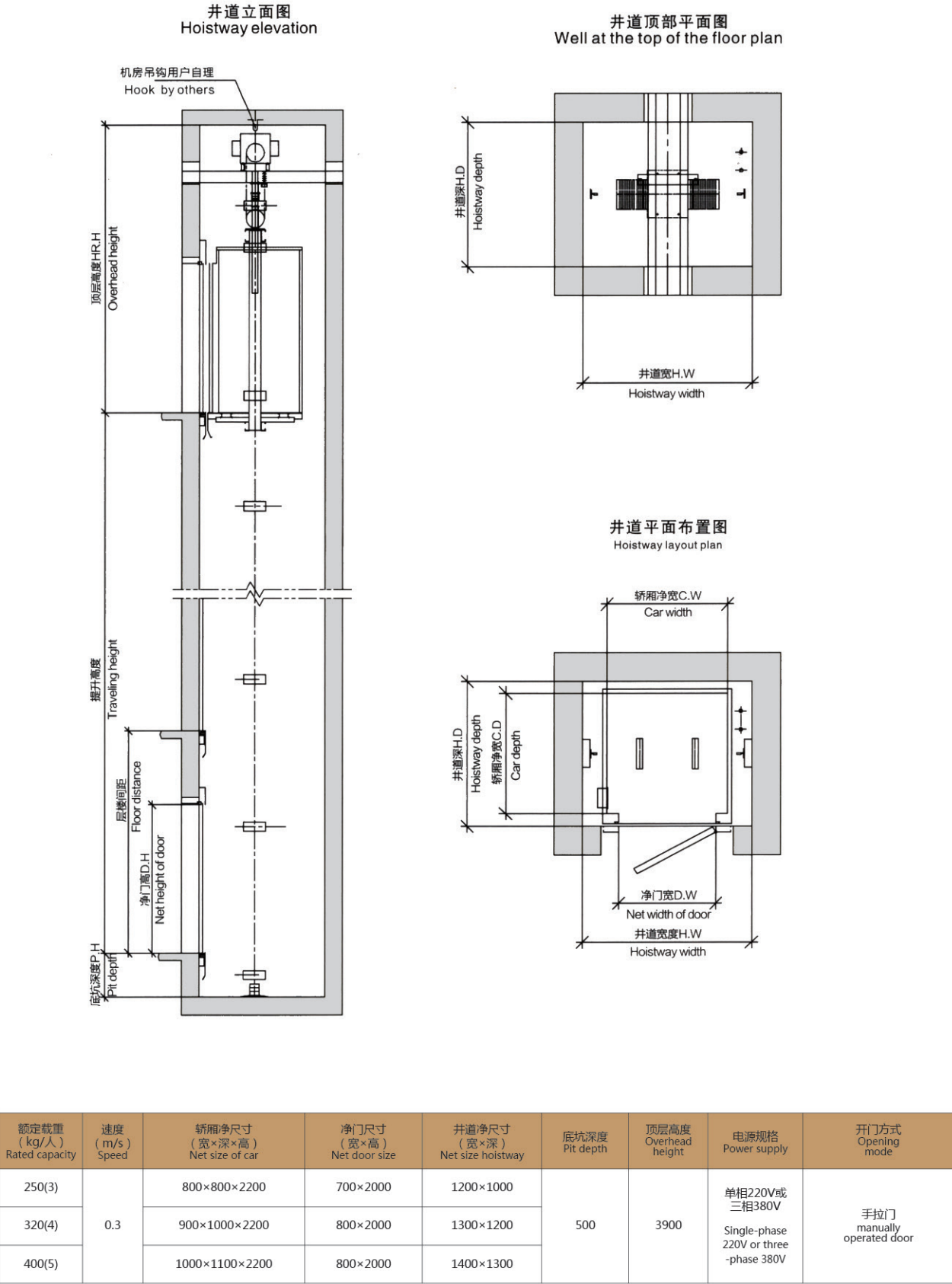
Traction type villa elevator construction sketch



注：上述尺寸供设计参考，具体尺寸以合同约定时提供的土建图为准
Note: Regarding specific sizes, please take the construction layout drawing whlie signing the cintract as criterion.

强制式别墅电梯土建图

Forced villa elevator construction sketch



注：上述尺寸供设计参考，具体尺寸以合同约定时提供的土建图为准
Note: Regarding specific sizes, please take the construction layout drawing whlie signing the cintract as criterion.

服务体系

Service system



专业团队
Professional team



快捷服务
Convenient service



服务专线
Service line



专业维保
Professional maintenance

专业服务团队

所有维保服务人员均接受严格的岗位培训、执行标准的维保流程，并依托强大的技术支持网络和管理系统，向客户提供完善的服务体验。

安心电梯远程监控系统

实现24小时电梯远程监控、及时报警救援和维保、检验等工作的信息化管理，保障电梯安全运行，电梯管理更方便快捷。

Professional service team

All the repair and maintenance employees go through strict post training. It executes standard repair and maintenance flow. It is backed by the powerful technical support network and management system. It provides the clients with perfect service experience.

Trustworthy elevator long-distance monitor system

It fulfills 24-hour elevator long-distance monitor, prompt alarm rescue, repair and maintenance, information management such as inspection etc. It ensures safe elevator operation. It is more prompt and convenient in elevator management.



电梯日常保养

◎ 在业主方电梯安装验收完毕后即进入我公司为期12个月的产品质保服务期。

在产品质保服务期中我们将定期派专业保养人员在业主方电梯现场进行巡回维护保养。每台电梯的维护周期将被控制在15天1次。维修保养人员每三个月向业主提交一份有关电梯维修保养情况的报告。对业主方有些在运行时间上有特殊要求的电梯，在维护时间上，我公司将充分考虑业主方的安排。如果产品质保期内发现问题，我公司人员将在接到通知后24小时内进行处理。在产品质保期结束前，我公司将为业主方电梯免费进行一次综合性检查和试验，并免费校正发现的问题。在产品质保服务期中，我们将为业主方电梯进行24小时电话值班服务。

◎ 签定电梯维修保养合同后

在业主方与我公司签订维修保养合同后我们将定期派专业维修人员在业主方电梯现场进行巡回维护保养。每台电梯的维护周期将被控制在15天1次。对业主方有些在运行时间上有特殊要求的电梯，在维护时间上，我公司将充分考虑业主方的安排。为业主方提供24小时电梯紧急维修服务。每年免费一次“年度安全检查”，以优惠的价格解决发现的问题。

零配件的供应

◎ 在产品质保期内

对于业主方的电梯我公司将免费更换正常使用情况下损坏的电梯零部件。在电梯使用现场我们还将准备一部分常用易损件做到随用随有。

◎ 在产品质保期过后

超出产品质量保修期后，备件供应确保大厦电梯连续安全高质量运行。在签订维修保养合同后对于业主方电梯我公司将以优惠的价格提供正常情况下损坏的电梯零部件。在签订维修保养合同后还将准备一部分零部件做到随用随有。

◎ 在技术培训方面

安排专业维修保养工程师到现场为业主方提供免费技术指导，并培训电梯使用操作方法和电梯管理人员。

Elevator daily maintenance

◎ Our 12-month quality guarantee begins after the elevator has been installed and inspected by our clients.

Within quality warranty service period of our products, we will regularly assign the professional maintenance staff to round-maintain the owners' elevators at site. Maintenance cycle of each elevator is controlled within 15 days each time. The repair and maintenance staff will submit a report of the elevator's repair and maintenance conditions to the owners every three months. Regarding the owners' elevators which have special requirements in the running time, our company fully considers the owners' arrangement in maintenance time. If there is something wrong within quality warranty period of the products, our staff will handle it within 24 hours upon receiving the notice. Before quality warranty period ends, our company will freely execute a comprehensive inspection and test to the owners' elevators, correct the problems. Within the quality warranty service time of the products, we will hold 24-hour phone duty service for the owners' elevators.

◎ Sign the maintenance and repair contract with our clients

After the owner signing "The Elevator Repair & Maintenance Contract" with our company, we will regularly assign the professional repair staff to round-maintain the owners' elevators at site. Maintenance cycle of each elevator is controlled within 15 days each time. Regarding the owners' elevators which have special requirements in running time, our company will fully consider the owners' arrangements in maintenance time. We provide the owners with 24-hour elevator emergency repair service. One free "Annual Safety Check" per year solves the problems by the favorable price.

Supply of spare parts

◎ Within the quality guarantee period

We will freely replace any broken spare parts which go wrong during normal operation for our clients. We will also supply some spare parts on site for replacement during daily maintenance.

◎ After the quality guarantee period

The replacement parts should ensure the consistent, safe and efficient operation of elevators. After signing the repair and maintenance contract, the spare parts will be supplied to our clients at the most favorable price. We also offer some replacement parts for daily maintenance.

◎ Technical training

We arrange the professional repair and maintenance engineers to freely technically instruct, train the elevators' operation staff for vast owners at site.