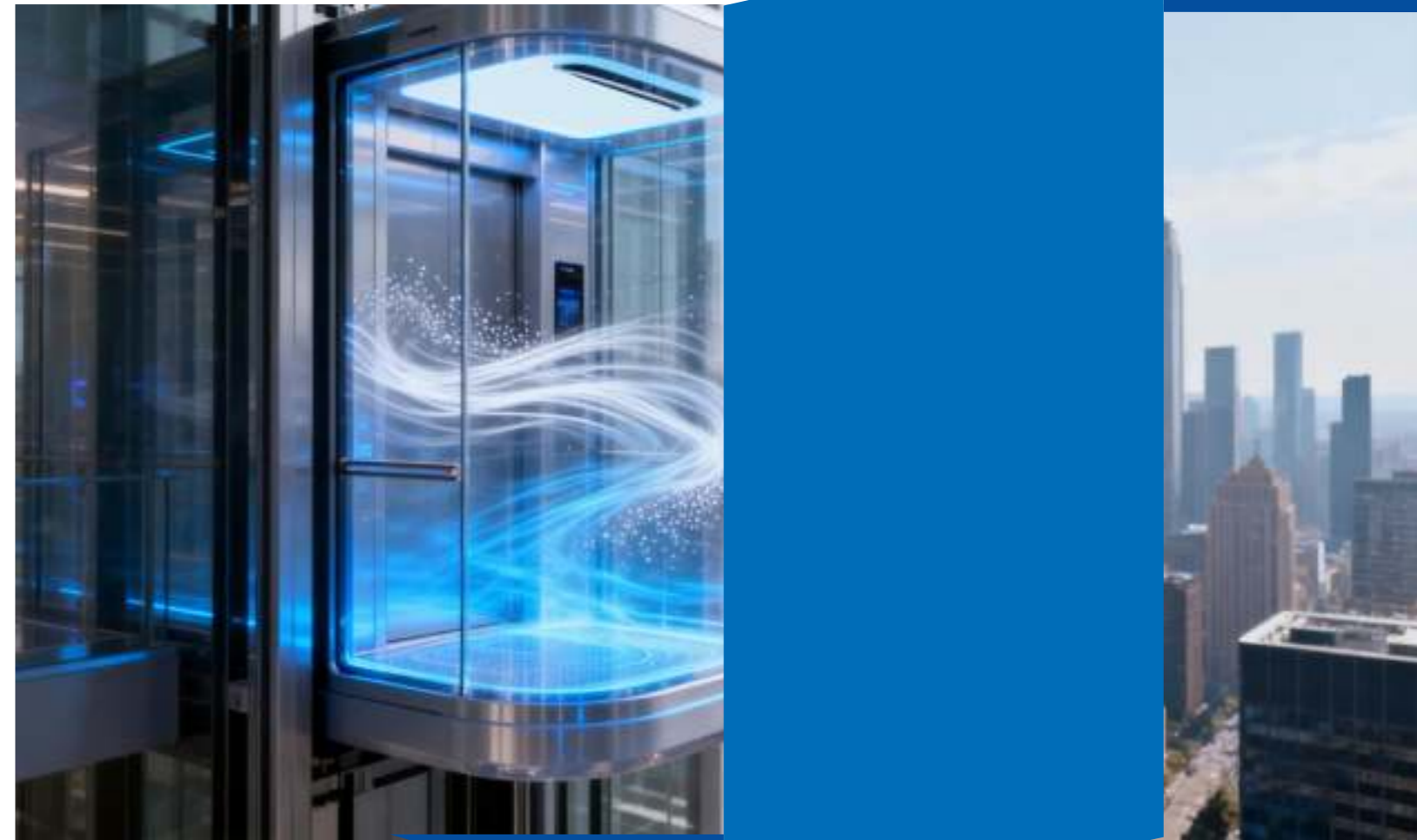


二十年匠心智造品牌  
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HESHAN



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Sweep up and learn more

产品的设计规格、功能、性能参数等方面可能有所变动，恕不另行通知，请以实机为准。  
Design specifications, functions, performance parameters and other aspects of the product may be changed without prior notice, please refer to the actual machine.

电梯轿厢空调器  
ELEVATOR CABIN AIR CONDITIONER

轿厢空气净化器  
ELEVATOR CABIN AIR PURIFIER



舒适



健康



安全

舒适 · 健康 · 安全

COMFORTABLE

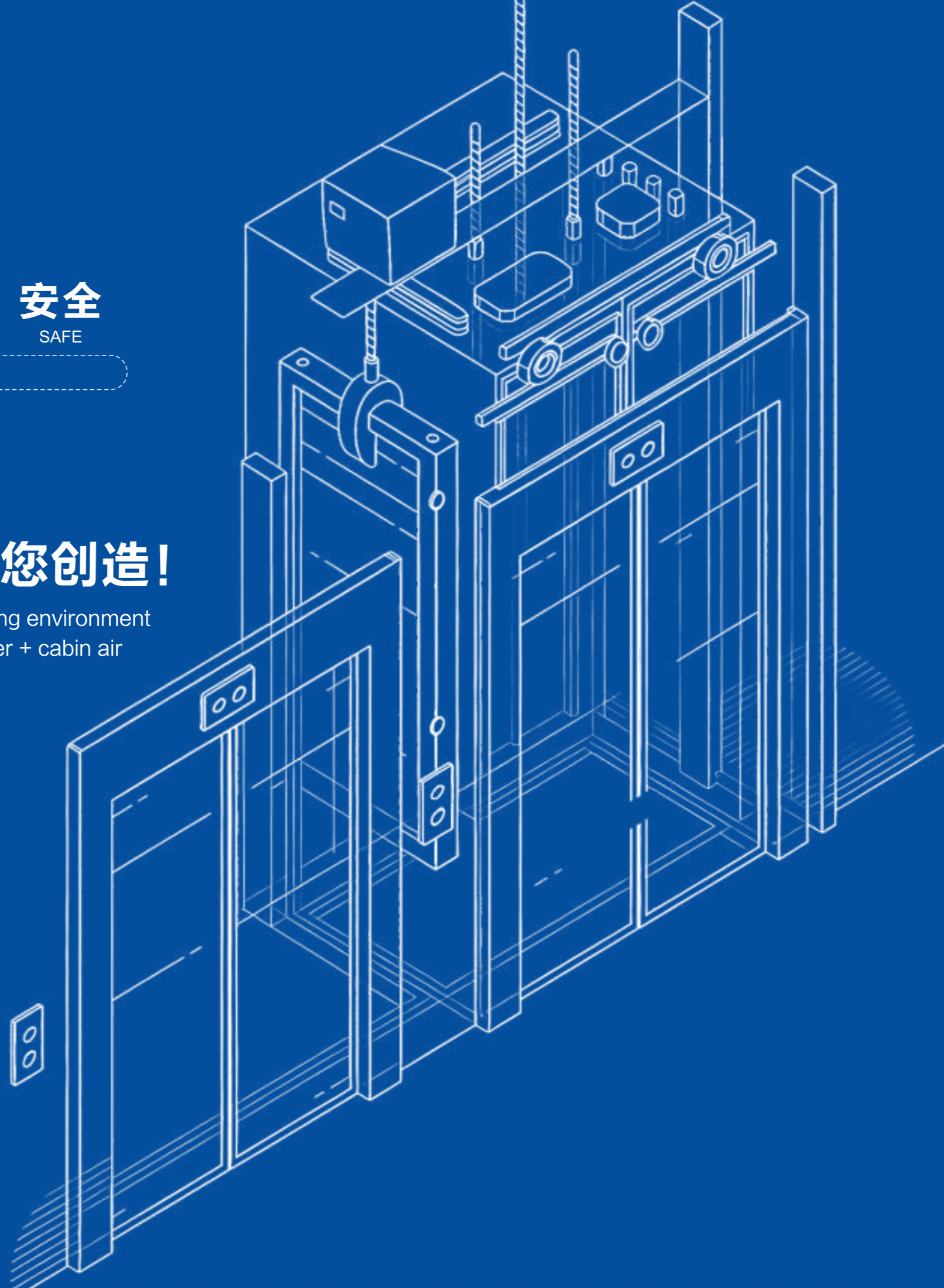
HEALTHY

SAFE

乘梯环境

和山 电梯轿厢空调器  
轿厢空气净化器 为您创造!

Comfortable, Healthy and Safe riding environment  
—Heshan elevator air conditioner + cabin air purifier provide you!



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# 企业简介

## CORPORATION INTRODUCTION

和山公司注册于2003年3月，位于杭州城西余杭区中泰工业园，专业研发制造电梯轿厢空调器、轿厢空气净化器、井道降温风机、液压电梯油冷却器等产品，集设计开发、生产制造、销售服务、安装维保为一体，致力于打造更舒适、健康、安全的乘梯环境。

公司竭尽全力满足客户的不同需求，所供应的“和山”牌电梯专用空调种类齐全，制冷量范围从900W到5300W，有50Hz和60Hz电源可选；控制方式一般为智能遥控带记忆型、手机蓝牙控制型，也可以选择中控室远程集中控制型，也可以根据客户特殊要求定做加工。空调具有智能控制、无滴水处理、高效节能、低噪音、绿色环保、健康节能等特点，其先进的水处理方式、高度自动化的智能控制系统以及空调换热器灰尘自动清除、远程控制等多项技术先后获得二十多个实用和发明专利证书，十多个软件著作权等。经过二十多年的持续稳定发展，已为众多品牌电梯配套了大量“和山”牌电梯专用空调器，产品远销世界各地，深受国内外用户好评。

公司研发生产的第二代TJHQ系列电梯轿厢空气净化器，吸取了多年市场经验和技術革新成果，采用纳米光触媒技术、原装进口优质紫外线灯、高效过滤系统等多项先进技术，具有广谱高效、高效过滤、空气净化、智能控制、故障报警五大卓越性能，杀菌效率99.9%以上。可以与电梯空调联动安装，也可以单独安装，适用于医院、商场、写字楼、酒店等场所。

公司始终以顾客需求为导向，不断改进创新，拥有行业领先的焓差、化学等专业实验室。先后顺利通过了国家高新技术企业、浙江省“专精特新”中小企业认定；中国质量认证中心ISO9001质量管理体系认证、ISO14001环境管理体系认证、OHSAS45001职业健康安全管理体系认证；空调器产品CCC认证及CE认证。公司奉行“诚信、高效、卓越、创新”的企业精神，紧跟时代发展潮流，努力将创新的技术、优质的产品和真诚的服务奉献给广大新老客户。

Heshan company was registered on March 2003 and is located in Zhongtai Industrial Park, Yuhang District, West Hangzhou City. It integrates design and development, manufacturing, sales and service, installation and maintenance, and is committed to creating a more comfortable, healthy and safe elevator environment.

Heshan spares no effort to meet the different needs of customers. The "Heshan" brand elevator air conditioner are supplied with a complete range, with TK and NK series available. The cooling capacity ranges from 900W to 5300W, power supply from 50Hz to 60Hz. For the intelligent remote control with memory type, Mobile Bluetooth controlled type, can also choose the remote control room control type or customized according to the special requirements of customers. Air conditioners with intelligent control, no dripping treatment, high efficiency and energy saving, low noise, green environmental protection, health and energy saving, its advanced water treatment method, highly automated intelligent control system, automatic dust removal of air conditioner heat exchanger, remote control and other technologies has obtained more than 20 practical and invention patent certificates and more than 10 software copyrights. After more than 20 years of continuous and stable development, a large number of "Heshan" brand elevator air conditioners have been installed for many brand elevators. The products are exported to all over the world and are highly praised by users in China and oversea.

The second generation TJHQ series elevator car air purifier developed by the company has absorbed many years of market experience and technological innovations, and adopts advanced technologies such as nano photocatalyst technology, original imported high-quality ultraviolet lamp and high-efficiency filtration system. Five excellent performances of high efficiency filtration, air purification, intelligent control and fault alarm, the sterilization efficiency is over 99.9%. It can be installed in conjunction with elevator air conditioners, or it can be installed separately, suitable for hospitals, shopping malls, office buildings, hotels and other places.

The company has always been customer-oriented, continuous improvement and innovation, with industry-leading enthalpy difference, chemistry and other professional laboratories. It has successfully passed the accreditation of National High-tech Enterprise, Zhejiang Province's "specialized and special new" small and medium-sized enterprises. China Quality Certification Center ISO9001 quality management system certification, ISO14001 environmental management system certification, OHSAS45001 occupational health and safety management system certification, and air conditioner product CCC certification and CE certification. The company pursues the enterprise spirit of "integrity, efficiency, excellence, innovation", keeps up with the development trend of the times, and strives to dedicate innovative technology, high-quality products and sincere service to the vast number of new and old customers.



# 电梯空调功能特点

## FUNCTIONAL CHARACTERISTICS OF ELEVATOR AIR CONDITIONING

电梯轿厢在运行过程中，由于外界热辐射或乘客自然散热等原因，轿厢内温度会上升。为了使电梯里有一个更舒适的乘坐环境，和山人致力于电梯轿厢空调器的研发和应用已有二十余年，目前形成了比较成熟的第九代产品，不仅具有制冷、通风、除尘、除湿等功能，而且还有制热、杀菌、节能、远程控制等选配功能。

随着人们生活水平的日益提升，电梯里装空调已经越来越常见，大厦写字楼、商场酒店、住宅、地铁站等场所的电梯通过安装电梯空调，真正实现了在夏天里制冷、冬天里取暖、春秋送风，极大满足了人们对于舒适、健康生活的需求。

During the operation of the elevator car, due to external heat radiation or the natural heat dissipation of passengers, the temperature in the car will rise. In order to provide a more comfortable riding environment in elevators, Heshan People has been committed to the research and application of elevator car air conditioners for more than 20 years. Currently, a relatively mature ninth generation product has been formed. It not only has functions such as refrigeration, ventilation, dust removal, dehumidification, but also has optional functions such as heating, sterilization, energy conservation, and remote control.

With the improvement of people's living standards, installing air conditioning in elevators has become increasingly common. By installing elevator air conditioners in office buildings, shopping malls, hotels, residences, subway stations, and other places, it has truly achieved cooling in summer, heating in winter, and air supply in spring and autumn. It greatly meets the needs of people for a comfortable and healthy life.

### 无滴水 No Dripping

冷凝水非电加热气化处理；  
防溢水多重保护，确保无滴水；  
高效环保隔热送风软管，外表面不凝露。

Non-electric heating evaporation treatment of condensed water;  
Multiple protection against overflow to ensure no dripping;  
Efficient and environmentally friendly thermal insulation air supply hose, the outer surface does not condense.

### 低噪音 Low Noise

国际名牌压缩机，采用双消音器设计；  
风扇叶片不打水设计，大大降低了噪音；  
振动部位采用阻尼材料吸震。

International famous brand compressor with double muffler design;  
The fan blade is designed without water, which greatly reduces the noise;  
The vibration part adopts damping material to absorb shock.



### 使用方便 Easy to Use

开关机时间程序控制，自动运行；  
运行模式智能控制，自动切换；  
用手机蓝牙联结，微信小程序操作，也可在轿厢内用遥控器操作（选配）；  
轿厢内温度显示（选配）；  
可选择远程控制和诊断（选配）。

On-off time program control, automatic operation;  
Intelligent control of operation mode, automatic switching;  
Can connect via Bluetooth, and can also be operated using a remote control or a WeChat Mini Program (optional);  
Temperature display in the lift car (optional);  
Optional remote control and diagnostics (optional).



### 高效节能 Energy Efficient

采用高效压缩机，新型环保制冷剂；  
先进的换热器制造技术；加大风量设计，制冷剂双重冷却方式；  
对系统进行全面优化设计，满足国家节能标准；  
空调换热器灰尘自动清除技术，长效节能；  
电梯较长时间无人乘坐时，空调会自动休眠，实现绿色节能（选配功能）。

Adopt high-efficiency compressor, new environmentally friendly refrigerant;  
Advanced heat exchange manufacturing technology; increased air volume design, dual refrigerant cooling method;  
The system is fully optimized and designed to meet the national energy-saving standards;  
Air conditioner heat exchange dust automatic removal technology, long-term energy saving;  
When the elevator is not used for a long time, the air conditioner will enter the automatic sleep mode to achieve green energy conservation (optional function).



### 健康环保 Health and Environmental Protection

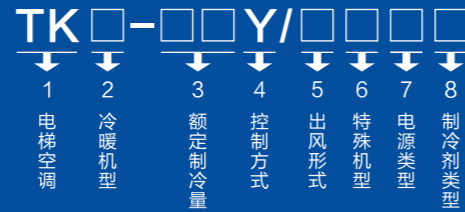
高效防霉过滤网，清除灰尘；  
优质冷触媒，去除有害气体（根据型号）；  
紫外线强力杀菌系统，快速彻底杀灭多种病菌（选配功能）。

High-efficiency anti-mildew filter to remove dust;  
High-quality cold catalyst to remove harmful gases (according to model);  
Ultraviolet powerful sterilization system, quickly and completely kill a variety of germs (optional function).



诚信 高效 卓越 创新  
Honesty Efficiency Excellence Innovation

## 电梯空调型号命名规则 ELEVATOR AIR CONDITIONER MODEL RULE



注1: 1) 字母“TK”：表示电梯专用空调；

注2: 1) 无字母：表示单冷机型；

2) 字母“D”：表示冷暖机型。

注3: 1) 数字“26”：表示TK系列额定制冷量为2600W；

2) 数字“35”：表示TK系列额定制冷量为3500W；

注4: 1) 字母“Y”：表示遥控机型；

2) 字母“L”：表示手机蓝牙机型；

3) 字母“YC”：表示远程控制机型；

注5: 1) TK系列无字母：表示26机空调器风口在底部；

2) TK系列字母“Q”：表示空调器风口在前面；

注6: 数字“1”：表示合金底盘系列

注7: 1) 无字母：为220~230V, 50Hz；

2) 字母“Z”：为220V, 60Hz；

注8: 1) 直接加后缀，如“R410A”

Note 1: 1) Letter “TK” : Elevator A/C;

Note 2: 1) No letter: only cooling function;

2) Letter “D”: cooling and heating double function;

Note 3: 1) “26”: rated TK series cooling capacity is 2600W;

2) “35”: rated TK series cooling capacity is 3500W;

Note 4: 1) Letter “Y”: remote controlled type;

2) Letter “L”: represents the mobile phone Bluetooth model;

3) Letter “YC”: long-distance controlled type;

Note 5: 1) TK series No letter: 26 cool air coming out from bottom;

2) TK series Letter “Q”: cool air coming out from front;

Note 6: “1”: means alloy chassis series

Note 7: 1) No letter: 220~230V, 50Hz;

2) Letter “Z”: 220V 60HZ ;

Note 8: 1) Add directly, such as R410A

其他未列入的情况，具体见参数表，在型号后加文字说明。

For other cases not included, see the table of parameters and add text after the model.



TK(D)-09L/Q1 型电梯空调  
TK(D)-09L/Q1 Elevator Air Conditioner

TK(D)-26L/Q1 型电梯空调  
TK(D)-26L/Q1 Elevator Air Conditioner

TK(D)-35L/Q1 型电梯空调  
TK(D)-35L/Q1 Elevator Air Conditioner

## 手机蓝牙控制系列空调器 09机、26机和35机

Mobile Bluetooth Controlled Series Air Conditioners Machine 09 Model、26 Model And 35 Model

| 型号 Model                                       | TK-09L/Q1 (R410A)   | TKD-09L/Q1 (R410A) | TK-26L/Q1 (R410A)                    | TKD-26L/Q1 (R410A) | TK-35L/Q1 (R410A)                    | TKD-35L/Q1 (R410A) |
|--|---|--------------------|--------------------------------------|--------------------|--------------------------------------|--------------------|
| 额定制冷量 (W)<br>Rated Cool Capacity (W)           | 900   | 900                | 2600                                 | 2600               | 3500                                 | 3500               |
| 额定制热量 (W)<br>Rated Heat Capacity (W)           | /   | 1100               | /                                    | 2200               | /                                    | 2200               |
| 循环风量(高风/低风, m³/h)<br>Air Flow (High/Low, m³/h) | 200 / 160   | 200 / 160          | 400 / 330                            | 400 / 330          | 570 / 450                            | 570 / 450          |
| 制冷额定输入电流 (A)<br>Rated Cool Input Current(A)    | 2.0   | 2.0                | 4.3                                  | 4.3                | 5.8                                  | 5.8                |
| 制热额定输入电流 (A)<br>Rated Heat Input Current(A)    | /   | 5.1                | /                                    | 10.0               | /                                    | 10.3               |
| 制冷额定输入功率 (W)<br>Rated Cool Input Power (W)     | 430   | 430                | 930                                  | 930                | 1250                                 | 1250               |
| 制热额定输入功率 (W)<br>Rated Heat Input Power (W)     | /   | 1100               | /                                    | 2200               | /                                    | 2270               |
| 噪声dB (A)<br>Noise dB (A)                       | <51   |                    | <53                                  |                    | <55                                  |                    |
| 电源<br>Voltage/Frequency                        | 220-230V~50Hz   |                    |                                      |                    |                                      |                    |
| 制冷剂<br>Refrigerant                             | R410A   |                    |                                      |                    |                                      |                    |
| 防水等级<br>Water Proof Level                      | IP24  |                    |                                      |                    |                                      |                    |
| 防触电保护类别<br>Insulated Voltage Grade             | I类 (1 Grade)  |                    |                                      |                    |                                      |                    |
| 压缩机保护装置<br>Compressor Protection               | 过热保护 过电流保护 延迟启动保护<br>Overheat protection; Over current protection; Delay startup protection   |                    |                                      |                    |                                      |                    |
| 控制方式<br>Control Mode                           | 手机蓝牙控制 (用户自备) + 程序控制 (自动) + 遥控器红外线控制 (选配)<br>Mobile Bluetooth control(bring your own device) + Program control (automatically) + Remote control infrared control (optional) |                    |                                      |                    |                                      |                    |
| 外形: 长*宽*高 (mm)<br>Dimensions (L*W*H)mm         | 515*395*298   |                    | 545*455*403                          |                    | 640*570*455                          |                    |
| 质量 (kg)<br>Weight(kg)                          | 21.5  | 22                 | 39                                   | 39.5               | 50.5                                 | 51                 |
| 选型建议<br>Model Selection Suggestions            | ≤ 630   |                    | ≤ 2000                               |                    | ≤ 3000                               |                    |
| 出风方式,回风方式<br>Air Out,Air return                | 前面出风, 前面回风<br>From Front ,From Front  |                    | 前面出风, 前面回风<br>From Front ,From Front |                    | 前面出风, 前面回风<br>From Front ,From Front |                    |

TK(D)-26Y/Q1 型电梯空调  
TK(D)-26Y/Q1 Elevator Air ConditionerTK(D)-35Y/Q1 型电梯空调  
TK(D)-35Y/Q1 Elevator Air ConditionerTK(D)-26Y 型电梯空调  
TK(D)-26Y Elevator  
Air ConditionerTK(D)-26Y/Q 型电梯空调  
TK(D)-26Y/Q Elevator  
Air ConditionerTK(D)-35Y/Q 型电梯空调  
TK(D)-35Y/Q Elevator  
Air ConditionerTK(D)-53Y/Q 型电梯空调  
TK(D)-53Y/Q Elevator  
Air Conditioner

## 遥控系列空调器 26机和35机

Remote control series air conditioner 26 Model And 35 Model

| 型号 Model                                       | TK-26Y/Q1<br>(R410A)   | TKD-26Y/Q1<br>(R410A) | TK-35Y/Q1<br>(R410A)                 | TKD-35Y/Q1<br>(R410A) |
|--|--|-----------------------|--------------------------------------|-----------------------|
| 额定制冷量 (W)<br>Rated Cool Capacity (W)           | 2600   | 2600                  | 3500                                 | 3500                  |
| 额定制热量 (W)<br>Rated Heat Capacity (W)           | /  | 2200                  | /                                    | 2200                  |
| 循环风量(高风/低风, m³/h)<br>Air Flow (High/Low, m³/h) | 400 / 330  | 400 / 330             | 570 / 450                            | 570 / 450             |
| 制冷额定输入电流 (A)<br>Rated Cool Input Current(A)    | 4.3  | 4.3                   | 5.8                                  | 5.8                   |
| 制热额定输入电流 (A)<br>Rated Heat Input Current(A)    | /  | 10                    | /                                    | 10.3                  |
| 制冷额定输入功率 (W)<br>Rated Cool Input Power (W)     | 930  | 930                   | 1250                                 | 1250                  |
| 制热额定输入功率 (W)<br>Rated Heat Input Power (W)     | /  | 2200                  | /                                    | 2270                  |
| 噪声dB (A)<br>Noise dB (A)                       | <53  |                       | <55                                  |                       |
| 电源<br>Voltage/Frequency                        | 220-230V~50Hz  |                       |                                      |                       |
| 制冷剂<br>Refrigerant                             | R410A  |                       |                                      |                       |
| 防水等级<br>Water Proof Level                      | IP24   |                       |                                      |                       |
| 防触电保护类别<br>Insulated Voltage Grade             | I类 (1 Grade)   |                       |                                      |                       |
| 压缩机保护装置<br>Compressor Protection               | 过热保护 过电流保护 延迟启动保护<br>Overheat protection; Over current protection; Delay startup protection  |                       |                                      |                       |
| 控制方式<br>Control Mode                           | 程序控制 (自动) +红外线遥控 (手动)<br>Program control (automatically) +infrared remote control (Manually) |                       |                                      |                       |
| 外形: 长*宽*高 (mm)<br>Dimensions (L*W*H)mm         | 545*455*403  |                       | 640*570*455                          |                       |
| 质量 (kg)<br>Weight(kg)                          | 39   | 39.5                  | 50.5                                 | 51                    |
| 选型建议<br>Model Selection Suggestions            | ≤2000  |                       | ≤3000                                |                       |
| 出风方式,回风方式<br>Air Out,Air return                | 前面出风, 前面回风<br>From Front ,From Front   |                       | 前面出风, 前面回风<br>From Front ,From Front |                       |

\* 备注: 上述型号也适用于220-230V 60Hz电源 Note: The above model is also applicable to 220-230V 60Hz power supply

## 经典款系列空调器 26机、35机和53机

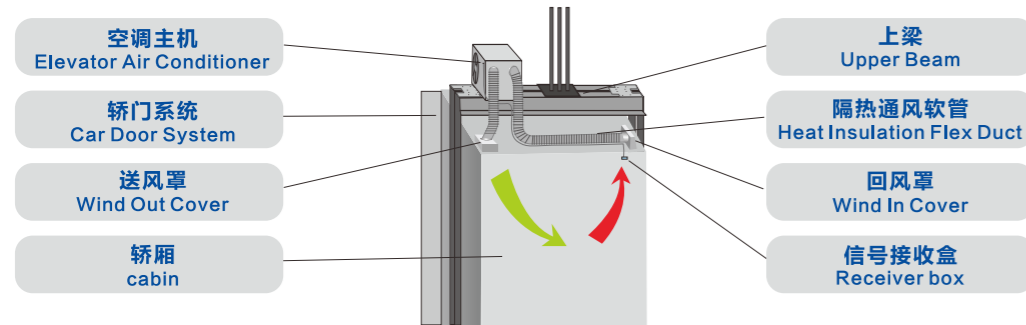
Classic Collection air conditioner 26 Model、35 Model And 53 Model

| 型号 Model                                       | TK-26Y<br>(R410A)  | TKD-26Y<br>(R410A) | TK-26Y/Q<br>(R410A)                  | TKD-26Y/Q<br>(R410A) | TK-35Y/Q<br>(R410A)                  | TKD-35Y/Q<br>(R410A) | TK-53Y/Q<br>(R410A)                  | TKD-53Y/Q<br>(R410A) |
|--|--|--------------------|--------------------------------------|----------------------|--------------------------------------|----------------------|--------------------------------------|----------------------|
| 额定制冷量 (W)<br>Rated Cool Capacity (W)           | 2600   | 2600               | 2600                                 | 2600                 | 3500                                 | 3500                 | 5300                                 | 5300                 |
| 额定制热量 (W)<br>Rated Heat Capacity (W)           | /  | 2200               | /                                    | 2200                 | /                                    | 2200                 | /                                    | 2300                 |
| 循环风量(高风/低风, m³/h)<br>Air Flow (High/Low, m³/h) | 400 / 330  | 400 / 330          | 400 / 330                            | 400 / 330            | 570 / 450                            | 570 / 450            | 730 / 670                            | 730 / 670            |
| 制冷额定输入电流 (A)<br>Rated Cool Input Current(A)    | 4.3  | 4.3                | 4.3                                  | 4.3                  | 5.8                                  | 5.8                  | 9.0                                  | 9.0                  |
| 制热额定输入电流 (A)<br>Rated Heat Input Current(A)    | /  | 10.0               | /                                    | 10.0                 | /                                    | 10.3                 | /                                    | 11.3                 |
| 制冷额定输入功率 (W)<br>Rated Cool Input Power (W)     | 930  | 930                | 930                                  | 930                  | 1250                                 | 1250                 | 1950                                 | 1950                 |
| 制热额定输入功率 (W)<br>Rated Heat Input Power (W)     | /  | 2200               | /                                    | 2200                 | /                                    | 2270                 | /                                    | 2500                 |
| 噪声dB (A)<br>Noise dB (A)                       | <53  |                    | <53                                  |                      | <55                                  |                      | <57                                  |                      |
| 电源<br>Voltage/Frequency                        | 220-230V~50Hz  |                    |                                      |                      |                                      |                      |                                      |                      |
| 制冷剂<br>Refrigerant                             | R410A  |                    |                                      |                      |                                      |                      |                                      |                      |
| 防水等级<br>Water Proof Level                      | IP24   |                    |                                      |                      |                                      |                      |                                      |                      |
| 防触电保护类别<br>Insulated Voltage Grade             | I类 (1 Grade)   |                    |                                      |                      |                                      |                      |                                      |                      |
| 压缩机保护装置<br>Compressor Protection               | 过热保护 过电流保护 延迟启动保护<br>Overheat protection; Over current protection; Delay startup protection  |                    |                                      |                      |                                      |                      |                                      |                      |
| 控制方式<br>Control Mode                           | 程序控制 (自动) +红外线遥控 (手动)<br>Program control (automatically) +infrared remote control (Manually) |                    |                                      |                      |                                      |                      |                                      |                      |
| 外形: 长*宽*高 (mm)<br>Dimensions (L*W*H)mm         | 615*455*435  |                    | 545*455*435                          |                      | 640*570*510                          |                      | 680*670*530                          |                      |
| 质量 (kg)<br>Weight(kg)                          | 40   | 40.5               | 39                                   | 39.5                 | 57                                   | 57.5                 | 67.5                                 | 68                   |
| 选型建议<br>Model Selection Suggestions            | ≤2000  |                    | ≤2000                                |                      | ≤3000                                |                      | ≤5000                                |                      |
| 出风方式,回风方式<br>Air Out,Air return                | 底部出风, 底部回风<br>From Bottom ,From Bottom   |                    | 前面出风, 前面回风<br>From Front ,From Front |                      | 前面出风, 前面回风<br>From Front ,From Front |                      | 前面出风, 前面回风<br>From Front ,From Front |                      |

\* 备注: 上述型号也适用于220-230V 60Hz电源 Note: The above model is also applicable to 220-230V 60Hz power supply

# 电梯空调的安装与维保

## ELEVATOR AIR CONDITIONER INSTALLATION AND MAINTENANCE



### 电梯空调的安装简述

#### Elevator Air Conditioner Installation Instructions

1. 空调主机直接固定在电梯上梁，或通过支架固定在上梁；
2. 利用原来的风机口（或新开一个长方形孔）从电梯轿厢内回风；
3. 冷风通过原风机口（或新开一个长方形孔）用隔热软管输送入轿厢；
4. 轿顶夹层内的冷风通道必须做隔热处理，以防止出风口形成冷凝水；
5. 把遥控接收线引入轿厢内，并加以固定；
6. 在遥控器上设定定时开关机时间，并在遥控器上设定空调运行模式、温度、风速后，按压遥控器上的“程控”键，空调器进入程控全自动运行状态。（其中蓝牙控制系列可以在手机上设置。）

1. Air conditioner main machine installed directly on the elevator upper beam, or fix with rack to the upper beam;
2. Return air from the original elevator fan hole (or open a new rectangular hole) from the elevator car;
3. Cold air go through the original fan hole (or open a new rectangular hole) into the car by heat insulating duct;
4. Insulated cold-channel process between cartop and ornament ceiling must be done to prevent the formation of a condensation water on the air outlet;
5. The remote receive probe pulled into car and fixed;
6. Set the auto on/off time on the remote controller, and set the air conditioning operation mode, temperature, wind speed on the remote controller, press the remote control "programmed" button, air conditioner enter the program-controlled automatic air-conditioner running. (The Bluetooth control series can be configured on the phone.)

### 电梯空调的维护保养

#### Elevator Air conditioner Maintenance

1. 定期清洗三片过滤网，建议每隔30天进行一次；
  2. 定期检查电梯轿厢内温度及噪音；
  3. 定期由专人检查空调运行状况；
  4. 在每年夏季使用之前，清洁空调器的冷凝水处理泵，并更换水泵外围的过滤材料；
  5. 遇有不正常运行情况，应立即关机并请专业人员检查原因。
1. Regular cleaning three filters, once every 30 days is recommended;
  2. Regularly check the temperature and noise inside the elevator car;
  3. Regular running inspection;
  4. Each summer before use, clean the air conditioner condensation water pumps, and replace the external pump filter material;
  5. In case of abnormal operation, aircon should be immediately shut down and resort to professional for examination.

# 智慧型物联网电梯空调

## SMART IOT ELEVATOR AIR CONDITIONER

### 产品介绍

#### Product Description

随着智能化楼宇的大量建造，建筑设备管理系统中，空调系统、给排水系统、电力系统和电梯管理系统等，大量采用了自成体系的专业监控系统。根据GB/T 50314-2006《智能建筑设计标准》的要求，建筑设备管理系统应具有对建筑机电设备测量、监视和控制功能，确保各类设备系统运行稳定、安全和可靠，并达到节能和环保的管理要求。和山紧跟时代发展步伐，研发出了智慧型物联网电梯空调系统，用户可以通过手机、PAD、电脑（部分型号仅用电脑）等对电梯空调的运行状态进行远程测量、监视和控制，并支持空调器自动发故障码（如有）到用户的手机上，该项“远程控制型电梯空调系统”技术获得了国家发明专利。

“和山”智慧型物联网电梯空调系统主要由远程控制型电梯空调、传输信号线、网关（转换器）、云平台、定制软件、电脑等部分组成。该系统的研发成功，对于提高大楼管理的科学性和智能化水平，节省维护人工费，减少设备运行产生的能耗并降低运行管理成本等等，带来了许多实实在在的好处。

With the large-scale construction of intelligent buildings, a large number of self-contained professional monitoring systems have been adopted in the building equipment management system, such as air conditioning system, water supply and drainage system, electric power system and elevator management system. According to the requirements of GB/T 50314-2006 "Intelligent Building Design Standards", the building equipment management system should have the functions of measuring, monitoring and controlling building mechanical and electrical equipment to ensure stable, safe and reliable operation of various equipment systems, and achieve the management requirements of energy saving and environmental protection. Keeping pace with the development of The Times, Heshan has developed the intelligent Internet of Things(IoT) elevator air conditioning system. Users can remotely measure, monitor, and control the operating status of elevator air conditioners through mobile phones, PAD, and computers (some models only use computers), and support the automatic transmission of fault codes (if any) by air conditioners to users' mobile phones. This "remotely controlled elevator air conditioning system" technology has obtained a national invention patent.

Heshan intelligent Internet of Things(IoT) elevator air conditioning system is mainly composed of remote control elevator air conditioner, transmission signal line, gateways (converters), cloud platforms, customized software, computers, and other components. The successful research and development of the system has brought many real benefits to improve the scientific and intelligent level of building management, save maintenance labor costs, reduce energy consumption generated by equipment operation and reduce operation and management costs.

# 云通讯无线控制系列

## CLOUD COMMUNICATION WIRELESS CONTROL SERIES

基于物联网和云平台技术，和山公司成功研发出采用无线连接的智慧型物联网电梯空调。电梯空调数据直接通过RS485转4G/WiFi通信网关上传到云服务器，用户可以通过手机、PAD、电脑等终端随时随地观察/控制电梯空调的运行情况，还能接收电梯空调发出的通知信息，大幅提高了用户的体验感和舒适度。

Based on IoT and cloud platform technology, Heshan successfully developed the intelligent IoT elevator air conditioner using wireless connection. The elevator air conditioner data is directly uploaded to the cloud server from the elevator machine room through the RS485 to 4G/WiFi communication gateway. Users can observe/control the operation of the elevator air conditioner anytime and anywhere through terminals such as mobile phones, PAD, and computers, and can also receive notification information from the elevator air conditioner, which greatly improves the user experience and comfort.

### 主要功能特点

#### Main Functional Features

##### 多终端操作

用户可以通过手机、PAD、电脑等终端观察/控制电梯空调的运行状态，只需打开浏览器或微信小程序即可。

##### 随时随地操作

用户不再局限于固定的地点，不用亲临每一台电梯现场，也不用携带遥控器，随时随地对电梯空调的温度、运行模式、开关机时间、风速等进行操作，省时省力。

##### 感知乘客，自动休眠

当电梯较长时间无人进出时，电梯空调会自动进入休眠模式，感应到有人进入后再自动开启。此自动休眠功能可以节约电力消耗，实现节能减排。

##### 故障诊断

电梯空调可以对所采集的数据进行逻辑分析，设备若出现异常，页面端自动弹出警示标记，报告故障原因，提示解决方案。用户也可以与和山服务中心直接连线，获得远程协助，大幅度提高维保效率。

##### 低门槛，实施简单

无需远距离布线，只需电梯井道有无线WiFi覆盖或者移动4G信号即可接入，尤其适用于新建楼宇的智能化应用以及早期建设楼宇的智能化改造，助力客户低成本一步跨入智能物联网时代。

##### Multi-terminal operation

Users can observe/control the operation status of elevator air conditioners through mobile phones, PADs, computers and other terminals, just open a browser or WeChat applet.

##### Operate anytime, anywhere

Users are no longer limited to a fixed location, do not need to visit each elevator site in person, and do not need to carry a remote control. They can operate the temperature, operation mode, switching time, wind speed, etc. of the elevator air conditioner anytime, anywhere, saving time and effort.

##### Sensing passengers, automatic sleep

When no one enters or exits the elevator for a long time, the elevator air conditioner will automatically enter the sleep mode, and it will automatically turn on after sensing someone entering. This automatic sleep function can save power consumption and achieve energy conservation and emission reduction.

##### Troubleshooting

The elevator air conditioner can logically analyze the collected data. If the equipment is abnormal, a warning mark will automatically pop up on the page to report the cause of the failure and prompt the solution. Users can also directly connect with Heshan Service Center to provide remote assistance, greatly improve maintenance efficiency.

##### Low threshold and simple implementation

There is no need for long-distance wiring, only the elevator shaft has wireless WiFi coverage or mobile 4G signal to access, especially suitable for intelligent applications of new buildings and intelligent transformation of early construction buildings, helping customers to enter the intelligent Internet of Things at a low cost era.

### 连接示意图

#### Connection Diagram





## 网线或双绞线有线控制系列

### NETWORK CABLE OR TWISTED PAIR WIRED CONTROL SERIES

该系列电梯空调系统，轿顶到机房采用随行电缆中的双绞线，机房到中央控制室采用网络线或屏蔽双绞线连接，客户在大楼中央控制室用电脑来观察/控制空调的运行状态。

This series of elevator air conditioning systems adopts the twisted pair in the accompanying cable from the car top to the machine room, and uses the Network cable or shielded twisted pair from the machine room to the central control room. The customer uses a computer in the central control room of the building to observe/ Control the operating status of the air conditioner.

### 主要功能特点

#### Main Functional Features

##### 实时监控

通过中控室电脑显示屏，实时监测电梯轿厢内的温度，空调器的回风和出风温度，空调器的运行电压和电流等，随时掌控电梯空调的运行状态；

##### 远程操作

实现在中控室对电梯空调的温度、运行模式、开关机时间、风速等进行控制；

##### 故障诊断

通过对所选电梯空调的水位、工作电压、电流等数据的监测和分析，高效处理故障；

##### 远程技术支持

可以与生产工厂通过因特网连线，进行远程协助，在线处理全球各地的电梯空调问题。

#### ◎ Real time monitoring

Through the computer display screen in the central control room, the temperature in the elevator car, the return air and outlet air temperature of the air conditioner, the operating voltage and current of the air conditioner, etc. are monitored in real time, and the operation status of the elevator air conditioner can be controlled at any time;

#### ◎ Remote operation

Realize the control of the temperature, operation mode, on-off time, wind speed, etc. of the elevator air conditioner in the central control room;

#### ◎ Troubleshooting

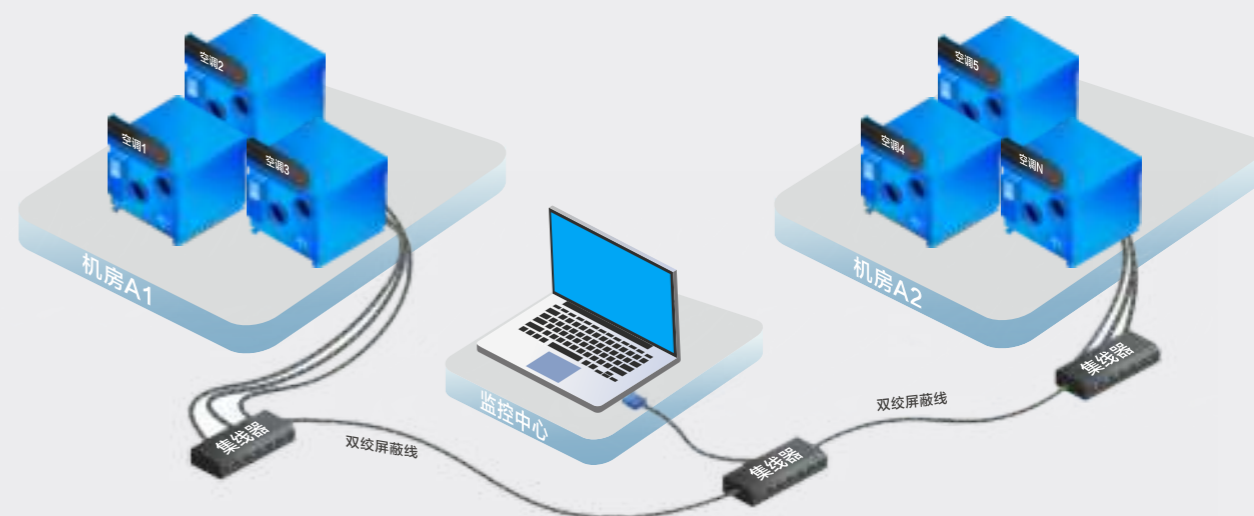
Through the monitoring and analysis of the water level, working voltage, current and other data of the selected elevator air conditioner, the fault can be handled efficiently;

#### ◎ Remote technical support

It can be connected to the production plant through the Internet for remote assistance and online handling of elevator air conditioning problems around the world. Introduction to system components

### 连接示意图

#### Connection Diagram



近年来，随着房地产的蓬勃发展，新建大楼数量剧增，配套的电梯轿厢内灰尘较大，装修材料的气味较浓，成为一个相当普遍的问题。在用梯中，由于电梯轿厢相对密闭，人员密集，如何高效安全地杀死诸如流感病毒、SARS、肺结核等通过空气传播的致病源，成为电梯乘客和电梯公司亟待解决的一个问题。

紫外线可以杀死现在已知的几乎所有病毒细菌，只是对于不同的病菌有不同的杀灭时间。根据2003年中国疾病预防控制中心病毒病预防控制所专家董小平的研究发现，严重急性呼吸道症候群(SARS)冠状病毒的生存能力比原来估计要强，但是高温消毒和紫外线照射等方法，可以有效杀灭SARS。研究人员同时模拟自然条件下的日光，检测日光中紫外线对冠状病毒的杀灭能力，结果发现，在北京地区5月份上午十时的晴朗天气下，紫外线照射三小时可杀灭SARS病毒，阴天中紫外线的杀灭能力就相对下降。

国内目前电梯轿厢空气中，安装紫外线杀菌装置的电梯非常少，这不是说我们的电梯不需要安装，而是我们的电梯乘客和电梯公司的认识和行动还没达到这样的重视程度。目前在国内，医梯有强制规定必须安装紫外线杀菌装置，但由于其工作时间有限，一般是电梯停运后杀菌30~60分钟，对正在使用中的轿厢空气没有起到杀菌作用，这是个重大缺陷！但恰恰也是和山电梯轿厢空气净化器的重大优点，和山净化器能在轿厢内有人乘坐的情况下连续杀菌，且又能避免紫外线对人体造成的伤害。

和山人一直致力于电梯轿厢空气温度调节，空气净化等领域的研究，在第一代TYUV系列电梯轿厢紫外线杀菌系统的基础上，与国内高校、科研机构等展开了长时间深度合作，开发了高度智能化的第二代TJHQ系列电梯轿厢空气净化器；并委托上海市疾病预防控制中心对其杀菌效率进行了检测，结果表明，作用60min后，对20m<sup>3</sup>试验室内白色葡萄球菌杀灭率为99.86%--99.90%，非常高效。

对于装修材料气味的解决，我们采用了锐钛型TiO<sub>2</sub>纳米材料，做成光触媒涂层，在紫外光的作用下，价带上的电子(e<sup>-</sup>)跃迁到导带，在价带上产生相应的空穴(h<sup>+</sup>)，生成具有极强氧化作用的超氧离子自由基、羟基自由基、超氧羟基自由基，不仅

In recent years, with the vigorous development real estate market, the number of new buildings has increased dramatically, the dust in the supporting elevator car is large, and the smell of decoration materials is relatively strong, which has become a quite common problem. In the elevator car, because the car is relatively closed and crowded, how to effectively and safely kill airborne sources such as influenza virus, SARS, tuberculosis, etc., has become an urgent problem for elevator passengers and elevator companies.

Ultraviolet light kills almost all viral bacteria known to date, but has different killing times for different germs. According to a study by Dong Xiaoping, an expert from the Center for Viral Disease Prevention and Control of the Chinese Center for Disease Control and Prevention in 2003, the viability of severe acute respiratory syndrome (SARS) coronavirus is stronger than originally estimated, but methods such as high-temperature disinfection and ultraviolet irradiation can effectively kill SARS. The researchers simultaneously simulated daylight under natural conditions and tested the ability of ultraviolet light to kill coronavirus in sunlight. The results showed that in the sunny weather at 10 am in Beijing in May, UV rays could kill SARS for three hours, cloudy. The ability to kill ultraviolet light is relatively low.

In the current domestic air management of elevator cars, there are very few elevators equipped with ultraviolet disinfection devices. This is not to say that our elevators do not need to be installed, but the awareness and actions of our elevator passengers and elevator companies have not yet reached such importance. At present, in China, medical ladders have mandatory regulations to install ultraviolet disinfection devices. However, due to their limited working time, they are usually sterilized for 30 to 60 minutes after the elevator is stopped. This does not have a bactericidal effect on the air in use. This is a Major defect! However, it is also a major advantage of the mountain elevator car air purifier, and the mountain purifier can continuously sterilize in the case of a person riding in the car, and can avoid the damage caused by ultraviolet rays to the human body.

Heshan has been committed to the research of elevator cabin air temperature control, air purification and other fields. Based on the first generation of TYUV series elevator cabin UV disinfection system, Heshan launched a long deep cooperation with domestic universities, research institutions, and developed the second generation TJHQ series elevator cabin air purifier. The air purify system is tested by Shanghai Disease control and Prevention Center to be as efficient as 99.86% - 99.90 in killing white staphylococcus in 20m<sup>3</sup> lab under 60minute radiation.

For decoration materials odor solution, we have adopted TiO<sub>2</sub> nanomaterials to make photocatalytic coatings, under UV effect, valence band electrons (e<sup>-</sup>) transitions to the conduction band, the valence band create a corresponding hole (h<sup>+</sup>), it will generates superoxide anion radicals with high oxidation, hydroxyl radicals, superoxide hydroxyl radicals, can not only

## 电梯轿厢 空气净化器 ELEVATOR CABIN AIR PURIFIER

能将甲醛、苯、甲苯、二甲苯、TVOC等有毒有害气体、污染物、臭气等氧化分解成无害的CO<sub>2</sub>和H<sub>2</sub>O，而且具有高效广谱的消毒性能，对各种常见的致病菌都有很好的抑制和杀灭作用。一般抗菌剂只有杀菌作用，但不能分解毒素，光触媒则可以将细菌遗体及在体内残留毒素完全分解，达到彻底消毒杀菌的目的。光触媒作用过程中本身不发生变化和损耗，只是提供一个反应场所，具有持续作用、性质稳定、安全无毒的优点，不产生二次污染，是绿色环保无污染产品。

TJHQ系列空气净化器吸取了多年市场经验和技術革新成果，采用纳米光触媒技术、优质进口紫外线灯、高效过滤系统等多项先进技术，具有广谱高效、高效过滤、空气净化、智能控制、故障报警五大卓越性能。可以与电梯空调联动安装，也可以与电梯风扇联动安装，适用于医院、商场、写字楼、酒店等场所。已用于北京大兴新机场、天津市人大、上海国金中心、广东省委、深圳坪山妇幼保健院、重庆江北机场、成都东方广场、西安莱安中心、新疆克拉玛依飞机场、银川万科城市之光、沈阳恒隆广场、山西省建行、青岛海尔董事局大楼、湖北省农村信用社联合社、南通市政府、南昌大学第一附属医院、杭州市民中心、温州市国家电网、长沙楷林国际大厦、福州融侨中心、云南省第一人民医院、昆明恒隆广场等项目，我们以专业的精神，获得了用户专业的肯定！

formaldehyde, benzene, toluene, xylene, TVOC and other toxic gases, pollutants, odors and other oxidation and decomposition into harmless CO<sub>2</sub> and H<sub>2</sub>O, but an efficient broad-spectrum disinfection performance of a variety of common pathogens. General antibacterial agents only bactericidal effect, but can't break down toxins, bacteria photocatalyst can be completely decomposed remains and residual toxins in the body, to achieve complete sterilization purposes. Photocatalysis process itself does not change and loss, just to provide a response place, a continuing role, stable, safe and nontoxic advantage, no secondary pollution, is green pollution-free products.

TJHQ series air purifiers have absorbed many years of market experience and technological innovation achievements, and adopt many advanced technologies such as nanometer photocatalyst technology, high quality imported UV lamp, and high efficiency filtration system, etc., with five outstanding performances of wide spectrum high efficiency, high efficiency filtration, air purification, intelligent control and fault alarm. It can be installed in tandem with elevator air conditioners or elevator fans. It is suitable for hospitals, shopping malls, office buildings, hotels and other places. It has been used in Beijing Daxing New Airport, Tianjin People's Congress, Shanghai International Financial Center, Guangdong Provincial Party Committee, Shenzhen Pingshan Maternal and Child Health Hospital, Chongqing Jiangbei Airport, Chengdu Oriental Plaza, Xi'an Laian Center, Xinjiang Karamay Airport, Yinchuan Vanke City Light, Shenyang Hang Lung Plaza, Shanxi Provincial Construction Bank, Qingdao Haier Board of Directors Building, Hubei Provincial Rural Credit Cooperatives, Nantong Municipal Government, Nanchang University First Affiliated Hospital, Hangzhou Civic Center, Wenzhou State Grid, Changsha Kailin International Building, For projects such as Fuzhou Rongqiao Center, the First People's Hospital of Yunnan Province, and Kunming Henglong Plaza. We have won professional affirmation from users with our professional spirit!

### 型号说明

Model Instructions

TJHQ-18K

|    |    |    |      |      |
|----|----|----|------|------|
| 1  | 2  | 3  | 4    | 5    |
| 名称 | 功率 | 类型 | 特殊代码 | 特殊代码 |

1. TJHQ: 电梯轿厢空气净化器  
TJHQ: Elevator Cabin Air Purifier
2. 紫外线灯标称功率 (有18W和36W可选)  
UV lamp power (18w or36w)
3. F: 风机型, 自带风机, 可独立安装; K: 空调型, 与空调联动安装  
F: Fan type, with fan, can be installed independently  
K: Linked installation with air conditioner
4. 产品更新代数, "2" 表示第二代...  
Product update generation, "2" means second generation...
5. 出(回)风方式:  
B: 前面出风, 后面回风  
B: Air out from front, Air return from behind

# 空调联动系列轿厢空气净化器

## AIR CONDITIONER LINKED SERIES CABIN AIR PURIFIER

### 主要功能特点

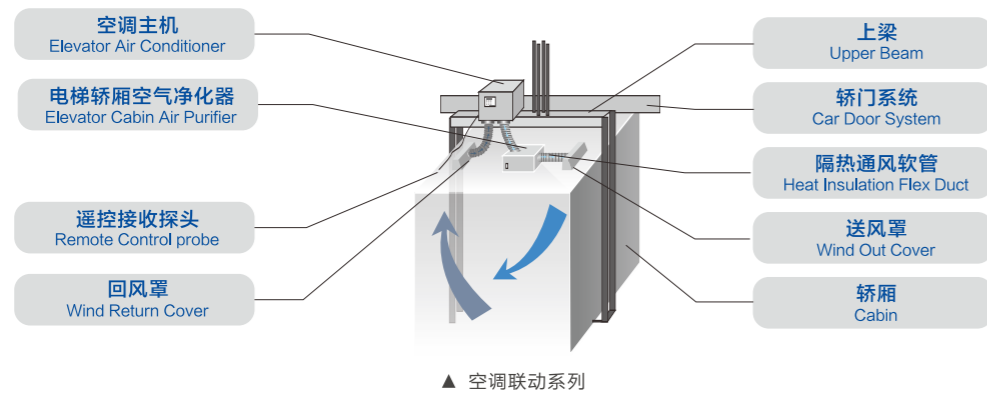
Product Feature



- 安全可靠，电梯轿厢内有乘客时也可正常开启使用；
  - 原装进口紫外线灯，杀菌迅速，效率高，杀灭率可达99.9%以上；
  - 采用纳米光触媒技术，有效去除空气中的TVOC等有害物质；
  - 广谱高效，属于纯物理消毒方法，无二次污染；
  - 结构设计合理紧凑，安装方便；
  - 使用方便，和电梯空调同步工作（非标定时器款可以独立开关机）；
  - 能耗低，寿命长，有效使用时间超过9000个小时。
- Safety and reliable, It can also be opened when there are passengers in the elevator car;
  - Original imported UV lamp, rapid sterilization, high efficiency, up to 99.9%;
  - Using Nanometer Photocatalyst technology to effectively remove harmful substances such as TVOC in the air;
  - Broad spectrum efficiency, the pure physical disinfection method, no secondary pollution;
  - Reasonable and compact structure design, easy to install;
  - Easy to use, work synchronously with elevator air conditioner ( Non-standard timer models can be turned on and off independently ) ;
  - Low energy consumption, effective lamp service more than 9000 hours.

### 安装示意图

The Installation Diagram



### 主要技术参数 Major Technical Data

| 型号 Model | 电源 Power   | 额定功率 Rated Power (W) | 灯电压 Voltage (V) | 灯电流 Current (A) | 灯管有效寿命 Effective Service Time (H) | 外形尺寸(长*宽*高) Dimensions(L*W*H) (mm) | 重量 Weight (kg) | 适用电梯 For Elevator (kg) |
|----------|------------|----------------------|-----------------|-----------------|-----------------------------------|------------------------------------|----------------|------------------------|
| TJHQ-18K | 220V, 50Hz | 18                   | 60              | 0.37            | 9000                              | 320*190*260                        | 3              | ≤1350                  |
| TJHQ-36K | 220V, 50Hz | 36                   | 105             | 0.44            | 9000                              | 500*190*260                        | 4.3            | ≤2000                  |

备注：上述型号也适用于230V 60Hz电源，具体参数请以铭牌为准。

Remarks: The above models are also suitable for 230V 60Hz power supply, please refer to the nameplate for specific parameters.

# 风机联动系列轿厢空气净化器

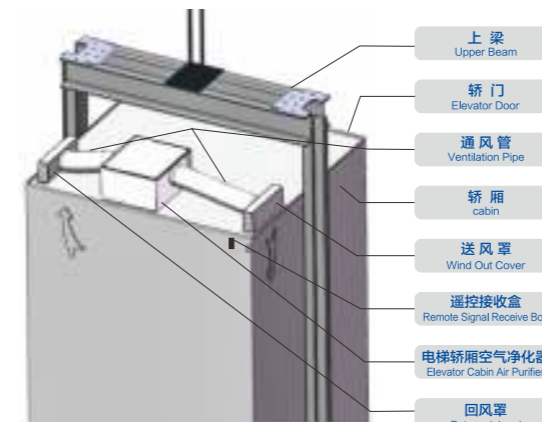
## FAN-LINKED SERIES ELEVATOR CABIN AIR PURIFIER

### 主要功能特点

Product Feature



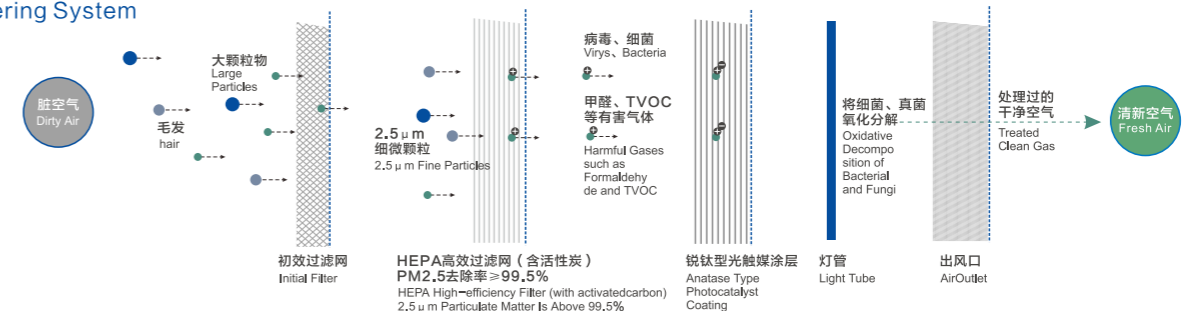
▲ B款



- 安全可靠，电梯轿厢内有乘客时也可开启使用；
  - 原装进口紫外线灯，杀菌迅速，效率高，杀灭率可达99.9%以上；
  - 采用纳米光触媒技术，有效去除空气中的TVOC等有害物质；
  - 高效的过滤系统：采用初效和含活性炭的HEPA高效过滤网2.5 μm颗粒物过滤效率达到99.5%以上；
  - 广谱高效，属于纯物理消毒方法，无二次污染；
  - 结构设计合理紧凑，安装方便，电源独立控制；
  - 使用方便，可在轿厢内遥控操作，也可设置定时自动运行；
  - 轿厢内有显示面板，对运行状态，故障报警等进行监测；
  - 能耗低，寿命长，有效使用时间超过9000个小时。
- Safety and reliable, It can also be opened when there are passengers in the elevator car;
  - Original imported UV lamp, rapid sterilization, high efficiency, up to 99%;
  - Using Nanometer Photocatalyst technology to effectively remove harmful substances such as TVOC in the air;
  - High-efficiency filtration system: the primary effect and HEPA high-efficiency filter with activated carbon are used, and the filtration efficiency of 2.5 μm particulate matter is above 99.5%;
  - Broad spectrum efficiency, the pure physical disinfection method, no secondary pollution;
  - Reasonable and compact structure design, easy to install, independent power control;
  - Easy to use, can be operated remotely in the car, and can also be set to run automatically at a time;
  - There is a display panel in the car to display the running state, fault alarm and so on;
  - Low energy consumption, effective lamp service more than 9000 hours.

### 高效的过滤系统

Filtering System



### 主要技术参数 Major Technical Data

| 型号 Model   | 电源 Power   | 额定输入功率 Rated Power (W) | 风量 Air flow (m³/h) | 灯电压 Voltage (V) | 灯电流 Current (A) | 灯管有效寿命 Effective Service Time (H) | PM2.5去除率 Removal rate of PM <sub>2.5</sub> | 噪音 Noise dB(A) | 外形尺寸(长*宽*高) Dimensions(L*W*H) (mm) | 重量 Weight (kg) | 适用电梯 For Elevator (kg) |
|------------|------------|------------------------|--------------------|-----------------|-----------------|-----------------------------------|--|----------------|------------------------------------|----------------|------------------------|
| TJHQ-18F2B | 220V, 50Hz | 105                    | 330                | 60              | 0.37            | 9000                              | ≥99.5%                                     | <55            | 380*270*230                        | 10             | ≤1350                  |
| TJHQ-36F2B | 220V, 50Hz | 130                    | 380                | 105             | 0.44            | 9000                              | ≥99.5%                                     | <55            | 400*460*230                        | 13             | ≤2000                  |

备注：上述型号也适用于230V 60Hz电源，具体参数请以铭牌为准。

Remarks: The above models are also suitable for 230V 60Hz power supply, please refer to the nameplate for specific parameters.

# 应用案例

## APPLICATION CASES

和山，为超过30000+客户提供产品和服务



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北京中信大厦 / 通力电梯



北京国贸大厦 / 华升富士达电梯 / 迅达电梯



北京市委办公楼 / OTIS机电



北京银泰中心 / OTIS电梯

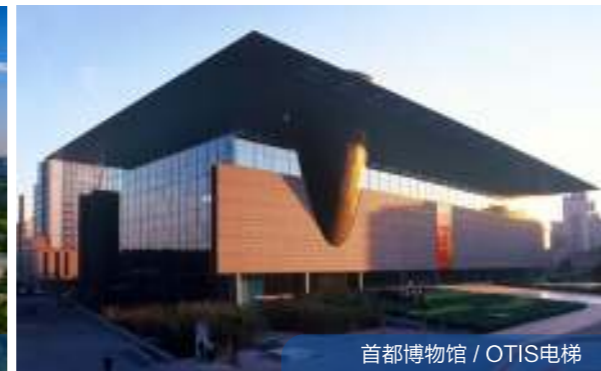
### 北京 BEIJING



北京中央电视台 / 迅达电梯



北京国家体育场 / 通力电梯



首都博物馆 / OTIS电梯



北京昆仑饭店 / 日立电梯



北京外交部 / 蒂升电梯



上海环球金融中心 / 东芝电梯



上海东方明珠 / OTIS电梯



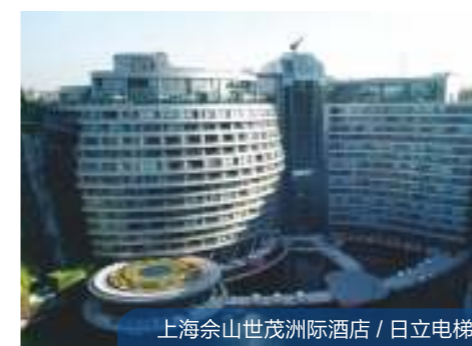
上海白玉兰广场 / 迅达电梯



上海迪士尼 / OTIS电梯



浦东香格里拉饭店 / 三菱电梯



上海佘山世茂洲际酒店 / 日立电梯



上海国金中心 / 通力电梯



上海百度上研 / 蒂升电梯



上海环贸广场 / 华升富士达电梯

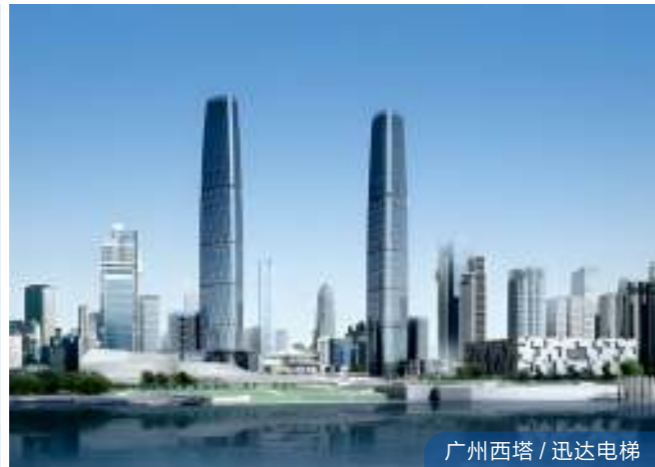


### 上海 SHANGHAI

上海汤臣一品 / 永大电梯



广州塔 / OTIS 机电



广州西塔 / 迅达电梯



佛山万科金融中心大厦 / 迅达电梯



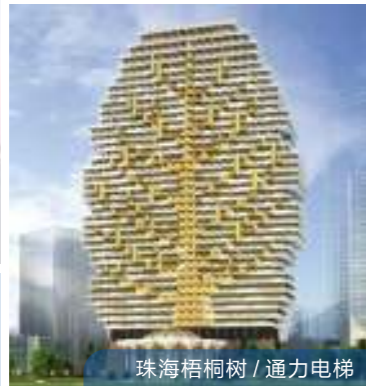
深圳平安金融中心 / OTIS / 迅达 / 通力



深圳大疆天空之城 / 蒂升电梯



广州市政府 / 日立电梯



珠海梧桐树 / 通力电梯



东莞海悦花园大酒店 / 三菱电梯



珠海港珠澳大桥 / 迅达电梯

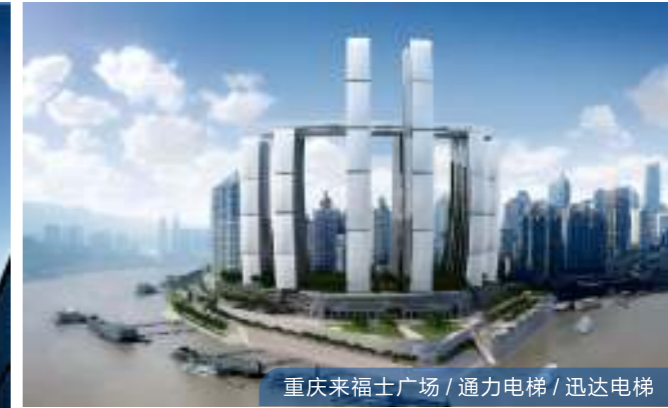


东莞国贸中心 / 通力电梯

广东 GUANGDONG



重庆环球金融中心 / 迅达电梯



重庆来福士广场 / 通力电梯 / 迅达电梯



重庆国汇凯斯基酒店 / OTIS 电梯



重庆锦嘉国际 / OTIS 电梯



重庆日月光中心 / 日立电梯



重庆香港置地 / 蒂升电梯



重庆光控朝天门中心 / 迅达电梯



重庆陆海国际中心 / 通力电梯



重庆万豪酒店 / 迅达电梯

重庆 CHONGQING



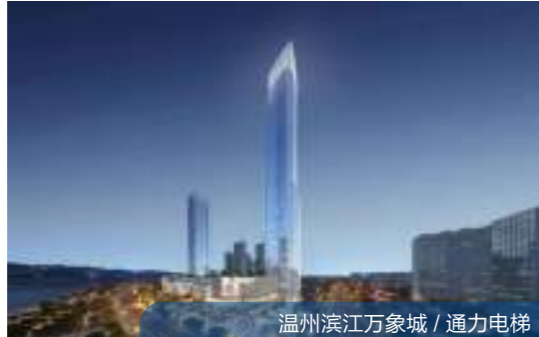
重庆时代天街 / OTIS 机电 / 通力电梯



杭州雷峰塔 / OTIS机电



浙江省政府 / 三菱、日立、OTIS电梯



温州滨江万象城 / 通力电梯



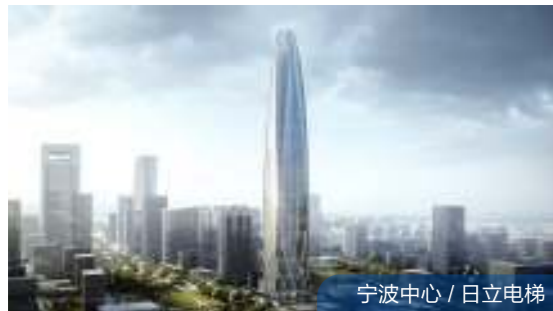
杭州阿里巴巴达摩院 / 迅达电梯



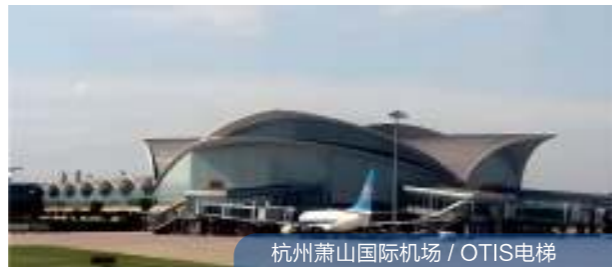
杭州西湖国宾馆 / 三菱电梯



浙江大学第一医院 / 迅达、日立、OTIS机电



宁波中心 / 日立电梯



杭州萧山国际机场 / OTIS电梯



杭州银泰百货 / 华升富士达电梯



杭州奥体中心 / 日立电梯

ZHEJIANG

## 天津 TIANJIN

天津周大福 / OTIS电梯  
 天津来福士酒店 / 迅达电梯  
 天津梅江壹号院 / 蒂升电梯  
 天津恒隆广场 / 通力电梯  
 天津银河购物中心 / OTIS电梯  
 天津津湾广场 / 永大电梯  
 天津国际金融中心 / OTIS电梯  
 天津人民广播电台 / OTIS机电电梯  
 天津泰达广场AB区 / OTIS电梯  
 天津银行 / OTIS电梯

## 河北 HEBEI

石家庄苏宁 / OTIS电梯  
 河北省建设银行 / 蒂升电梯  
 石家庄华润中心 / 通力电梯  
 石家庄勒泰中心 / 迅达电梯  
 保定长城汽车 / 蒂升电梯  
 保定爱情城 / 蒂升电梯  
 雄安滨水商业商务区 / OTIS电梯  
 雄安中化总部大厦 / 迅达电梯  
 邢台金融中心 / 通力电梯  
 邯郸市环球中心 / 迅达电梯

## 山东 SHANDONG

济南平安大厦 / 通力电梯  
 济南绿地 / 通力 / 迅达电梯  
 济南遥墙国际机场 / OTIS电梯  
 济南吉利智慧新能源汽车制造基地 / 蒂升电梯  
 青岛银丰玖玺城 / 通力电梯  
 青岛电视塔 / OTIS电梯  
 青岛华润万象城 / 通力电梯  
 青岛崂山湾大厦 / 三菱电梯  
 烟台威斯汀酒店 / 迅达电梯  
 烟台华海总部 / OTIS电梯

## 河南 HENAN

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 河南省人民医院 / 通力电梯  
 郑州华润万象城 / 迅达电梯  
 郑州丹尼斯百货 / OTIS机电电梯  
 许昌胖东来商厦 / OTIS电梯  
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山西电力勘测设计院 / 华升富士达电梯  
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 太原湖滨广场 / OTIS电梯  
 太原华润置地华润大厦 / 通力电梯  
 太原市山西汾酒文化商务中心 / 通力电梯

## 陕西 SHANXI

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 西安中大国际 / 通力电梯  
 西安机场 / OTIS电梯  
 陕西赛格商业广场 / 蒂升电梯  
 西安威斯汀酒店 / OTIS电梯  
 西安曲江国际饭店 / 蒂升电梯  
 延安吾悦广场 / 迅达电梯  
 西安市新长安广场 / OTIS电梯  
 西安开元钟楼 / 迅达电梯  
 西安华润国际文化商业中心 / 通力电梯

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 吉林市中心医院 / 三菱电梯  
 长春华为 / 迅达电梯  
 长春华润中心 / 通力电梯

长春长影环球100宝龙城 / OTIS电梯  
 大连新世界大厦 / 迅达电梯  
 沈阳恒隆广场 / 通力 / 迅达电梯  
 沈阳嘉里中心 / 蒂升电梯  
 沈阳鲁迅美术学院 / 迅达 / OTIS机电电梯

## 江苏

JIANGSU

南京金陵中环广场 / 日立电梯  
南京金鹰世界 / 通力电梯  
南京绿地国际洲际酒店 / 迅达电梯  
南京世茂中心 / OTIS电梯  
南京金融城 / 蒂升电梯  
苏州东方之门 / 通力电梯  
苏州香格里拉酒店 / 三菱电梯  
苏州凯悦酒店 / 通力电梯  
昆山市政府 / 通力电梯  
镇江苏宁广场 / 蒂升电梯

## 安徽

ANHUI

合肥柏悦中心 / OTIS电梯  
合肥安粮国贸中心 / 迅达电梯  
合肥滨湖世纪城 / 康力电梯  
合肥华润中心君悦酒店 / 迅达电梯  
合肥新桥机场 / 蒂升电梯  
蚌埠豪生酒店 / 通力电梯  
芜湖新百金鹰大酒店 / 三菱电梯  
安庆市审计局 / OTIS电梯  
淮北恒大 / OTIS电梯  
合肥环球金融国际广场 / OTIS机电

## 湖北

HUBEI

武汉绿地 / 通力电梯  
武汉万象城 / 通力电梯  
武汉协和医院门诊楼 / 东芝电梯  
武汉中百商厦 / 三菱电梯  
武汉亚心医院 / OTIS电梯  
武汉平安金融中心 / 蒂升电梯  
武汉小米科技园 / OTIS电梯  
武汉二十四城 / 华升富士达电梯  
武汉嘉里中心 / 迅达电梯  
湖北交投实业总部大厦 / OTIS电梯

## 四川

SICHUAN

成都国金 / 日立电梯  
成都新世纪环球中心 / 康力电梯  
成都喜年广场 / 日立电梯  
成都SKP / 迅达电梯  
成都环球汇 / 蒂升电梯  
成都招商银行金融后台服务中心 / 通力电梯  
成都明宇金融中心 / OTIS电梯  
成都绿地中心 / 通力 / 迅达电梯  
成都龙湖世纪城 / OTIS机电电梯  
成都银泰中心 / 迅达电梯

## 云南

YUNNAN

昆明新机场 / 通力电梯  
昆明南站 / OTIS电梯  
昆明华为云南总部 / 迅达电梯  
昆明水电站 / OTIS电梯  
云南省国家心血管病医疗中心 / 蒂升电梯  
云南百药集团股份有限公司 / OTIS机电电梯  
昆明中铁总部大厦 / 通力电梯  
昆明凯悦酒店 / OTIS电梯  
昆明和谐广场 / 迅达电梯  
西双版纳金湾半岛大酒店 / 华升富士达电梯

## 贵州

GUIZHOU

贵阳机场 / OTIS电梯  
贵阳新世界酒店 / 通力电梯  
贵阳贵州省人民政府大院 / 三菱电梯  
贵州贵安华为全球指挥中心 / 迅达电梯  
贵州省人民医院 / 华升富士达电梯  
贵州省气象局 / OTIS电梯

## 福建

FUJIAN

福州中央第五街 / OTIS电梯  
福州融侨外滩 / 通力电梯  
福州滨江市民广场 / 蒂升电梯  
福州世纪金源酒店 / 康力电梯  
福州国家税务局 / 永大电梯  
厦门人民大会堂 / OTIS电梯  
厦门华润中心 / 通力电梯  
厦门SM城市广场马銮湾 / 现代电梯  
厦门新会展中心 / 通力电梯  
厦门集美大悦城 / 迅达电梯

## 江西

JIANGXI

南昌华润万象城 / 通力电梯  
江西省人民医院 / OTIS机电电梯  
南昌省委党校 / 蒂升电梯  
南昌天使金融广场 / OTIS电梯  
江西瑞金机场 / 华升富士达电梯  
景德镇中国陶瓷博物馆 / 通力电梯

## 湖南

HUNAN

湖南省人民政府 / 三菱电梯  
湖南省华菱集团 / 三菱电梯  
长沙富兴世界金融中心 / 通力电梯  
长沙新楚擎天广场 / 迅达电梯  
长沙华远·金外滩 / 通力电梯  
长沙磁浮东延线T3航站楼 / 康力电梯  
世界计算·长沙智谷 / OTIS电梯  
长沙金茂大厦 / 通力电梯  
长沙中国移动 / 蒂升电梯  
长沙中兴通讯生产基地 / 通力电梯

## 内蒙古

NEI MENG GU

内蒙古广纳煤业 / OTIS电梯  
内蒙古革命历史博物馆 / 通力电梯  
中国银行内蒙古支行 / OTIS电梯  
呼和浩特华润万象城 / 通力电梯  
呼和浩特海关技术中心 / OTIS电梯  
工商银行呼和浩特分行本部办公楼 / OTIS电梯

## 甘肃

GANSU

兰州盛达金城广场 / 迅达电梯  
兰州中心 / 通力电梯  
兰州融通西北宾馆 / 华升富士达电梯  
甘肃天水中心 / 通力电梯  
敦煌大酒店 / 通力电梯  
国网甘肃省电力公司 / OTIS机电电梯

## 新疆

XINJIANG

石河子党政机关 / 通力电梯  
新疆禾木康莱德希尔顿酒店 / OTIS电梯  
乌鲁木齐恒地金色城品 / 迅达电梯  
乌鲁木齐华美胜地丽思卡尔顿酒店 / 通力电梯  
乌鲁木齐人才大厦 / OTIS电梯  
阿勒泰地区布尔津县禾木景区吉克普林假日酒店 / 通力电梯

## 广西

GUANGXI

南宁九洲国际 / 通力电梯  
南宁天龙财富中心 / 蒂升电梯  
南宁卷烟厂 / 华升富士达电梯  
南宁东站 / 博林特电梯  
广西地铁1号线 / 迅达电梯

## 海南

HAINAN

海南中心 / 通力 / 蒂升电梯  
海南大厦 / 通力电梯  
海口棕榈广场 / 迅达电梯  
三亚亚特兰蒂斯酒店 / OTIS电梯  
三亚海棠湾洲际酒店 / 华升富士达电梯  
三亚凤凰岛 / OTIS机电电梯



国家高新技术企业  
National High-Tech Enterprise Certificate



专精特新企业  
Specialized, Refined, and Innovative Enterprises



企业创新奖  
Enterprise Innovation Award



电梯空调CCC认证证书25H机  
Elevator Air Conditioner CCC 25H Model Certificate



电梯空调CCC认证证书32H机  
Elevator Air Conditioner CCC 32H Model Certificate



杭州市高新技术企业  
Hangzhou High-Tech Enterprises



《匠心之路》展播企业  
Road of Ingenuity Broadcasting Company



CCTV质量先锋展示产品  
CCTV Quality Pioneer Displays Products



电梯空调CCC认证证书25S机  
Elevator Air Conditioner CCC 25S Model Certificate



电梯空调CCC认证证书32S机  
Elevator Air Conditioner CCC 32S Model Certificate

# 荣誉资质

HONORS AND AWARDS



ISO9001 质量管理体系认证证书  
ISO9001:Quality Management System Certification



ISO14001 环境管理体系证书  
ISO14001 Environment Management System Certification



电梯空调CE证书26机  
Elevator Air Conditioner CE 26 Model Certificate



电梯空调CE证书35机  
Elevator Air Conditioner CE 35 Model Certificate



电梯空调CE证书25H机  
Elevator Air Conditioner CE 25H Model Certificate



电梯空调CE证书32H机  
Elevator Air Conditioner CE 32H Model Certificate



电梯空调CE证书25S机  
Elevator Air Conditioner CE 25S Model Certificate



商标注册证  
Trademark Registration



ISO45001职业健康安全管理体系证书  
ISO45001 Occupation Healthy Safety Management System Certification



电梯空调CCC认证证书09机  
Elevator Air Conditioner CCC 09 Model Certificate



电梯空调CE证书32S机  
Elevator Air Conditioner CE 32S Model Certificate



安全型式试验报告  
Elevator Air Conditioning Safety Type Test Report



电磁兼容型式试验报告  
Elevator Air Conditioning EMC Type Test Report



空气净化器检验报告  
Air Purifier Test Report



空气净化器检验报告  
Air Purifier Test Report



科技型中小企业  
Small Scientific Company Certificate



电梯空调CCC认证证书26机  
Elevator Air Conditioner CCC 26 Model Certificate



电梯空调CCC认证证书35机  
Elevator Air Conditioner CCC 35 Model Certificate



电梯空调发明专利证书1  
Elevator Air Conditioner Invention Patent Certificate 1



电梯空调专利证书2  
Elevator Air Conditioner Patent Certificate 2



电梯空调专利证书3  
Elevator Air Conditioner Patent Certificate 3



电梯空调专利证书4  
Elevator Air Conditioner Patent Certificate 4



电梯空调专利证书5  
Elevator Air Conditioner Patent Certificate 5