

 Service Line /400-826-1112



XEC SERIES ESCALATOR/TRAVELATOR
XEC系列 扶梯/人行道

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UN-1511



XIZI 西子电梯



**西子联合旗下企业 领先的装备制造
中国500强企业**

2009年中国500强企业
2010年中国500强企业
2013年中国500强企业

公司概况：
总资产:312亿元
员工数量:1万人
总部位于中国杭州

Leading equipment manufacturing company
Top 500 Chinese Company
2009 Top 500 Chinese Company
2010 Top 500 Chinese Company
2013 Top 500 Chinese Company

Company Profile:
Total asset:31.2 billion Yuan
Number of employees:10 thousand
Headquartered in Hangzhou, China



ESCALATOR SAFETY XEC系列

XEC系列一体式驱动扶梯是西子优耐德电梯有限公司最新推出的安全扶梯产品。该梯型采用了西子优耐德公司最先进的技术，具有先进创造力的技术团队和高水准的加工制造工艺制造而成，从而保证了产品的高性能和高质量。

XEC系列扶梯采用一体式驱动、编码器测速、减震设计，使之具有安全可靠、传动高效、乘坐舒适的性能；XEC-6000系列一体式驱动扶梯成就您安全舒适的电梯生活。

XEC Series integrated drive escalator is the latest safety escalator product that launched by Xizi Unite Elevator Co., Ltd. It is adopted the most advanced technology of Xizi Unite, and manufactured by the technical team with advanced creativity and high level of manufacturing process, to assure product's high performance and high quality.

XEC Series escalator adopted integrated drive, encoder speed detect and damping design, so that it has the performance with safety, high efficiency and comfort. XEC-6000 series integrated drive escalator gives you a safe and comfortable lift-life.

一体式驱动扶梯是集西子电梯最先进的技术，高水准的加工制造工艺制造而成。

Integrated drive escalator is manufactured by the most advanced technology of Xizi and the most professional manufacturing process.

一体式驱动扶梯采用新型一体式驱动、整体吊装，从而保证了驱动的安全、高效，以及安装的方便。

Integrated drive escalator is adopted new integrated drive, integral hoisting, to assure drive's safety and high efficiency, and convenience of installation.

一体式驱动扶梯，采用主机减震设计，为您的乘梯带来舒适的感受。

Integrated drive escalator is adopted damping design, brings you a comfortable feeling.

XEC系列 XEC Series



XEC系列

XEC系列自动扶梯是西子优耐德电梯有限公司最新推出的安全扶梯产品。该梯型采用了西子优耐德公司最先进的技术，具有先进创造力的技术团队和高水准的加工制造工艺制造而成，从而保证了产品的高性能和高质量，采用一体式驱动、编码器测速、减震设计，使之具有安全可靠、传动高效、乘坐舒适的性能；XEC系列一体式驱动扶梯成就您安全舒适的电梯生活。

XEC SERIES

XEC Series integrated drive escalator is the latest safety escalator product that launched by Xizi Unite Elevator Co., Ltd. It is adopted the most advanced technology of Xizi Unite, and manufactured by the technical team with advanced creativity and high level of manufacturing process, to assure product's high performance and high quality. Adopt integrated drive, encoder speed detect and damping design, so that it has the performance with safety, high efficiency and comfort. XEC series integrated drive escalator gives you a safe and comfortable lift-life.

技术参数 Specifications

提升高度(mm) Rise	倾斜角度 Angle of Inclination	额定速度(m/s) Rated speed	梯级宽度(mm) Step width
≤10000	30°/35°	0.5	1000/800/600

主要配置 Main Configuration

主要部件 Main components	技术类型 Type
控制柜 Controller	微机控制 Micro control
桁架 Truss	挠度 Deflection 1/750 (1/1000; 1/1500)
一体式驱动 Machine	斜齿轮传动 Turbo-Worm/Helical gear
链条 Chain	滚轮内置 Roller inside
梯级 Step	不锈钢/铝合金 St. steel/Aluminum Alloy
滚轮 Roller	聚氨酯骨架滚轮 Polyurethane
扶手驱动 Main drive	大摩擦轮驱动 Big friction wheel
侧板 Side panel	整体焊接式 Overall welding
梯路 Track system	型材导轨 Profile rail
扶手带 Handrail	C型带 C type
扶手导轨 Handrail guide rail	不锈钢/铝合金 St. steel/Aluminum Alloy
扶手栏板 Balustrade	钢化玻璃/不锈钢 Toughened glass/St. steel
裙板/盖板 Skirt panel/Decking	不锈钢 St. steel
扶手入口 Handrail entry	铝合金 Aluminum Alloy
前沿板 Floor plate	不锈钢/铝合金 St. steel/Aluminum Alloy
梳齿 Comb	铝合金/工程塑料 Aluminum Alloy/Engineering plastics

性能&优势

PERFORMANCE & ADVANTAGES

XIZI 西子电梯



一体式驱动

- 杜绝主驱动链松断，主机移位等风险，驱动更安全。
- 采用高精度斜齿轮传动，传动更高效。
- 一体式安装精度高，后期维护简单、环保、成本低。
- 可靠、易调节的工作制动器。
- 主机减震装置，降低运行震动，乘梯更舒适。
- 低噪音。
- 获得多项发明专利、实用新型专利。

INTEGRATED DRIVE

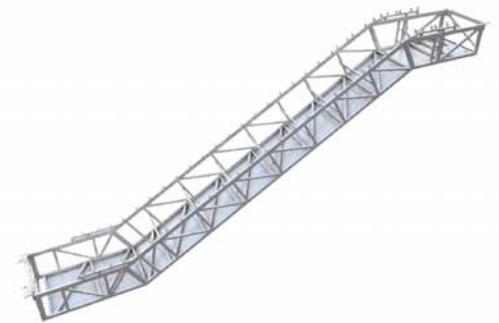
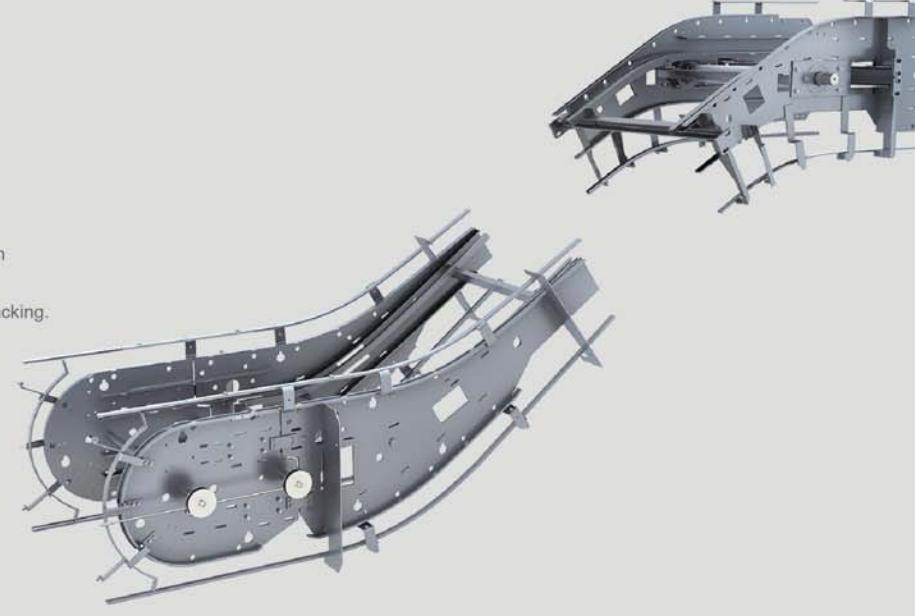
- Completely eradicate main drive chain break and motor shifting, safer.
- Adopt high-precision helical gearing: more efficient transmission.
- Integrated design installation with high accuracy, maintenance, simple, environmental, low-cost.
- Reliable, flexible working brake.
- Motor anti-vibration device, lower operation vibration, comfort riding.
- Low-noise.
- Acquire several patent for invention & utility model.

梯路系统

- 采用整体式上下侧板总成，精度高、运行平稳，镀锌导轨。
- 主导轨采用两侧带边防偏设计，有效防止梯路跑偏。
- 上下R曲率半径大，乘坐更舒适。

TRACK SYSTEM

- Adopt unitary upper and down side plate assembly & galvanization rail, precise, stable.
- Main guide rail: anti-deviation design, prevents step running off tracking.
- Large curvature radius provides more comfortable riding.



减速装置

- 采用高精度斜齿轮传动设计，比常规齿轮箱传动效率高10%，更节能。
- 制造精度高，可靠、少维护。

REDUCTION DEVICE

- Adopt high-accuracy helical gearing design, 10% higher transmission efficiency than conventional design.
- Precise manufacturing: reliable, less maintenance.

制动器

- 微动开关精度更高，抗冲击性更强。
- 制动力矩大，制动平稳。

BRAKE

- More accurate micro-switch, stronger impact resistance.
- Brake with larger torque smoothly.

编码器

- 采用进口编码器。
- 抗冲击性强，安全稳定。
- 测速精度提升8倍以上，运行更安全。

ENCODER

- Adopt imported encoder.
- Stronger shock resistance, stable, safe.
- Speed detection precision 8 times higher.

桁架

- 焊接可靠通过了EN1090认证。
- 方管式桁架良好的钢性，保证扶梯在长时间重负荷下稳定的运行，并能延长扶梯使用寿命。
- 具有更好的挠度和强度。
- 标准挠度1/750,可选挠度1/1000与1/1500。

TRUSS

- Welding certified by EN1090.
- Truss with square tube: high rigidity, guarantees stable operation under heavy load and longer service life.
- Better deflection and strength performance.
- Stand deflection:1/750, optional deflection: 1/1000, 1/1500.

性能&优势

PERFORMANCE & ADVANTAGES

XIZI 西子电梯



传动系统

- 采用高强度的板式链，耐油、耐磨的进口聚胺脂轮缘，适合人多、流量大的场合使用。
- 不锈钢梯级，经过黑色电泳漆、齿顶磨光、防滑处理。梯级主副轮采用双面密封轴承、欧盟进口聚胺脂材料，性能稳定，外形美观，安全可靠。

DRIVE SYSTEM

- Adopt high-strength leaf chain, oil & wear resistance imported PU roller rim; suitable for heavy traffic situation.
- Stainless steel step: electrophoretic black coating, polished, antiskid treatment.

控制系统

- 采用全面提升的32位微处理器，控制系统功能全面。
- 全方位的安全功能保护（安全完整性等级SIL2）。
- 双CPU容与设计。
- 自学习，自推测。
- 独立工频切换功能。
- 手机APP功能。

CONTROL SYSTEM

- Adopt completely improved 32-bits micro processor, fully functionality.
- All-round safety function protection (Safety integrity level SIL2).
- Dual-CPU design.
- Self-learning, self-speculating.
- Independent power frequency switch over.
- Smartphone APP support.



扶手驱动

- 大摩擦轮驱动，超强的扶手驱动力，保证扶手带与梯级同步运行

HANDRAIL DRIVE

- Big friction drive, the super drive power of handrail ensure handrail belt and step synchronization operation.



链条

- 高强度梯级传送链，能极大满足使用需要，设计寿命达70,000小时。

CHAIN

- High strength step chain, can greatly meet the requirements of use, the design life time reach 70000 hours.



梯级

- 防滑处理高强度不锈钢梯级。
- 采用国标或更高防火等级的梯级边框。
- 梯级进行动载试验2000万次，远超过国标要求。

STEP

- Anti-skidding treatment, high strength.
- National standard or higher level of fire.
- Step passes 20 million dynamic load test, far beyond national standard.



人机界面

- 铝合金扶手入口具有强度高、不变形、不老化，安全等级高等特点。
- 不锈钢内外倾斜式盖板，防止攀爬，安全更有保障。
- 玻璃栏板比常规更高，乘坐安全。
- 前沿板完美的结合，外观简洁大方。
- 冲压的长方形前沿板花纹，防滑等级高。

HUMAN INTERFACE

- Aluminum alloy handrail entry: stronger, no deformation or aging, higher security class.
- Stainless steel with inner and outer inclined decking avoids climbing.
- Glass balustrade higher than conventional design.
- Floor plate perfectly integrates into escalator, simple and elegant.
- Floor plate stamped with decorative patterns, anti-skidding .

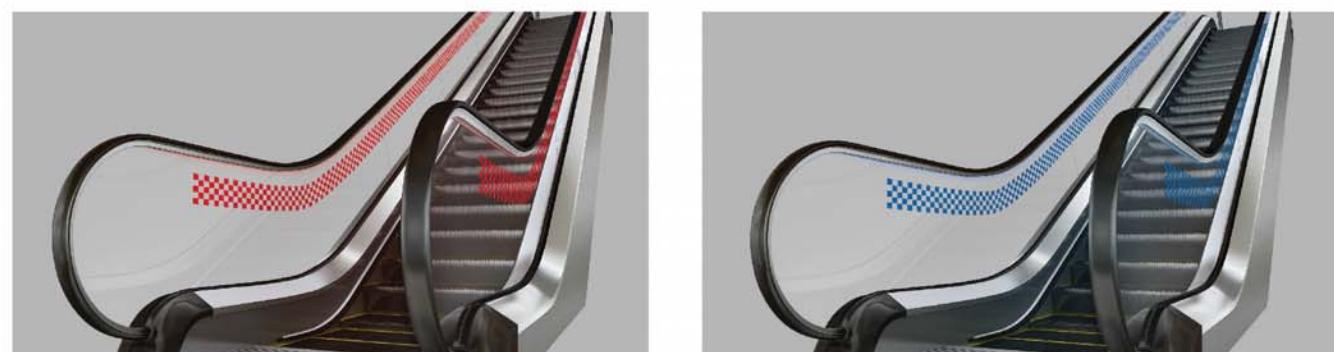
可选配置
OPTIONAL

扶手带 HANDRAIL BELT



黑色为标配 STANDARD COLOUR: BLACK

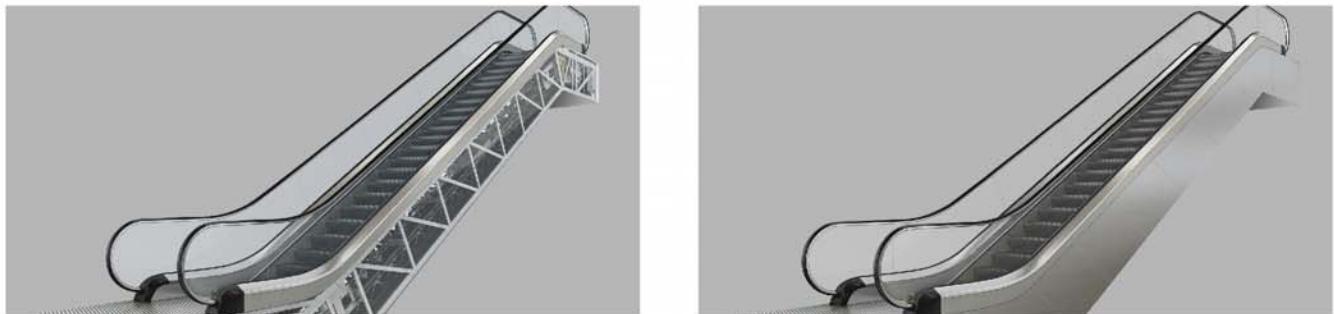
扶手照明 - P型 HANDRAIL LIGHTING - P TYPE



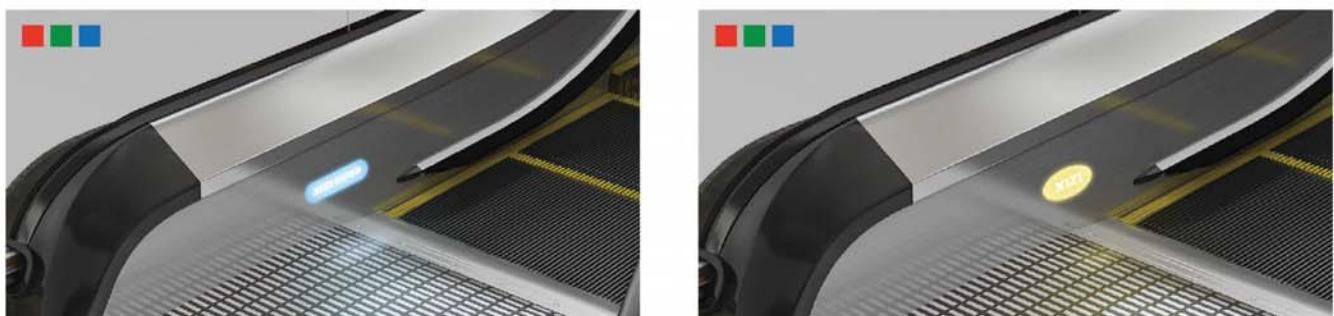
扶手照明 - S型 HANDRAIL LIGHTING - S TYPE



可选装潢 OUTER CLADDING



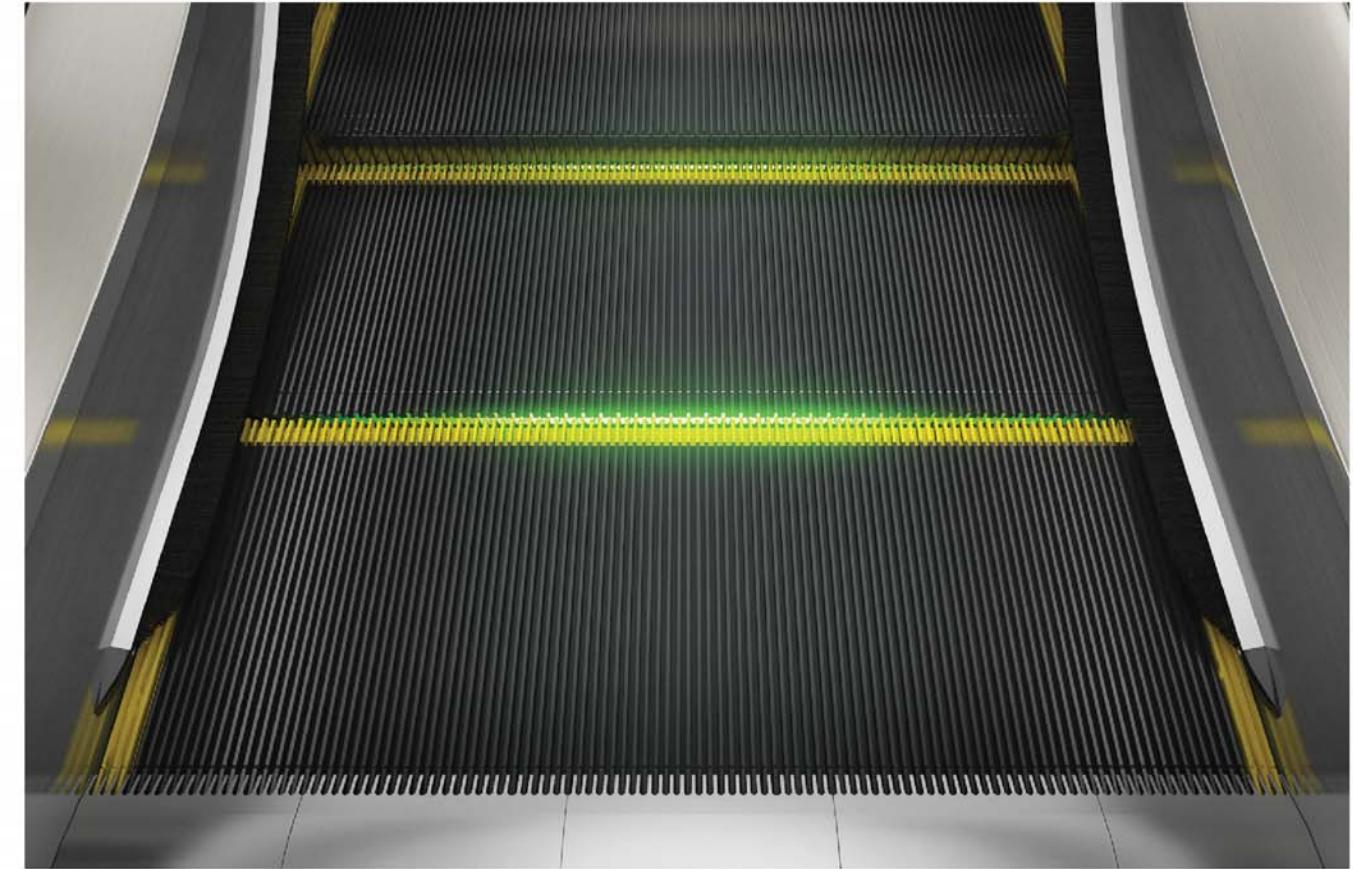
梳齿照明/裙板照明 COMB LIGHTING / SKIRT PANEL LIGHTING



可选配置
OPTIONAL



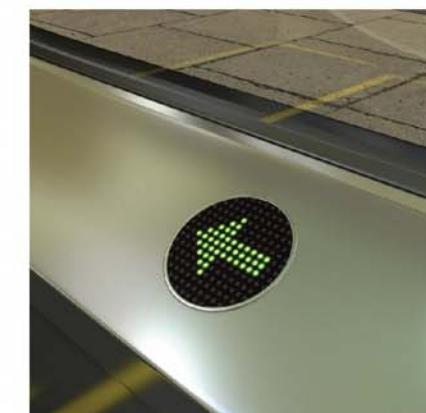
扶梯加热系统
ESCALATOR HEATING SYSTEM



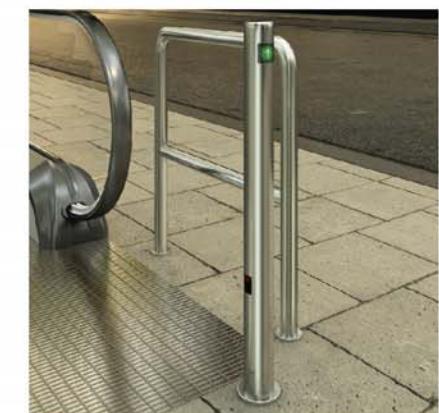
梯级照明 STEP LIGHTING



交通流量灯 - O型
TRAFFIC FLOW LIGHT - O TYPE



交通流量灯 - I型
TRAFFIC FLOW LIGHT - I TYPE



多功能立柱
MULTI - FUNCTION PILLAR

功能选项

OPTIONAL FUNCTION

扶梯及人行道可提供三种节能样式

- 智能变频节能模式
- 智能变频自启动模式
- 智能自启动模式

多方式实现节能效果，为您提供贴心的选择



Escalator and travelator can provide three kinds of energy-saving mode

- Frequency conversion energy-saving mode
- Intelligent variable frequency mode
- Intelligent self-start running mode

Achieve the energy-saving effect, gives you close choice

节能方法 Energy-saving mode	变频节能模式（选配） Frequency conversion energy-saving mode (Standard configuration)	智能自启动（选配） Intelligent self-start (Selected by payment)	智能可变速系统（选配） Intelligent variable speed system (Selected by payment)
空载节能效果 Non-load energy-saving effect	大于60% Larger than 60%	大于70% Larger than 70%	大于80% Larger than 80%
机械寿命 Mechanical life	延长 Extend	延长 Extend	延长 Extend
噪音 Noise	小 Small	小 Small	小 Small



消防功能（选配）

配备消防喷淋系统，自动感应到异常状态时即会启动。

FIRE PROTECTION (OPTIONAL)

With fire sprinkler system, will start when abnormal situation is detected automatically.



维保管理系统（选配）

维保管理系统能够自动检测扶梯运行并发送短信，提醒维护。

MAINTAIN MANAGEMENT SYSTEM (OPTIONAL)

Maintain management system can automatically detect the running situation of escalator and send the message by mobile phone to remind maintain.



能耗反馈系统（选配）

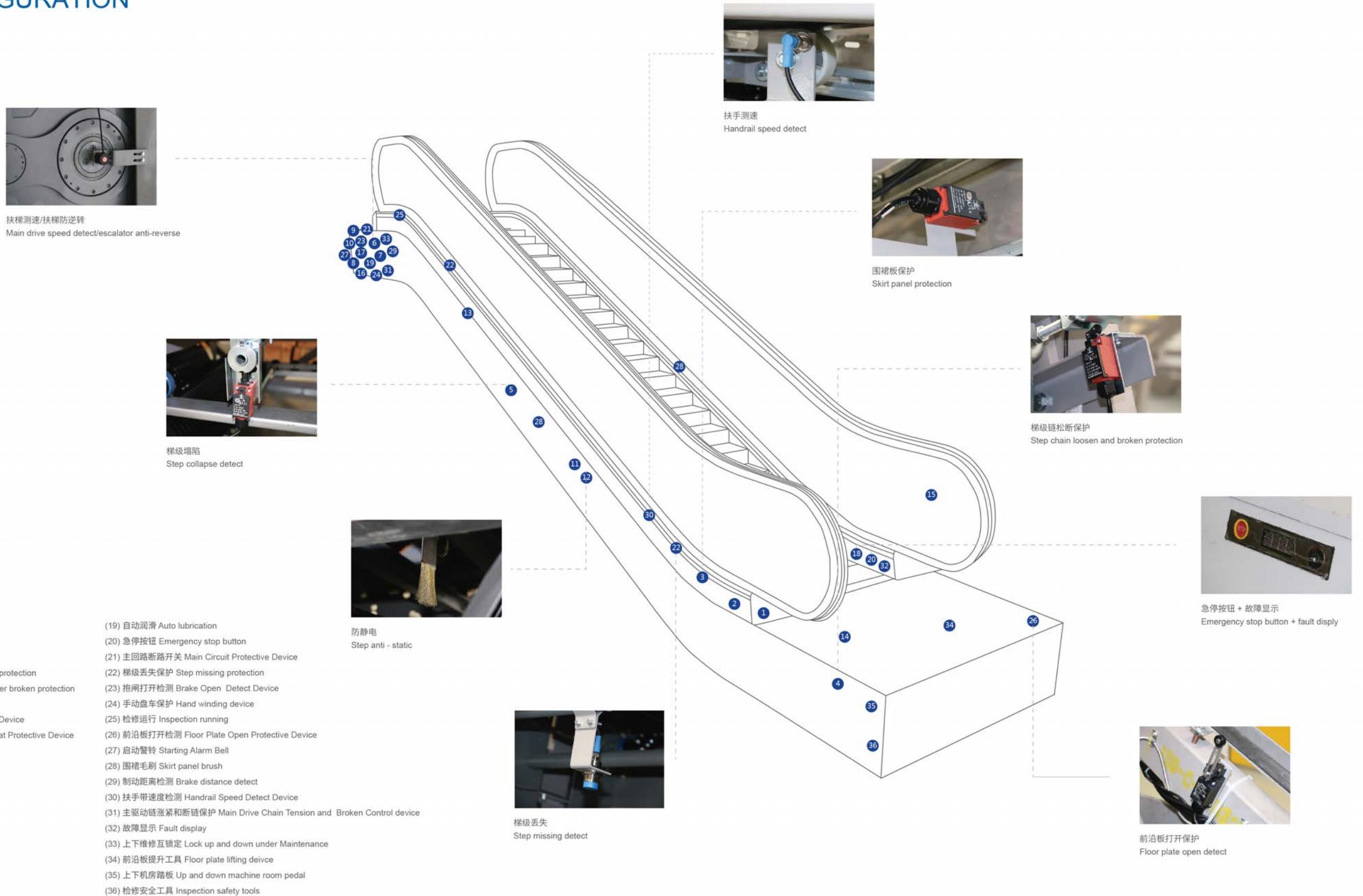
能耗反馈系统，准确反馈扶梯运行能耗，确保扶梯始终处于良好状态。

ENERGY FEEDBACK SYSTEM (OPTIONAL)

Energy feedback system accurate feedback escalator running energy consumption, to ensure that the escalator has always been in good condition.

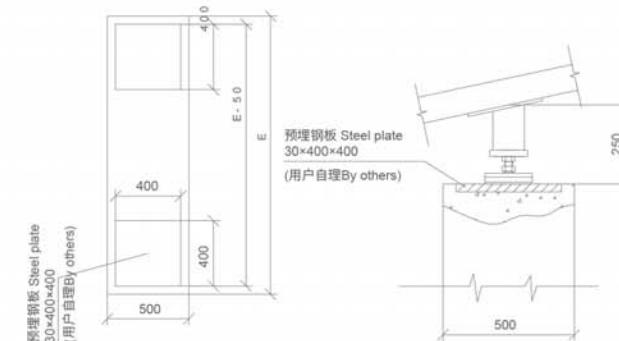
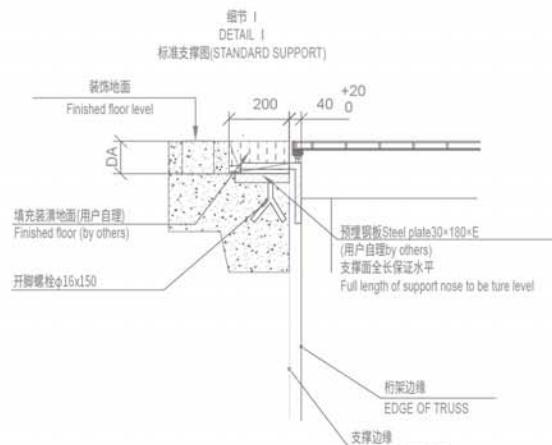
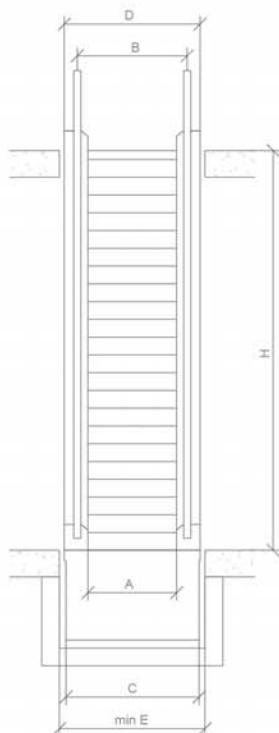
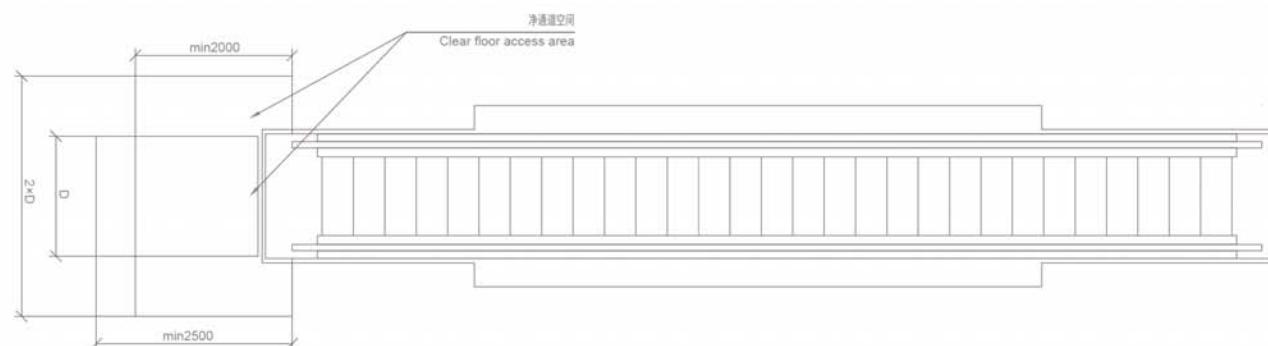
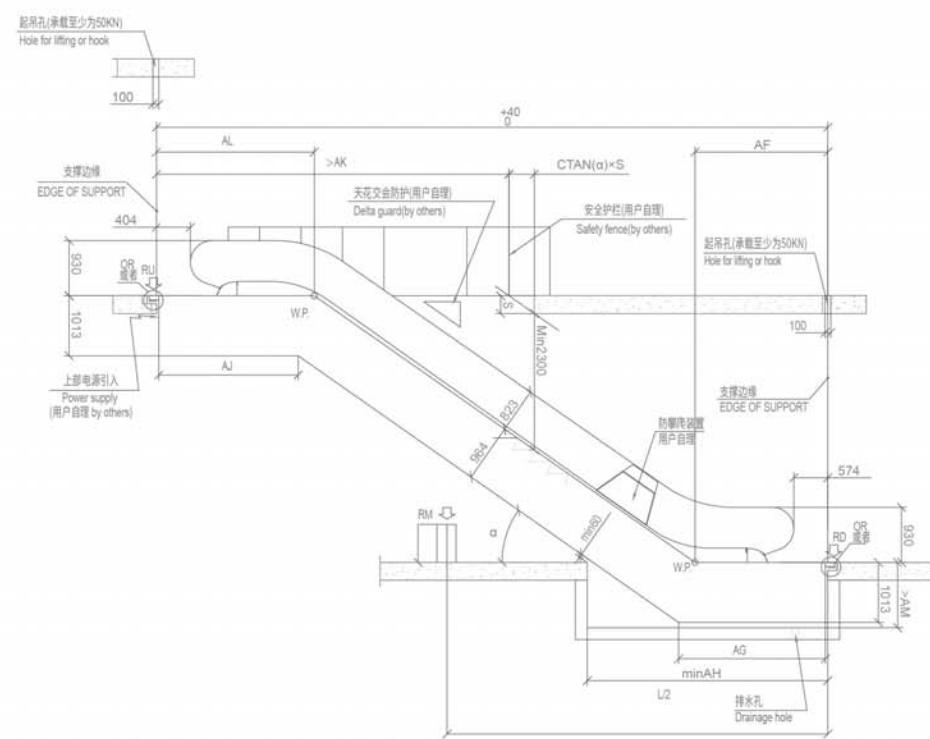
安全配置

SAFETY CONFIGURATION



XEC系列自动扶梯 - 土建图

LAYOUT DRAWING - COMMERCIAL ESCALATOR



室内、室外A标配 For Indoor/Outdoor model A	1103	标配不含减震垫 Without Shock absorbing rubber	108
室外B包加配油水分离器时 For Outdoor model B with Oil separator	1353	加配减震垫 With Shock absorbing rubber	128
AM		DA	

角度 REACTIONS 反力 (kN)	30			35		
	梯级宽度 STEP WIDTH	2个支撑点 2 supports L单位m	3个支撑点 3 supports L单位m	H≤6000(2个支撑点) 2 supports L单位m	H>6000(3个支撑点) 3 supports L单位m	
1000	RU= 4.96L+17 RD= 4.96L+10	RU= 2.3L+13.6 RD= 2.3L+7.1	RU= 5.11L+13 RD= 5.11L+5			
	RM= 7.16L+4.9					
	RU= 4.31L+18 RD= 4.31L+10	RU= 2.02L+13.2 RD= 2.02L+6.8	RU= 4.41L+15 RD= 4.41L+9			
800	RU= 3.66L+27 RD= 3.66L+22	RU= 2.02L+13.2 RD= 2.02L+6.8	RU= 3.76L+18 RD= 3.76L+12			
	RM= 6.33L+4.8					
	AM	DA				

* 土建跨距允许缩短, 具体尺寸咨询我司 Span can be shorter, details please contact sales

业主和土建承包商应完成的工作:

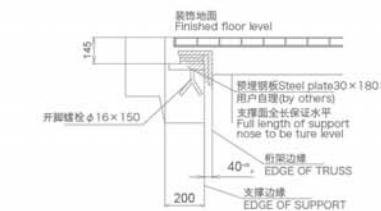
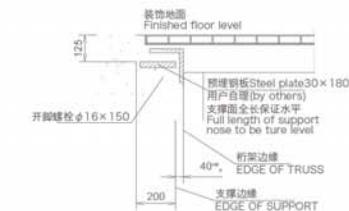
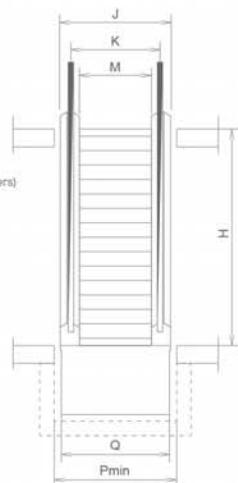
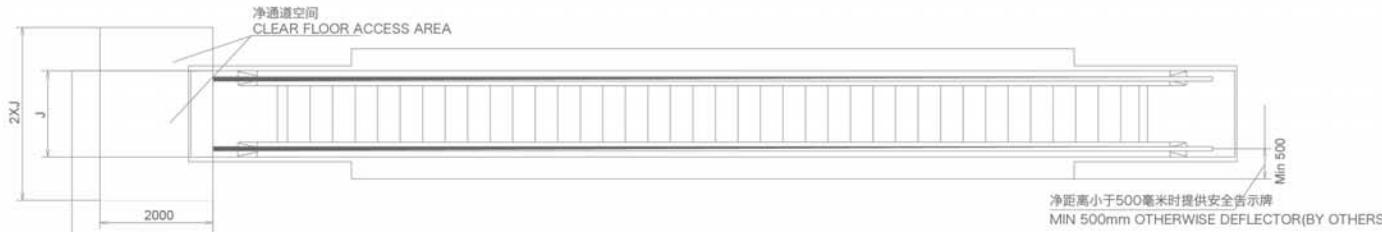
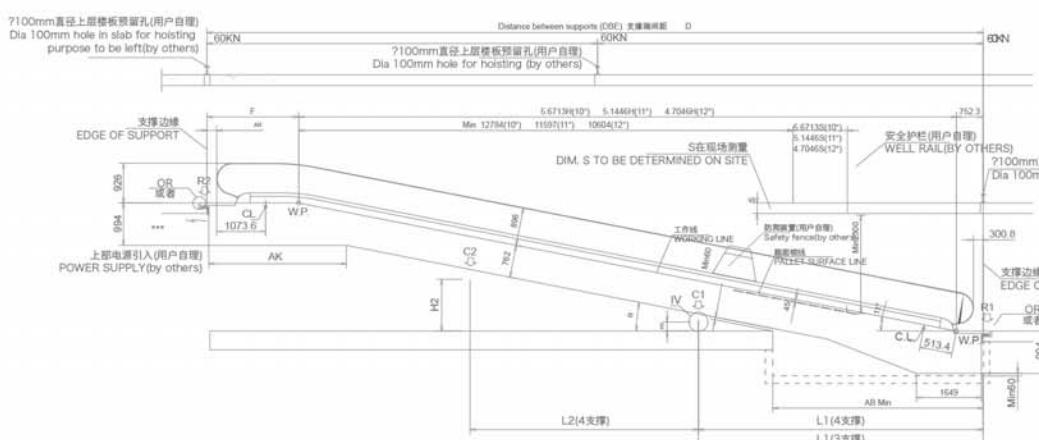
- 1.本图适用提升高度H≤6米, 允许偏差-15mm~+15mm。
- 2.当水平跨度L>15.3米时需加1中间支撑, 位置基本居中。
- 3.安装之前, 所有洞必须设有高度不小于1.2米的安全防护围封, 并应保证有足够的强度。
- 4.底坑内应防水, 排水孔应设在墙角处。
- 5.根据技术参数表中的要求配备电源, 电源应设保护的开关且锁并把线拉到上机房, 电源波动范围不应超过±7%。电源零线和接地线应分开, 且接地电阻值不大于4Ω。
- 6.当扶手中心线与任何障碍物之间的距离小于500mm时, 用户需在外盖板上方设立一个无锐利边缘的垂直防碰撞挡板, 高度不小于300mm。
- 7.用户如有特殊要求, 需经厂家技术认可, 方可签约。
- 8.土建必须满足扶梯或人行道相关使用规范和标准。
- 9.预留3米长, 10平方电源线, 客户自理。

THE WORK THAT CUSTOMER AND CONTRACTOR HAVE TO DO:

1. This drawing is fit for the products which rise H≤6m, the permitted tolerance is -15mm~+15mm.
2. One middle support is needed when span L>15.3m, location in the middle of the span.
3. There should be anti water inside pit. The location of plash should be at the basement.
4. The corresponding parameter about machine should reference SEB.
5. According to the requirement of the technology data, the power supply with the safety switch is setting at the machine room. The fluctuation of voltage can not over than ±7%. The N wire and earth wire should be separated and the ground resistance is not more than 4 Ω.
6. When the distance between handrail middle line and any barrier less than 500mm, there should have vertical baffle to anti-collision, the baffle should no sharp edges, the height should not less than 300mm.
7. If the customer have any special request, should contract after being agreed by the company technology.
8. Constructions should conform with the relevant regulations & codes of the usage of escalators and moving walks.
9. 3m reservation, 10mm² power line solved by users.

XEC系列自动人行道 - 土建图

LAYOUT DRAWING - TRVELATOR



细节 I DETAIL I
标准支撑图 (STANDARD SUPPORT)

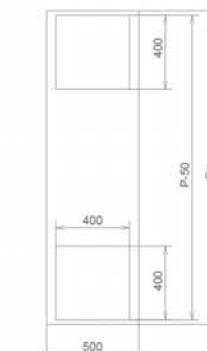
细节 II DETAIL II
带防震橡胶垫的支撑图
(ARRANGEMENT WITH ANTI-VIBRATION RUBBER PADS)

业主和土建承包商应完成的工作:

- 本图适用提升高度H≤6米,允许偏差-15mm~+15mm。
- 当水平跨度L>15.3米时需加1中间支撑,位置基本居中。
- 安装之前,所有洞必须设有高度不小于1.2米的安全防护围封,并应保证有足够的强度。
- 底坑内应防水,排水孔应设在墙角处。
- 根据技术参数表中的要求配备电源,电源应设保护的开关且上锁并把线拉到上机房,电源波动范围不应超过±7%。电源零线和接地线应分开,且接地电阻值不大于4Ω。
- 当扶手中心线与任何障碍物之间的距离小于500mm时,用户需在外盖板上方设立一个无锐利边缘的垂直防碰挡板,高度不应小于300mm。
- 用户如有特殊要求,需经厂家技术认可,方可签约。
- 土建必须满足扶梯或人行道相关使用规范和标准。
- 预留3米长,10平方电源线,客户自理。

THE WORK THAT CUSTOMER AND CONTRACTOR HAVE TO DO:

- This drawing is fit for the products which rise H≤6m, the permitted tolerance is -15mm~+15mm.
- One middle support is needed when span L>15.3m, location in the middle of the span.
- There should be anti water inside pit. The location of plash should be at the basement.
- The corresponding parameter about machine should reference SEB.
- According to the requirement of the technology data, the power supply with the safety switch is setting at the machine room. The fluctuation of voltage can not over than ±7%. The N wire and earth wire should be separated and the ground resistance is not more than 4 Ω.
- When the distance between handrail middle line and any barrier less than 500mm, there should have vertical baffle to anti-collision, the baffle should no sharp edges, the height should not less than 300mm.
- If the customer have any special request, should contract after being agreed by the company technology.
- Constructions should conform with the relevant regulations & codes of the usage of escalators and moving walks.
- 3.3m reservation, 10mm2 power line solved by users.



中间支撑详图(俯视图)
Intermediate Support Detail

3.1D+10	3.1D+9.2	1.3D+17	1.3D+9	3.45D+5.2	3.45D+5	1.5D+15	1.5D+6	4
—	5.2D+8.2	1.9D+17	1.9D+8	—	6.1D+4.2	2.2D+14	2.2D+5	3
—	—	4.25D+18	4.25D+8.2	—	—	4.9D+14	4.9D+6.2	2
C2	C1	R2	R1	C2	C1	R2	R1	支撑数量 No. of supports
800							1000	踏板宽度 Pallet width (mm)

支点反力 Reaction to support in KN (D in m) (1KN=100kg)

(L1+L2-752.3)x0.2126-1030	(L1-752.3)x0.2126-1030	(L1-752.3)x0.2126-1030	(4.7046H+2937.8) + 0 0	4632.8	304.8	3262	2185.8	1300	1430	805	1037	1330	800	12°
(L1+L2-752.3)x0.1944-1027	(L1-752.3)x0.1944-1027	(L1-752.3)x0.1944-1027	(5.1446H+2901.8) + 0 0	5060.3	300.8	3230	2149.8	1300	1430	805	1037	1330	800	11°
(L1+L2-752.3)x0.1763-1024	(L1-752.3)x0.1763-1024	(L1-752.3)x0.1763-1024	(5.6713H+2865.8) + 0 0	5587.8	296.8	3198	2113.8	1300	1430	805	1037	1330	800	10°
H2	H1	H1	D AB AR AK F Q Pmin M K J 类型 ANGLE											倾斜角度 ANGLE
4支撑/4supports			3支撑/3supports											倾斜角度 ANGLE
中间支撑梁高度 Height of support														

* 土建跨距允许缩短, 具体尺寸咨询我司 Span can be shorter, details please contact sales