



VERTICAL GROUP
ASCENSORES

ELEVATOR
COMMERCIAL ESCALATOR

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Escaleras Eléctricas

COMMERCIAL ESCALATOR

商用型扶梯传承创新，融合人性化至上的理念，精良的梯路、带路设计，运行平稳而舒适；庄重大气的扶手入口集成了交通流向灯，别具亮丽动感；扶手、内外盖板、裙板、前沿板的完美衔接，大圆弧端部扶手圆转过渡，浑然天成、大气俊朗。

该扶梯广泛用于医院、高档写字楼、豪华公寓、高档酒店、中央商务区（CBD）、大型购物中心、公共设施等场所，为现代建筑增添一道流光溢彩的风景线。

Unite commercial escalator goes in for inheritance and innovation, incorporating the design idea of supreme humanization, sophisticated design of step route and band route, smooth and comfortable operation; the grand and rounded handrail entry is integrated with traffic flow lights, generating unique dynamic and beautiful effects; the perfect convergence of handrail, interior and exterior cover plates, the engagement with and transition from skirt plates and front edge plates, handrail rotation and in large circular arc with equal radius are in natural way with generous appearance.

LCS-S is widely used in the premises—hospital, high-class office buildings, luxury apartments, high-grade hotel, central business district (CBD), large-scale shopping center, public and etc. to add a flowing scenery line for the modern buildings.

Handrails optional color



黄色HF14
Cream-colored



红色HF93
Red



橙色HF34
Orange



蓝色HF36
Blue



绿色HF25
Green



黑色
Black





Basic Specifications	
最大提升高度 Max rise	8m(30' inch) (by)
角度 Angle	30° /30° (with 0.9m)
梯级宽度 Step width	300mm/300mm/300mm
扶手型式 Handrail type	高摩擦 51m type
速度 Speed	0.5m/s
梯级宽度 Escalator width	1530mm/1330mm/1130mm
使用环境 Using environment	室内室外 Indoor/Outdoor
控制方式 Control methods	标准配置 频率自启动 变频调速 变频自启动 Standard config: speed self-start, variable frequency low-speed and variable frequency self-starting

Standard Configuration	
主机 Machine	国产 Domestic
控制系统 Control system	微处理器控制 Microprocessor control
盖板 Deck	SUS304
裙板 Skirt panel	SUS304
扶手支架 Handrail bracket	SUS304
扶手带 Handrail	优质国产 Domestic
扶手入口 Handrail entry	铝合金 Aluminum alloy
踏步板 Floor plate	不锈钢 Stainless steel
梯级 Step	不锈钢梯级 Durable steel steps
裙板厚度 Skirt plate height	10mm
栏板高度	900mm
裙边 Cover	工程塑料
扶手驱动 Handrail drive	大摩擦轮 Large friction wheel

Optional Configuration	
主机 Machine	合资 Joint venture
盖板 Deck	SUS304
裙板 Skirt panel	SUS304 黑色喷涂钢板 Black painting steel
扶手支架 Handrail bracket	SUS304 铝合金 Aluminum alloy
扶手带 Handrail	合资 Joint venture
踏步板 Floor plate	不锈钢 Stainless steel
梯级 Step	铝合金梯级 Aluminum alloy step

Keep safety in mind ,Love and care in material

多达25项的安全防护措施，尽量避免各种意外情况的发生。
More than 25 items safety preventive measures to prevent all kinds of the accidents.

Optional safety devices

辅助制动 Step lighting
附加制动器 (>6m标配) Auxiliary brake device (> 6m standard configuration)
交通流量灯显示 Traffic flow light display
扶手带保护 Handrail broken protection
扶手照明 Handrail lighting
梳齿照明 Comb lighting
裙板照明 Skirt plate lighting



标准安全装置

- (1)超速保护 Overspeed protection
- (2)梳齿保护罩 Comb plate protection
- (3)梯级链轮保护 Step chain safety switch
- (4)梯级链轮及滚轮速度保护 Step safety switch and step roller switch
- (5)扶手入口保护 Handrail entry safety device
- (6)驱动链轮保护 Main drive chain broken control contact
- (7)非操纵逆转保护 Non-manipulated reverse rotation protection
- (8)电机过载保护 Motor overload protective device
- (9)梯级缺失保护 Step missing detect device
- (10)裙板翘翘保护 Skirt-falure-reverse device
- (11)裙板翘翘保护 Skirt panel protective device
- (12)自动报警显示 Automatic failure display
- (13)扶手带防静电刷 Handrail anti-static brush
- (14)梳齿防静电刷 step anti-static brush
- (15)梯级防上跳保护 Step anti-rebound device
- (16)裙板毛刷 Skirt plate brush
- (17)机罩护梯 Machine room protective device
- (18)制动闸未关闭保护 Brake open detect device
- (19)急停按钮 Emergency stop button
- (20)主回路断路器 Main circuit protective device
- (21)操作装置 OMD Protective device
- (22)防触电装置 Alarm bell
- (23)自动润滑装置 Automatic Lubricator
- (24)裙板打开检测 Floor plate open protective device
- (25)扶手速度 Handrail speed detect device

Note: The drawings are for reference only, actual product may differ.



Advanced Intelligent Computer Control System 先进智能的微机控制系统

- ※ 微机系统控制的安全开关高而快捷的各个关键部分。
- ※ 对整机的运行状态保持不间断的监控。
- ※ 智能诊断故障。

Safety switches controlled by the computer system are provided for all the key parts of the escalator.
Keep constant monitoring for the operating status of the complete machine.
Intelligent diagnose fault.



Elastic larger friction wheel handrail drives 柔性的大摩擦轮扶手驱动

- ※ 多楔带结构，摩擦包角达140°-160度
- ※ 扶手运行平稳轻柔，经久耐用
- ※ 平行度高，不受电梯弹性变形影响

Multi-V-belt structure, friction angle up to 140°-160°
Handled belt with smooth, rubber cover, wear resistant
Higher depth of parallelism. Can not be affected by the elastic deformation of truss.



High Precision Bilaterally Oriented Structural Section Guide Rail System 高精度的双边导向型材导轨系统

- ※ 大宽度的平面导轨，实现精准的高精度垂直定位。
- ※ 有效保证导轨与踏板间保护罩小间隙，降低裙板与梯级间隙异物夹入的危险性。
- ※ 更好地防止梯级跑偏。

Shouldered guide rail system of large cross-section achieves high precision transverse positioning of steps.
Ensure effectively the minimum clearance between the steps and the slot plates. Decrease the risks of clearance narrowing the requirement between the slot plates and the steps.
More effectively prevent from step runs to be misaligned.

High-efficiency machine drive System 高效主机驱动系统

- ※ 驱动力强劲，可靠
- ※ 制动及时，可靠
- ※ 节能调速电机
- ※ 高效率电动机

Powerful and stable driving force
Timely and reliable braking
Low noise speed reducer
High-efficiency motor



Diversified Energy Saving Mode 多元化的节能模式

三种节能模式可供选择:

1. 变频低速到高速; 节能Max30%
2. 变频自启动(低速到高速); 节能Max45%
3. 标准自启动(低速到高速); 节能Max50%

There are three optional energy-saving modes:

1. Frequency conversion from low to high speed; energy-saving 30% max.
2. Frequency conversion self-starting system (zero speed to high speed); energy-saving 45% max.
3. Standard self-starting system (zero speed to high speed); energy-saving 50% max.



Flat and easily installable stainless steel cover plates 平整易装的不锈钢盖板

自主开发的独特外盖板支撑架，保证外盖板连接的平整度和牢固度，调整和拆卸最为方便。

The independent development of unique flat supporting frame, ensure the smoothness and firmness for the correct the cover plates, adjustment and disassembly are extremely convenient.



Streamlined aluminum alloy armrest entrance 流线型铝合金扶手入口

流线型铝合金结构，外形更加典雅，同时也更为安全可靠。
Streamlined aluminum alloy structure, more elegant appearance, but also more secure and reliable.



