Local agent contact information

Schumacher Elevator Company

A SAUD Alliance

UNITED SAUD GROUP

Schumacher 舒 马 克

SCHUMACHER ELEVATOR (ZHANGJIAGANG) CO.,LTD.

Add: No.9 Binjiang Road,Zhangjiagang Free Trade Zone,China.
Tel : 0512-58318768 58331373
Fax : 0512-58333332
E-mail : office@sch-elevator.com.cn
Web : www.sch-elevator.com.cn
Post Code : 215633

SCHUMACHER ELEVATOR COMPANY

Add: One Schumacher Way Denver, Iowa 50622
Tel : (319)984-5676
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SCHUMACHER ELEVATOR BANGLADESH (United Saud Group)

Add: House-1168, Road-10, Avenue-12, Mirpur DOHS, Dhaka, Bangladesh.
Tel: +880 9617 888555
Mobile: +88 019222 555 88
Web: www.saudelevetor.usg.one

About Schumacher

Schumacher USA

Schumacher elevator headquarters in American central Iowa, the company now has used in hydraulic elevator mezzanine and a complete production line of high-rise building elevator and escalator, is one of the most important, USA in high-rise building elevator supplier, in the national market share of more than 20%, at present Schumacher in North America, Europe and Asia has a production base.

Founder William and Bertha Schumacher

Head office-Schumacher USA

Elmer and Earl Schumacher

Current CEO Marvin Schumacher

Schumacher USA has been committed to research and development, have three research and development centers over the world, listed below:
Denver, USA - built a worldwide ultra high speed elevator tower experiment, by vibration, noise, pressure, etc. of tests to ensure the safety of ultra high-speed equipment and related parts.
Stuttgart, German - has a global pool of experts.
China - have academicians and experts workstations, postdoctoral, graduate students workstations, is one of the national drafting unit of elevator standard.

Schumacher China

Schumacher Elevator (Zhangjiagang) Co., Ltd. was established in 1992, belonged to Changjiang Runfa Group, professional manufacturer of elevators, escalators, moving walkways. In December 2002, Runfa group signed a joint venture agreement with Schumacher Elevator company, a nearly century-old elevator manufacturer in USA, Schumacher USA use of advanced elevator production technology, the performance of the products reach the world advanced level, the products are exported to more than 40 countries and areas, such as United States, Australia and so on.

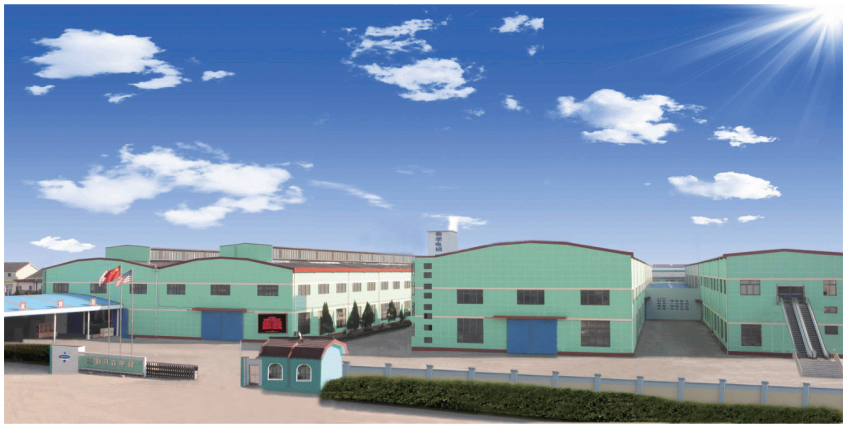
Sigbed into a joint venture

The company now covers an area of 300 acres, plant area of over 100,000 square meters, more than 400 employees, with American engineers as technical director, with annual production capacity of 50,000 sets elevators and escalators. We use Schumacher USA's advanced management system, and apply on-site "6S" management model.

Schumacher History

1. In 1936 the design and manufacture of elevator
2. In 1948 to become the main supplier America heavy industrial elevator and elevator parts
3. In 1960 the design and production of the lifting platform cab and power device
4. In 1970 to expand production lines, as America commercial building, hospital, hotel and apartment building large supply of elevator and started the production and installation of high speed elevator.
5. In 1980 the microprocessor control unit to control the elevator
6. Founded in Austria in 1987 the European production base
7. In 1990 launched the home elevator and large public traffic type escalator
8. In 1996 the establishment of the Mexico production base
9. Changjiang Runfa group co founded in 2002 and China production base
10. In 2006 China factory output 3000, global output 20000
11. In 2010 China factory output 5000, global output 30000
12. In 2012 the capital of $16800000
13. In 2013 China factory output 7000, global output 40000
14. In 2014 China factory output 10000, global output 48000
15 Replenishment of 49.8 million dollars
16 Start to rebuild 108 meter test tower

108 meter test tower



Schumacher china

Enterprise Qualification


营业执照
（副 本）

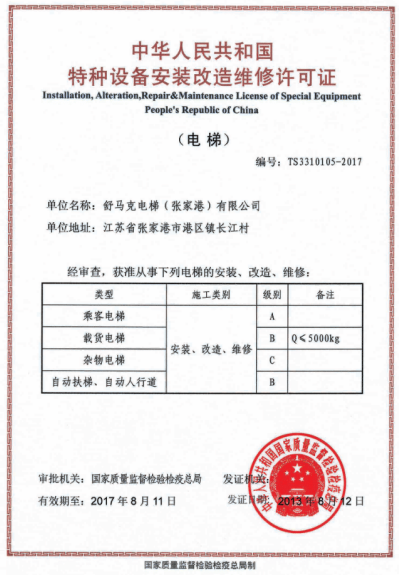

中华人民共和国外商投资企业
批准证书
CERTIFICATE OF APPROVAL


中华人民共和国
特种设备制造许可证
Manufacture License of Special Equipment
People's Republic of China
（电 梯）
编号：TS2310252-2017

单位名称：舒马克电梯（张家港）有限公司
单位地址：江苏省张家港市金港镇长江村
制造地址：江苏省张家港市金港镇滨江路 9 号
经审查，获准从事下列电梯的制造：

类型	级别	型式	型号/参数
乘客电梯	A	无机房客梯	V≤1.75m/s
	A	曳引式客梯	V≤3.0m/s
	B	液先电梯	V≤1.75m/s
	B	病床电梯	V≤1.75m/s
载货电梯	B	曳引式货梯	Q≤5000kg
	B	无机房货梯	Q≤4000kg
	B	汽车电梯	Q≤3000kg
杂物电梯	C	杂物电梯	Q≤300kg
自动扶梯	B	自动扶梯	H≤10.0m
自动人行道	B	自动人行道	L≤36.74m

审批机关：国家质量监督检验检疫总局
有效期至：2017 年 8 月 11 日
发证日期：2013 年 8 月 12 日
变更日期：2014 年 8 月 22 日
国家质量监督检验检疫总局制


中华人民共和国
特种设备安装改造维修许可证
Installation, Alteration,Repair&Maintenance License of Special Equipment
People's Republic of China
（电 梯）
编号：TS3310105-2017

单位名称：舒马克电梯（张家港）有限公司
单位地址：江苏省张家港市港区镇长江村
经审查，获准从事下列电梯的安装、改造、维修：

类型	施工类别	级别	备注
乘客电梯	安装、改造、维修	A	
载货电梯		B	Q＜5000kg
杂物电梯		C	
自动扶梯、自动人行道		B	

审批机关：国家质量监督检验检疫总局
有效期至：2017 年 8 月 11 日
发证日期：2013 年 8 月 12 日
国家质量监督检验检疫总局制

Company Honor

Schumacher Elevator has passed the ISO9000 series certification, awarded the credible enterprises, Jiangsu Province AAA-level credible and trustworthy enterprises, China's elevator industry's top ten brands, green brand of choice for well-known international brands, high-tech products certificate, Jiangsu Province's new high-tech enterprises… and has about one hundred patents total, won the praise of the industry.


高新技术产品认定证书
产品名称：低密度节能紧凑型对重后置无机房电梯
产品编号：140582G1400N
承担单位：舒马克电梯（张家港）有限公司
有效期伍年
江苏省科学技术厅
二〇一四年十一月


江苏省高新技术企业
企业名称：舒马克电梯（张家港）有限公司
证书编号：GQ201432056820456
发证时间：2014年12月18日
有 效 期：三年


國際知名品牌
INTERNATIONAL FAMOUS BRAND

Company Honor

计量合格确认证书

CERTIFICATE FOR MEASUREMENT QUALIFIED

舒马克电梯(张家港)有限公司

经审核，确认你单位在产品质量和经营管理等方面的计量保证能力符合《江苏省企业计量确认规范》规定的要求，特发此证。

Upon audition, acertificate will be granted since the assurance ability for measurement in product quality, management and administration conformed to the requirements stipulated in "Specification for Measurement Assurance Confirmation of Jiangsu Province".

现给予以下编号 The Following Serial numbers will be granted:

No.（ 2015 ）量认企（苏）字（ 053510）号

JSMA 江苏省计量协会

发证单位盖章 Approved unit seal

批准日期 Date of Approval 2015-08-17

有效日期 Term of Validity 2020-08-16

苏州名牌产品证书

舒马克电梯（张家港）有限公司

你单位生产的下列产品被苏州市名牌产品认定委员会认定为2015年苏州名牌产品，特发此证。

产品名称：舒马克及图形牌乘客电梯

有效期：二〇一六年一月至二〇一八年十二月

苏州市名牌产品认定委员会

二〇一六年一月

江苏省民营科技企业

苏民科企证字 第 EC20151361 号

舒马克电梯（张家港）有限公司

经确认符合《江苏省发展民营科技企业条例》的有关规定，特发此证。

法定代表人：黄忠平

企 业 地 址：张家港市金港镇滨江路9号

证书有效期：伍年

江苏省民营科技企业协会

二〇一五 年十二月

Management System Certificate

质量管理体系认证证书

舒马克电梯（张家港）有限公司

GB/T 19001－2008/ISO 9001:2008

北京兴国环球认证有限公司

环境管理体系认证证书

舒马克电梯（张家港）有限公司

GB/T24001－2004/ISO14001:2004

北京兴国环球认证有限公司

职业健康安全管理体系认证证书

舒马克电梯（张家港）有限公司

GB/T28001-2011/OHSAS 18001:2007

北京兴国环球认证有限公司

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Schumacher Elevator (Zhangjiagang) Co., Ltd.

GB/T 19001－2008/ISO 9001:2008

Design Development and Production of Elevator (Products Obtain Productive Licenses)

Beijing Xingguo Global Certification Co., Ltd.

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Schumacher Elevator (Zhangjiagang) Co., Ltd.

Beijing Xingguo Global Certification Co., Ltd.

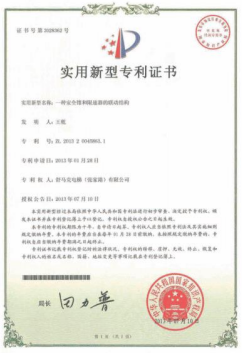
OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM CERTIFICATE

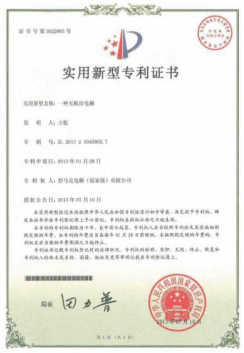
Schumacher Elevator (Zhangjiagang) Co., Ltd.

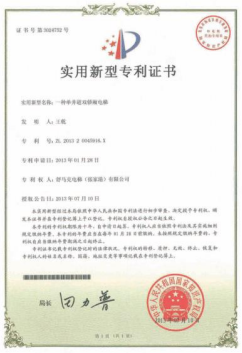
GB/T28001-2011/OHSAS 18001:2007

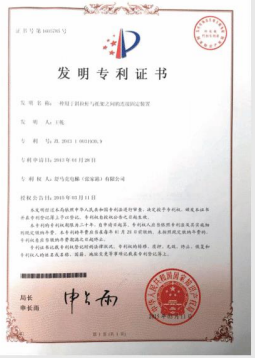
Beijing Xingguo Global Certification Co., Ltd.

Patent Certificate



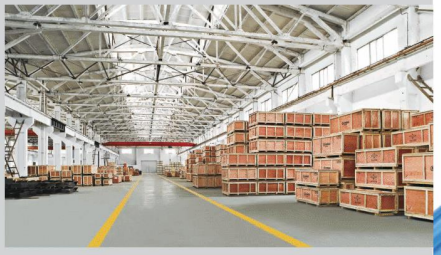






Production Device

Schumacher has the advanced production equipment, and fully ensure the product quality and reliability of products. Meanwhile, the company also actively introduces implementation lean production and other advanced production management methods. We are ready to work with our customer joint effort, and create a better tomorrow.

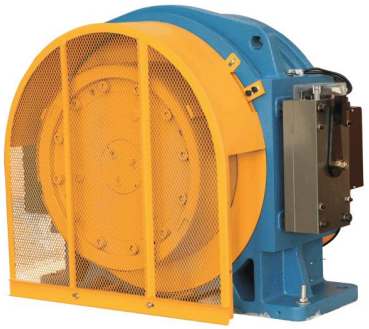


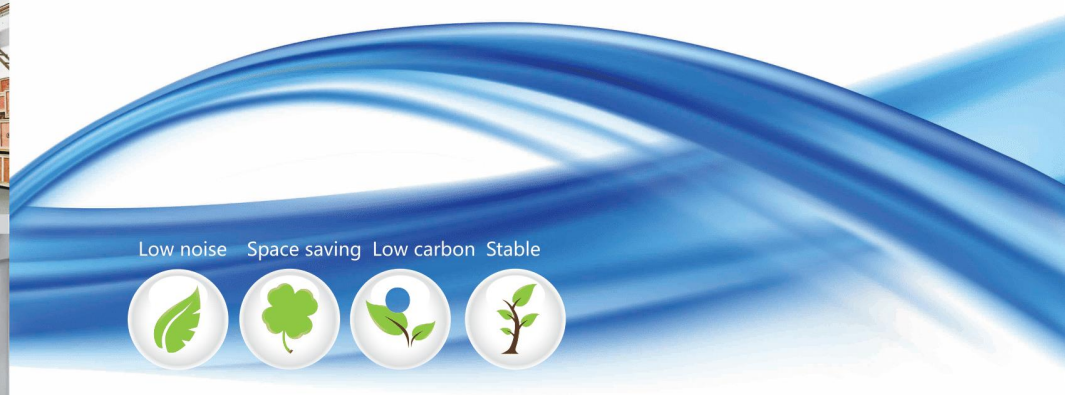
Workshop

Vertical Elevator Advanced Technology

Permanent magnetic synchronous gearless traction machine

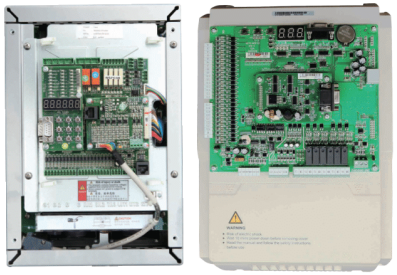
Permanent magnet synchronous traction technology is a new generation of low-carbon energy saving elevator core technology researched by Schumacher and motor manufacturer. Compared with traditional technology, this technology is with low-carbon energy, less space, low construction costs and low operating cost characteristics; Meanwhile easily achieve machine none-maintenance requirements.





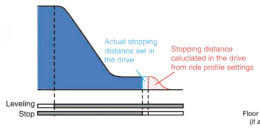
A new generation of highly efficient vector elevator inverter

Schumacher elevator apply VVVF technology, the elevator running power and power supply capacity will be significantly reduced, compared to conventional AC speed drag energy, will save nearly 20%.

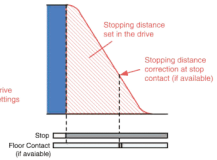


Apply high-performance current vector control and cosine encoders to achieve the torque compensation function, make the elevator more comfortable; elevator hoisting machine can be self-learning function, the elevator maintenance more simple and convenient; automatic torque boost function can easily cope with various elevator loads.

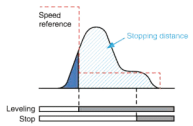
Inverter can automatically calculate the time, the shortest time positioning to reduce crawling time, the elevator run more efficiently, more smoothly. Short floor operation function, automatically crawling time reduced to a minimum.



Shorten running time example



Direct position control example



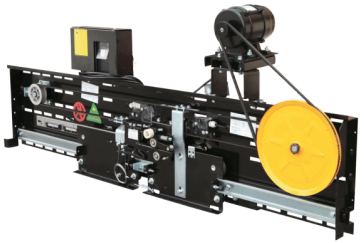
Short story operation example

Integrated control, safe and more energy-efficient

Schumacher elevator control cabinet, apply the concept of integration between elevator control and drive, the lift run more safe and efficient, more energy efficient and environmentally. In the design fully consider the interests of its clients demands with high performance-based.

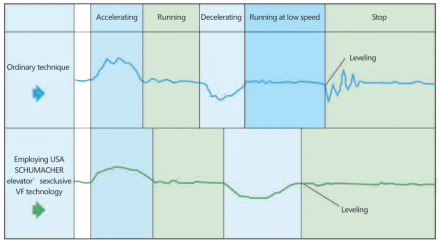
AC variable frequency door operator

Apply advanced technology VF door operator control systems, AC variable frequency motor and door mechanical system, not only to improve the safety and sensitivity of elevator operation, but also save energy consumption, adapted to the growing demands of modern transport.



Deceleration curve comparison

VF observation elevator use vector frequency transformer to full closed-loop control the elevator, the elevator greatly improved performance, lower operating power consumption, has a very superior cost performance



Destination group control system

System features:

Dynamically-scattered waiting
Automatic peak time identification
Dynamic peak time zoning service
Configurable service layer
Optional redeployment sterategy
Direct prediction function.

High Efficiency And Safety

It integrates various advanced dispatching technologies such as expert system,fuzzy logic and neural network, To ensure the high efficiency and safety of the elevator operation based on CAN BUS.

Comfort travel

Long waiting time can be effectively reduced by distributing the destination floor areas it also avoids the congestion and relaxes the anxiety of the passengers at waiting time.

Cost reduction

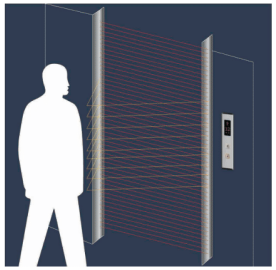
Efficiency can reduce the total number of building elevators, reducing the cost of building construction.

Energy saving and environment-friendly

Efficient scheduling of operations to reduce the total number of lift operations, reduce building energy consumption, energy saving.

Light Curtain Protection

Sensitive intensive infrared light curtains, form protection safety net in the elevator door， for any person or thing into its detection position，it will be sensitive reaction, greatly improving safety performance.



Remote fault diagnosis

Remote Guidance Module :

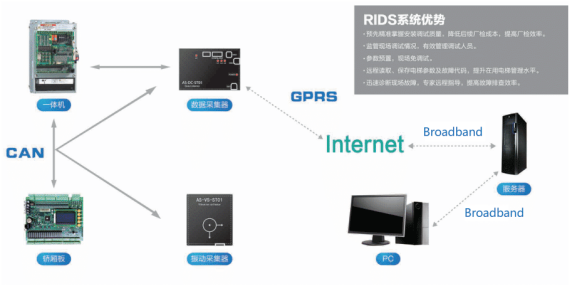
Can realize remote intelligent debugging and diagnosis module all functions. Human interface parameters to read and write, remote parameters to read and write, the expert system to help line debugging. Instead of PMT to obtain the vibration curve, remote experts to assist in judging the comfort of the test according to the vibration curve. Fault diagnosis, acquisition of elevator information, fault diagnosis more clearly. The maintenance of information integration platform, with the help of ESMS, the establishment of elevator information platform. To be informed in advance for elevator maintenance, elevator inspection management.

RIDS system advantage :

To grasp the quality of the installation and debugging in advance, reduce the cost and improve the efficiency of factory inspection. Supervise the site commissioning, and effectively manage the commissioning staff. Parameter preset, field free debugging. Remote read, save the elevator parameters and fault code, to enhance the management level of the elevator. Quickly diagnose the fault of the field, expert guidance, improve the efficiency of troubleshooting.

The diagnosis module:

The field diagnosis module does not require additional hardware. Fault intelligent diagnosis, fault code is more clear, more confidence in the fault of more abundant, easy to fault analysis. Self learning fault refinement, clear tips from learning fault state, to help the scene from the study. Fault mode, fault protection mode can be defined. Convenient maintenance fault phenomenon, check the fault code and the floor through the outbound board

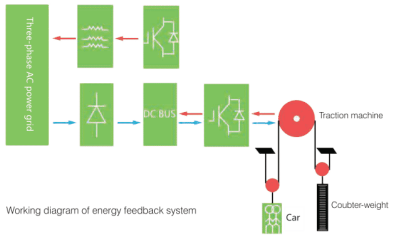


Long-distance Monitor Function

3G mobile communications and Internet network perfect combination, real-time acquisition computer board, converter data, wireless remote transport, achieve Internet remote monitoring.

Energy Feedback

Schumacher adheres to energy-saving and environmental protection product-development ideas. It creatively applies energy feedback technology to passenger elevator. It applies the most advanced energy regenerating theory in the world and effectively converts potential energy in the elevator running to electric energy so as to feed back to electric grid. It greatly reduces the harmonic pollution to power source and fulfills re-generation and re-utilization of the energy.



Working diagram of energy feedback system

Function table

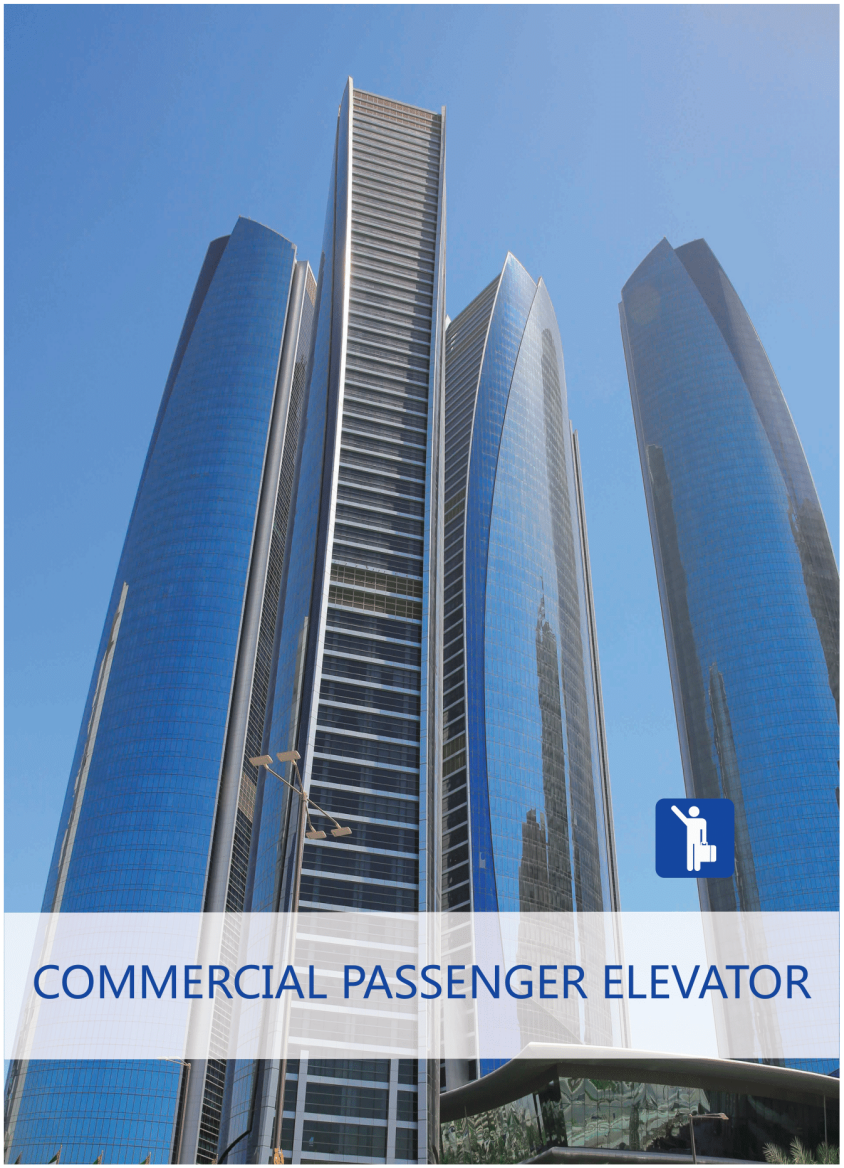
Standard function

Travel function	VVVF drive	Motor rotating speed can be precisely adjusted to get smooth speed curve in lift start, travel and stop and gain the sound comfort.
	VVVF door operator	Motor rotating speed can be precisely adjusted to get the more gentle and sensitive door machine start/stop
	Independent running	According to the users' needs, the lift cannot respond to outer calling, it only responds to inner command in the car.
	Automatic pass without stop	When the car is crowded with the passengers or the load is close to preset value, the car will automatically pass the calling landing in order to keep maximum travel efficiency.
	Adjust door opening time	Door opening time is apt to the users' demands.
	Reopen with hall call	IN the door shutting process, pressing the hall call button can reopen the door
	Express door closing	When the lift stops and opens the door, press door-shut button, the door will be closed immediately.
	Car stops and door open	The lift decelerates and levels, the door only opens after the lift comes to a complete stop.
	Car arrival gong	Arrival gong in the car top announces passengers the car's arrival.
	Anti-nuisance	In the light lift load, when three more commands appear, all the registered callings in the car will be cancelled, in order to avoid the unnecessary parking.
	Automatic return to home	In low traffic flow, the car which has no call will return to the main floor, shut the door and keep waiting automatically.
	Command register cancel	If floor command button in the car is pressen by mistake, press same button again to cancel the registered command.
Safety function	Photocell protection	In the door open and shut period, the door protection device of infrared ray that covers the whole door height is used to probe both the passengers and objects.
	Designated stop	If the lift can not open the door in the destination floor out of some reason, the lift will close the door and travel to the next desingnated floor.
	Ouerload holding stop	When the car is overloaded, the buzzer rings and the lift remains at rest in the same floor.
	Anti-stall timer protecion	The lift stops operation due to slippery traction wire rope.
	Start protection control	If the lift does not leave door zone within the designated time after it gets started, it gets started, it will stop the operation.
	Inspection operation	When the lift enters into inspection operation, the car travels at inching running.
	Fault self-diagnosis record	With the help of this record function, faults can be restored rapidly so that the lift can remove in a shot time.
	Sill impurity removal	If the lift door can not shut due to sill impurity or interference, it reopens/re-shuts in the stipulated time and remove the impurity.
	Up/down over-run and final limit protection	The device can effectively prevent from the lift's surging to the top or knocking the bottom when it is out of control. If results in more safe and reliable lift travel.
	Down over-speed protection	When the lift downs 1.2 times higher than the rated speed, this device will automatically cut off control mains, the motor running so as to atop lift down at over-speed.if the lift continues to down at over-speed, and the speed is 1.4 times higher than rated speed, safety tongs act to force the lift stop in order to ensure the safety.
	Upward over-speed protection device	When the lift up speed is 1.2 times higher than rated speed, the device will automatically decelerate or brake the lift.
Man-machine interfacen	Micro-touch button for car call and hall call	Novel micro-touch button is used for operation panel command button in the car and landing calling button.
	Floor and direction indicator	The car shows the lift floor location and current travel direction.
	Floor and direction indicator in hall	The landing shows the lift floor location and current travel direction.

Emergency function	Emergency car lighting	Emergency car lighting automatically activated once power failure.
	Inching running	When the lift enters into emergency electric operation, the car travels at low speed inching running.
	Five way intercom	Communication amid car, car top, lift machine room, well pit and rescue duty room through walkie-talkie.
	Fire alarm	In emergency conditions, if bell Button on car operation panel is continuously pressed, electric bell rings on top of the car.
Emergency function	Car ventilation, light automatic shut off	If there is no calling or command signal within the stipulated time, the car fan and lighting will be automatically shut-down in order to save the energy.

Optional function

Emergency function	Leveling when power failure	In normal power failure, the chargeable battery supplies the lift power, The lift drives to the nearest landing.
	Fire emergency return	If you start emergency switch in main landing, all the callings will be cancelled. The lift directly and immediately drives to the designated rescue landing and automatically opens the door.
Travel function	Direct parking	According to distance principle completely, the car can directly level without crawling, It greatly enhances the operation efficiency.
	Group control function	The group control system is used when three or more same model lifts are organized into a group to run, it can make the lift group automatically choose the most appropriate response, avoid repeated parking, reduce the passengers' waiting time and increase the operation efficiency.
	Duplex control	Two sets of same model lifts can unanimously respond the calling signal through the computer dispatch, In this way, it reduces the passengers' waiting time to the greatest extent and enhances the travel efficiency as well.
	Energy feedback device	Feeding the energy generated during the lift running and braking back to reduce the customers' operational cost and environmental pollution.
	Lift stop function	If the lift waits for certain period of time without travel, it automatically stops to save power.
	Door open time extending	Press special button in the car, the lift door deeps open for certain period of time.
Man-machine interface	Voice announcer	When the lift normally arrives, voice announcer informs the passengers about the relevant information.
	Car assistant operation box	It is the large loading weight lifts or the lifts with crowded passengers so that most of the passengers can operate the car easily.
	Intelligent calling service	Destination floor calling can be fulfilled through special intellectual input device.
	Operation box for the handicapped	It is convenient for the wheelchair passengers and those who have vision problems.
	IC card control function	All (partial) landings can only input car commands through IC card after the authorization.
Monitor function	Remote monitor	The remote monitor of lift can be fulfilled through modem and telephone, It is convenient for the makers and service units to know the travel conditions of every lift and take corresponding measures promptly.
	Remote control	Based on remote monitor, it is able to remote control some functions whitch not affect safety of lift's operation, For example, duplex or group control elevator independent operation.
	Camera function in the car	The camera is installed in the car to monitor the car conditons



Commercial Passenger Elevator

Intelligent product with peak value

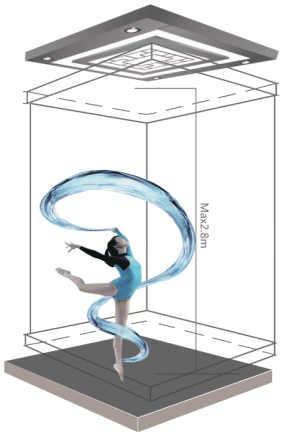
Schumacher commercial passenger elevator is a modern intelligent elevator that integrates intelligence,humanism and science.Widely used in office building,hotel,business center,hospital and other places with high passenger flow,it can bring convenience and enjoyment to your high-efficiency life.

The safe,accurate and guaranteed position control system

Advanced sensors on the motor rotor movement for high precision real time signal feedback, to achieve in a hoistway running car positioning achieve millimeter level precision, achieving almost no difference level.
A reliable car displacement memory technology, to ensure that the elevator stops to open early peace layer security function.

Comfortable experience from car with clearance height of 2.8m

Car of the elevator is 60cm higher than traditional car,providing a wider and more comfortable carrying space.



LED high-efficiency green light source

This decreases power consumption of the elevator by 20%~35%.

Small Machine Room Passenger Elevator

Compact And Efficient,Stable And Reliable

To save space, expand the building larger space utilization rate,make the operation more flexible and reliable, make the building more elegant appearance, SCHUMACHER small machine room passenger elevator, the compact type permanent magnet synchronous gearless traction machine and the special design ofthe control cabinet, make room area is achieved and the well area is exactly the same.

Green environmental protection

Space-saving

Low Noise

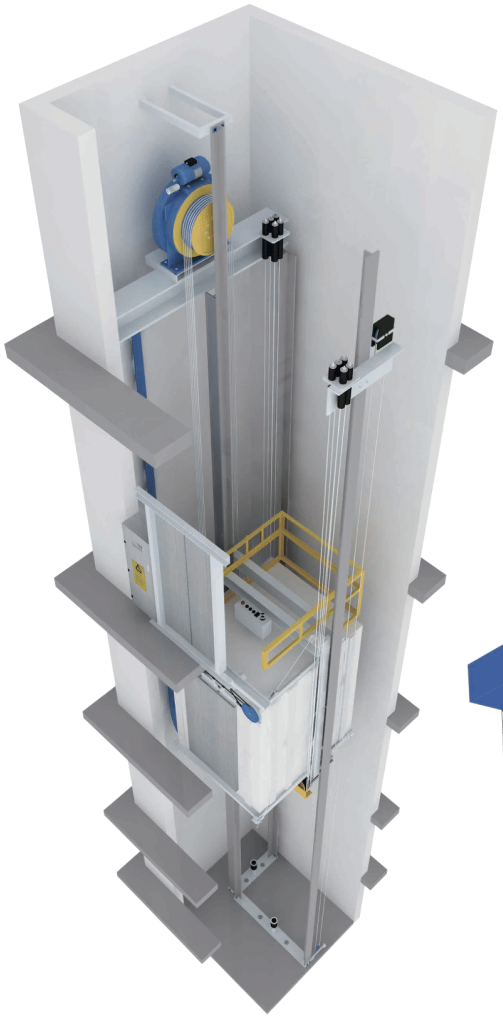
Efficient and energy-saving

Stable and reliable

Machine Roomless Passenger Elevator

It reduces the building expense and saves the construction cost

In order to know the concept of environmental protection, energy saving, saving building area, improve the degree of freedom in design is the responsibility of the SCHUMACHER elevator without machine room, fully reflects the green spirit of humanity, the elevator needs only one independent well space, without room, with the same load weight level than conventional elevators, save construction area of 10%.

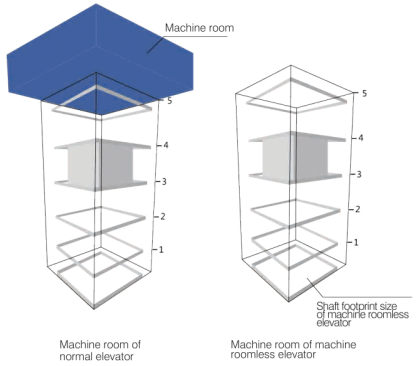


Reduce Energy Consumption Of The Elevator

Using the world's leading permanent magnet synchronous gearless machine, effectively reduce energy consumption, to achieve non-maintenance of elevator

Saving Up To 10% Area Of Construction

Schumacher machine roomless elevator further compression space, greatly improving the utilization of building space. Machine room and Shaft integrated design, to provide a great degree of freedom to the design of elevator and building.



Stretcher Elevator

Take the elevator rescue mission

Care for the health and safety of you and others, Schumacher together with you to achieve social responsibility. For the building design of elevator in case of emergency rescue, rescue use convenient.
Elevator adopts special space design, suitable for placing a stretcher and beds, especially for the 120 and other rescue work. For the relief of the elevator to tailor the special function and high reliability of special master control system, emergency use, can quickly form a barrier free relief channel, between the free flow of each floor, the successful completion of the rescue work. Applicable to residential buildings, schools, office buildings, commercial buildings, hotels, shopping malls, entertainment and other public places.

Convenient Stretcher, Protect The User Security

The car and lengthened, depth of up to 2100mm, can be placed in a medical stretcher vehicle, the intelligent wheelchair, a small cart stretcher bed, to meet the special requirements of users, to facilitate people's life.

Rescue system

Direct service rescue function:
Any floor start "rescue" function, can quickly reach the destination. "Rescue" function is activated, the elevator will no longer accept other call request, forming a fast dedicated direct channel, complete the delivery task in the short time, after the completion of the task, the system automatically resume normal use.

Emergency power supply system

For the completion of the rescue mission, the elevator can be equipped with rescue special emergency system, once the blackout, start the emergency power supply system, the nearest floor elevator door, completed the rescue work.

The design of compact well, save more for the user

Rescue elevator can design small room and no room, the design of compact well, no road and engine room, large space well convenient installation; different from medical elevator, medical elevator size mainly according to the status of the "bed", car of large scale, resulting in larger pool area and electrical energy. Waste of customers, for customers to save more.

The national edition of "residential design standards"

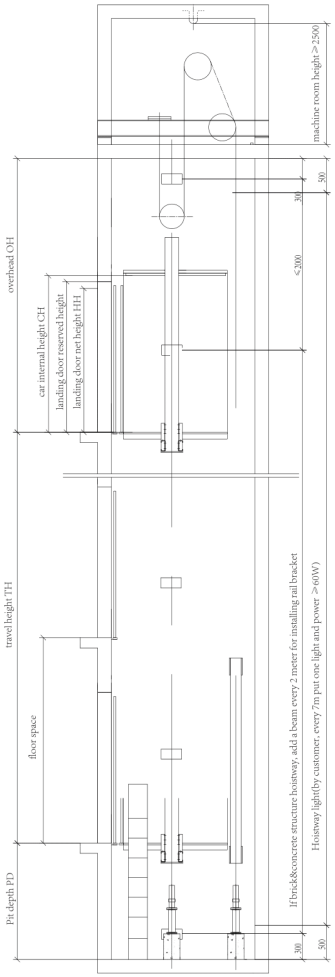
According to the people's Republic of China Ministry of housing and urban rural development, points out that the GB50096-2011 residential design standards issued jointly by the people's Republic of China State Administration of quality supervision, inspection and Quarantine Bureau, residential design standards, "residential 12 layers or more than 12 layers, each building set shall not be less than two lifts, one is specified elevator" can accommodate stretcher for emergency.

Car Decoration And Design

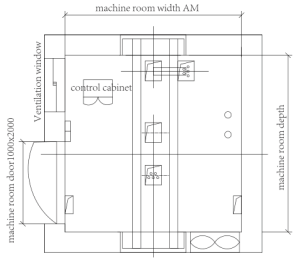
Standard configuration

Ceiling: Spraying Steel Plates, LED lights
Car walls: Short hairline stainless steel
Floor: PVC floor

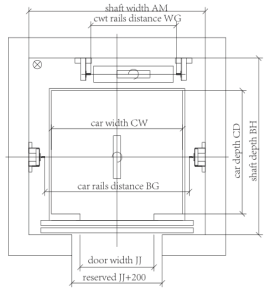
Commercial Passenger Elevator Civil Figure



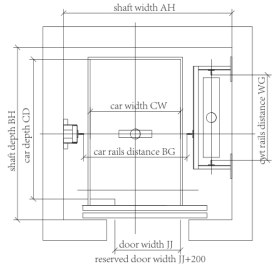
Shaft& machine room vertical section



machine room layout



shaft layout



standard machine room stretcher elevator

Standard passenger elevator Technical Data Sheet

Capacity KG	Speed m/s	Car dimension CW*CD*CH(mm)	Door size JJ*HH(mm)	Shaft size				Max floor	Max travel height TH(m)
				shaft width* shaft depth AH*BH(mm)	overhead OH(mm)	pit depth PD(mm)	Min floor space mm		
630 (8Persons)	1.0	1400*1100*2400	800*2100	1950*1750	4200	1400	2700	16	60
	1.5				4250	1450		24	75
	1.75				4300	1500		30	90
800 (10Persons)	1.0	1400*1350*2400	800*2100	1950*2000	4200	1400	2700	16	60
	1.5				4250	1450		24	75
	1.75				4300	1500		30	90
	2				4600	1800		35	105
	2.5				4800	2000		40	120
	3				5500	3500		50	150
1000 (13Persons)	1.0	1600*1500*2400	900*2100	2150*2150	4250	1400	2700	16	60
	1.5				4400	1450		24	75
	1.75				4450	1500		30	90
	2				4600	1800		35	105
	2.5				4800	2000		40	120
	3				5500	3500		50	150
1250 (16Persons)	1.0	1800*1500*2400	1100*2100	2400*2200	4250	1400	2700	16	60
	1.5				4400	1450		24	75
	1.75				4450	1600		30	90
	2				4600	1800		35	105
	2.5				4800	2000		40	120
	3				5500	3500		50	150
1600 (21Persons)	1.0	1900*1800*2400	1100*2100	2500*2500	4250	1400	2700	16	60
	1.5				4400	1450		24	75
	1.75				4450	1600		30	90
	2				4600	1800		35	105
	2.5				4800	2000		40	120
	3				5500	3500		50	150

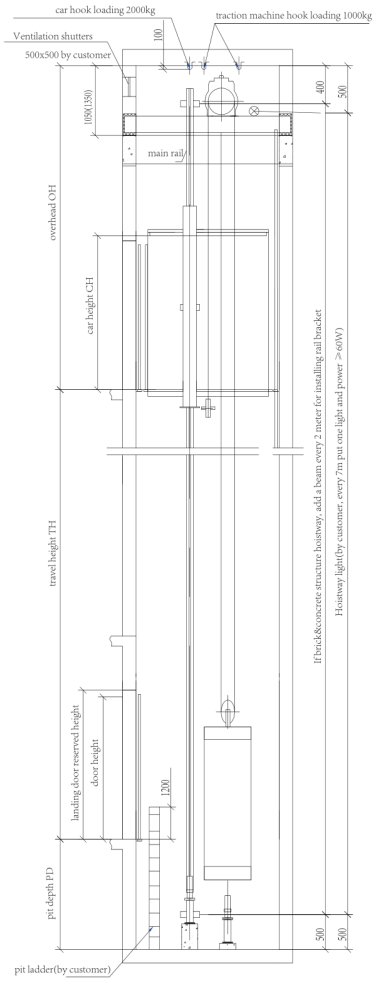
Note: the above for the civil diagram,detailed dimensions see construction plans,specific to the technical department to provide construction drawings.

Standard Small Machine Room Stretcher Elevator Technical Data Sheet

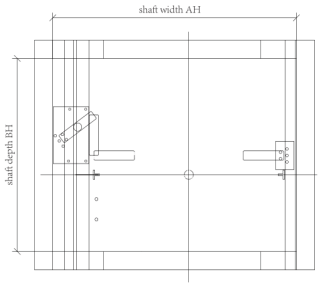
Capacity KG	Speed m/s	Car dimension CW*CD*CH(mm)	Door size JJ*HH(mm)	Shaft size				Max floor	Max travel height TH(m)
				shaft width* shaft depth AH*BH(mm)	overhead OH(mm)	pit depth PD(mm)	Min floor space mm		
800	1.0	1100*1700*2400	800*2100	2000*2100	4200	1400	2700	16	60
	1.5				4250	1450		24	75
	1.75				4300	1500		30	90
1000	1.0	1100*2100*2400	800*2100	2000*2500	4300	1400	2700	16	60
	1.5				4400	1450		24	75
	1.75				4450	1500		30	90

Passenger Elevator

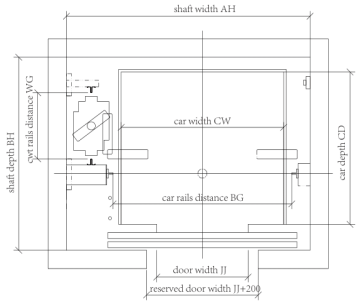
Machine Roomless
Passenger Elevator Civil Figure



shaft vertical section



top layout



shaft layout

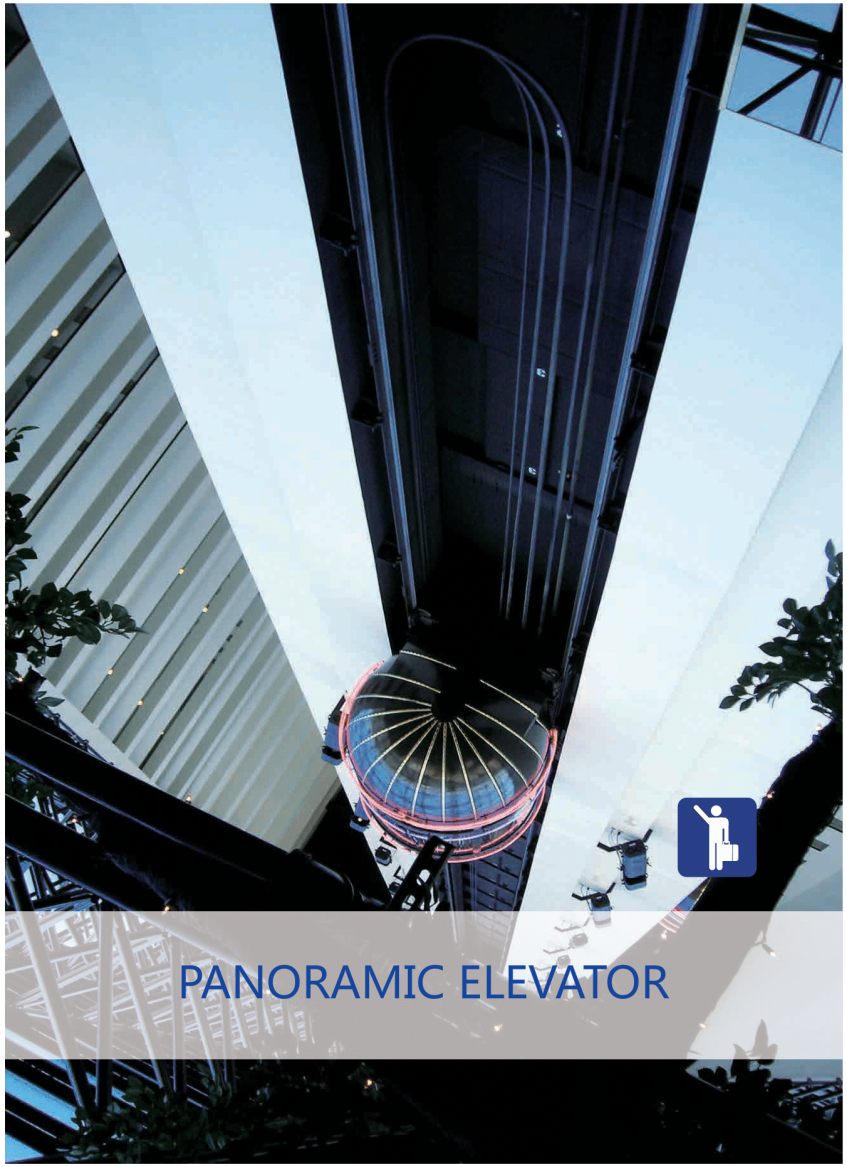
Standard machine roomless passenger elevator Technical Data Sheet

Capacity KG	Speed m/s	Car dimension CW*CD*CH(mm)	Door size JJ*HH(mm)	Shaft size				Max floor	Max travel height TH(m)
				shaft width* shaft depth AH*BH(mm)	overhead OH(mm)	pit depth PD(mm)	Min floor space mm		
630 (8Persons)	1.0	1400*1100*2400	800*2100	2200*1600	4100	1500	2700	16	60
	1.5				4200	1600		24	75
	1.75				4250	1700		30	90
800 (10Persons)	1.0	1400*1350*2400	800*2100	2200*1800	4100	1500	2700	16	60
	1.5				4200	1600		24	75
	1.75				4250	1700		30	90
1000 (13Persons)	1.0	1600*1500*2400	900*2100	2400*1900	4100	1500	2700	16	60
	1.5				4200	1600		24	75
	1.75				4250	1700		30	90
1250 (16Persons)	1.0	1800*1500*2400	1100*2100	2750*2000	4400	1500	2700	16	60
	1.5				4500	1600		24	75
	1.75				4600	1700		30	90
1600 (21Persons)	1.0	1900*1800*2400	1100*2100	2850*2200	4400	1500	2700	16	60
	1.5				4500	1600		24	75
	1.75				4600	1700		30	90

Note: the above for the civil diagram,detailed dimensions see construction plans,specific to the technical department to provide construction drawings.

Standard Machine Room Less Stretcher Elevator Technical Data Sheet

Capacity KG	Speed m/s	Car dimension CW*CD*CH(mm)	Door size JJ*HH(mm)	Shaft size				Max floor	Max travel height TH(m)
				shaft width* shaft depth AH*BH(mm)	overhead OH(mm)	pit depth PD(mm)	Min floor space mm		
800	1.0	1100*1700*2400	800*2100	2000*2100	4200	1400	2700	16	60
	1.5				4250	1450		24	75
	1.75				4300	1500		30	90
1000	1.0	1100*2100*2400	800*2100	2000*2500	4300	1400	2700	16	60
	1.5				4400	1450		24	75
	1.75				4450	1500		30	90



PANORAMIC ELEVATOR

Car Decoration And Design

SMK-G001

Cover: steel coating
Tourism wall: Laminated glass
Decorative top: multilayer reflectors lighting design complemented by four weeks waist translucent hole and organic lamppost, the soft light rich three-dimensional sense of depth
Car Wall: Laminated glass
Handrail: Stainless steel tube
Floor: PVC Floor

SMK-G004

Cover: steel coating
Tourism wall: Laminated glass
Decorative top: multilayer reflectors lighting design complemented by four sides waist translucent hole and organic lamppost
Car Wall: Laminated glass
Handrail: Stainless steel tube
Floor: PVC Floor

SMK-G002

Cover: Steel plate spraying decorative lights
Tourism wall: Laminated glass
Decorative top: on the mirror surface stainless steel plate combined with the car wall down light golden shine, the middle part is arch white translucent panels of soft illumination
Car Wall: Hairline stainless steel plate
Handrail: Stainless steel tube
Floor: PVC Floor

SMK-G005

Cover: Steel plate spraying decorative lights
Tourism wall: Laminated glass
Decorative top: on the mirror surface stainless steel plate combined with the car wall down light golden shine, the middle part is arch white translucent panels of soft illumination
Car Wall: Hairline stainless steel plate
Handrail: Stainless steel tube
Floor: PVC Floor

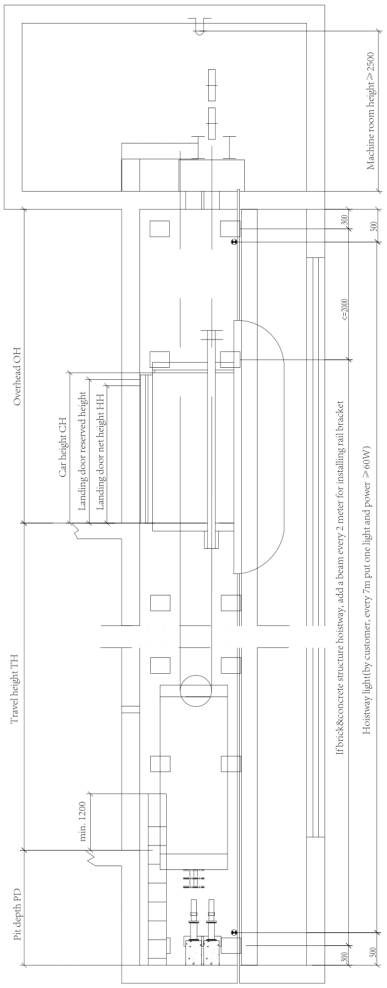
SMK-G003

Cover: Acrylic semicircular crown and plate coating and stainless steel panels and decorative lights
Tourism wall: three laminated glass
Decorative top: white ceiling light plus downlights
Car Wall: Hairline stainless steel plate
Handrail: Stainless steel tube
Floor: PVC Floor

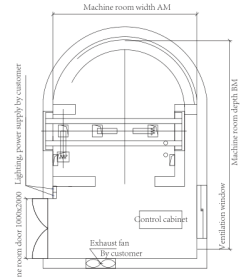
SMK-G006

Cover: Acrylic semicircular crown and plate coating and stainless steel panels and decorative lights
Tourism wall: three laminated glass
Decorative top: white ceiling light plus downlights
Car Wall: Hairline stainless steel plate
Handrail: Stainless steel tube
Floor: PVC Floor

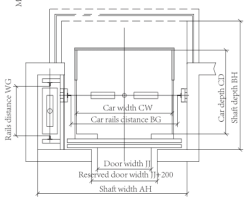
Panoramic Elevator Civil Figure



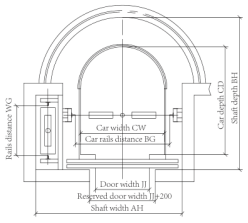
Shaft& machine room vertical section



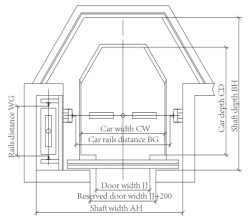
Machine room layout



Shaft layout(square)



Shaft layout(Semi-circular)



Shaft layout(diamond)

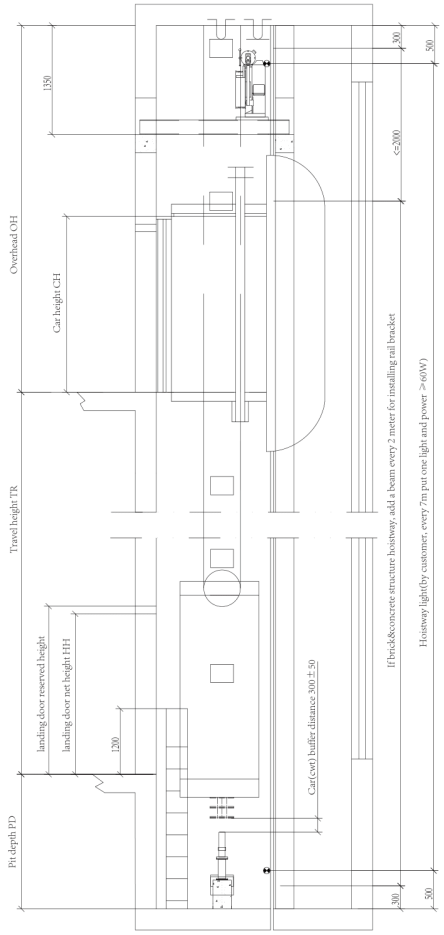
Standard square sightseeing elevator with machine room Technical Data Sheet

Capacity KG	Speed m/s	Car dimension CW*CD*CH(mm)	Door opening	Shaft size				Max floor	Max. travel height TH(m)
				shaft width* shaft depth AH* BH(mm)	overhead OH(mm)	pit depth PD(mm)	Min floor space mm		
800 (10Persons)	1.0	1350*1400*2400	800*2100	2250*1900	4400	1800	2700	16	60
	1.5				4500	1900		24	75
	1.75				4600	2000		30	90
1000 (13Persons)	1.0	1600*1500*2400	900*2100	2500*2000	4400	1800	2700	16	60
	1.5				4500	1900		24	75
	1.75				4600	2000		30	90
1250 (16Persons)	1.0	1800*1500*2400	900*2100	2700*2000	4400	1800	2700	16	60
	1.5				4500	1900		24	75
	1.75				4600	2000		30	90
1600 (21Persons)	1.0	1900*1800*2400	1000*2100	2800*2300	4400	1800	2700	16	60
	1.5				4500	1900		24	75
	1.75				4600	2000		30	90

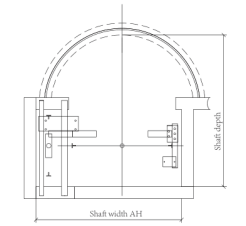
Standard semicircular (diamond) sightseeing elevator with machine room Technical Data Sheet

Capacity KG	Speed m/s	Car dimension CW*CD*CH(mm)	Door opening	Shaft size				Max floor	Max. travel height TH(m)
				shaft width* shaft depth AH* BH(mm)	overhead OH(mm)	pit depth PD(mm)	Min floor space mm		
800 (10Persons)	1.0	1200*1700*2400	800*2100	2250*2250	4400	1800	2700	16	60
	1.5				4500	1900		24	75
	1.75				4600	2000		30	90
1000 (13Persons)	1.0	1400*1800*2400	900*2100	2450*2350	4400	1800	2700	16	60
	1.5				4500	1900		24	75
	1.75				4600	2000		30	90
1250 (16Persons)	1.0	1500*2000*2400	900*2100	2550*2550	4400	1800	2700	16	60
	1.5				4500	1900		24	75
	1.75				4600	2000		30	90
1600 (21Persons)	1.0	1700*2150*2400	1000*2100	2750*2700	4400	1800	2700	16	60
	1.5				4500	1900		24	75
	1.75				4600	2000		30	90

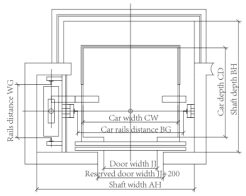
Machine Roomless
Panoramic Elevator Civil Figure



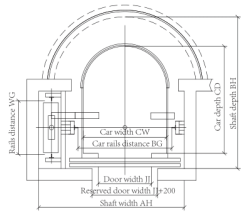
Shaft vertical section



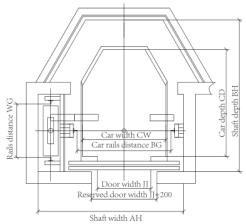
Top Layout



Shaft layout(square)



Shaft layout(Semi-circular)



Shaft layout(diamond)

Standard square machine roomless sightseeing elevator Technical Data Sheet

Capacity KG	Speed m/s	Car dimension CW* CD* CH(mm)	Door opening	Shaft size				Max floor	Max travel height TH(m)
				shaft width* shaft depth AH* BH(mm)	overhead OH(mm)	pit depth PD(mm)	Min floor space mm		
800 (10Persons)	1.0	1250*1500*2400	800*2100	2250*2000	4400	1800	2700	16	60
	1.5				4500	1900		24	75
	1.75				4600	2000		30	90
1000 (13Persons)	1.0	1600*1500*2400	900*2100	2650*2000	4400	1800	2700	16	60
	1.5				4500	1900		24	75
	1.75				4600	2000		30	90
1250 (16Persons)	1.0	1800*1500*2400	900*2100	2850*2000	4600	1800	2700	16	60
	1.5				4700	1900		24	75
	1.75				4800	2000		30	90
1600 (21Persons)	1.0	1900*1800*2400	1100*2100	2950*2300	4600	1800	2700	16	60
	1.5				4700	1900		24	75
	1.75				4800	2000		30	90

Standard semicircular (diamond) machine roomless sightseeing elevator Technical Data Sheet

Capacity KG	Speed m/s	Car dimension CW* CD* CH(mm)	Door opening	Shaft size				Max floor	Max travel height TH(m)
				shaft width* shaft depth AH* BH(mm)	overhead OH(mm)	pit depth PD(mm)	Min floor space mm		
800 (10Persons)	1.0	1200*1700*2400	800*2100	2250*2250	4400	1800	2700	16	60
	1.5				4500	1900		24	75
	1.75				4600	2000		30	90
1000 (13Persons)	1.0	1400*1800*2400	900*2100	2450*2350	4400	1800	2700	16	60
	1.5				4500	1900		24	75
	1.75				4600	2000		30	90
1250 (16Persons)	1.0	1500*2000*2400	900*2100	2550*2550	4600	1800	2700	16	60
	1.5				4700	1900		24	75
	1.75				4800	2000		30	90
1600 (21Persons)	1.0	1700*2150*2400	1000*2100	2750*2700	4600	1800	2700	16	60
	1.5				4700	1900		24	75
	1.75				4800	2000		30	90

Hospital Elevator

Fulfill Equal Carrying In A Harmonious Space

Schumacher bed elevators not only transport passengers, but also have special and strict requirements for special function and performance of the elevator. Schumacher bed elevators precisely control the speed of the elevator, run smoothly and comfortable. Schumacher series hospital elevators emphasize human-oriented design to fully optimize the car structure, satisfy customer requirements. Give passengers a serene, elegant space.
Schumacher series hospital elevator has its unique design concept, creativity and harmony of the hospital environment, clean and bright space give passengers a comfortable environment for the patient but also adds a bit of confidence back to health.

Group control management system, intelligent dispatching

Schumacher bed elevator, centralized control of multiple elevator, system within all the time to calculate which elevator is the most rapid economic and reasonable to meet response signal, with the fastest speed, maximum efficiency to provide doctors and patients dispersion elevator. Increase elevator operational efficiency, reduce patient waiting time to adapt to the special needs of the hospital.

Anti-magnetic interference, better adapted to the use of modern medicine

3G mobile communication is perfect combined with internet, real-time acquisition computer board, inverter data, wireless remote transmission, to achieve Internet remote monitoring.

Special functions for the handicapped fulfill equal carrying in a harmonious space

Schumacher bed elevator efforts to create equality accessible space for all people, will incorporate the needs of disable people into the elevator design concept, not only mark Braille on the button, but also the control box inside the car to take a cross-loaded manner, 1 meter from the car bottom, very convenient for disable people, while not affect the ordinary passengers.

Car Decoration And Design

SMK-Y101

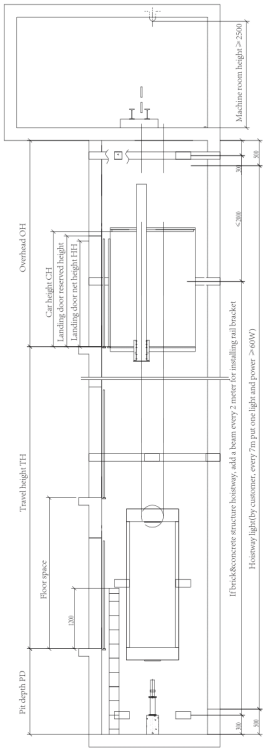
SMK-BC001

SMK-BC002

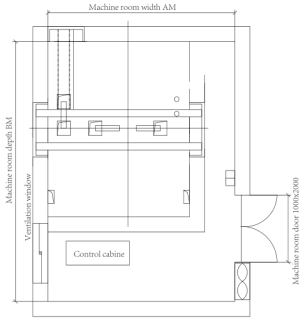
Standard Configuration

Ceiling: stainless steel with ivory euphotic plate lighting , LED lights
Car walls: Short hairline stainless steel,Mirror
Floor: PVC floor

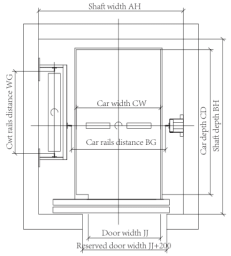
Bed Elevator Civil Figure



Shaft& machine room vertical section



Machine room layout



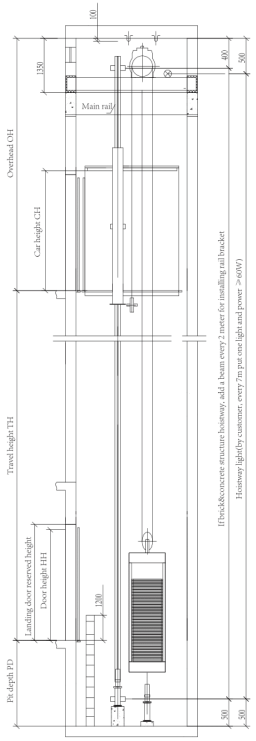
Shaft layout

Standard machine room hospital elevator Technical Data Sheet

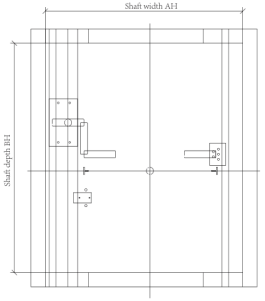
Capacity KG	Speed m/s	Car dimension CW*CD*CH(mm)	Door size JJ*HH(mm)	Shaft size				Max floor	Max travel height TH(m)
				shaft width* shaft depth AH*BH(mm)	overhead OH(mm)	pit depth PD(mm)	Min floor space mm		
1600 (21Persons)	1.0	1400*2400*2400	1200*2100	2350*2900	4250	1400	2700	16	60
	1.5				4400	1450		24	75
	1.75				4450	1600		30	90

Note: the above for the civil diagram, detailed dimensions see construction plans, specific to the technical department to provide construction drawings.

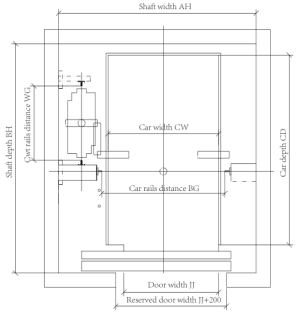
Machine Roomless Bed Elevator Civil Figure



Shaft vertical section



Top layout



Shaft layout

Standard machine roomless hospital elevator Technical Data Sheet

Capacity KG	Speed m/s	Car dimension CW*CD*CH(mm)	Door size JJ*HH(mm)	Shaft size				Max floor	Max travel height TH(m)
				shaft width* shaft depth AH*BH(mm)	overhead OH(mm)	pit depth PD(mm)	Min floor space mm		
1600 (21Persons)	1.0	1400*2400*2400	1200*2100	2350*2900	4400	1500	2700	16	60
	1.5				4500	1600		24	75
	1.75				4600	1700		30	90

Note: the above for the civil diagram, detailed dimensions see construction plans, specific to the technical department to provide construction drawings.

Comfort make you to enjoy home life

Dedicated inverter system, precise control the running of the elevators, comprehensive approach to improve your experience, pre-torque function, according to the load information provided by the sensor, automatically adjusts the starting torque of the elevator, make the elevator to start more comfortable. Gearless sealed bearings require no lubrication, the complete elimination of oil pollution, but also eliminates the noise when gearbox run, bring you beautiful home environment.

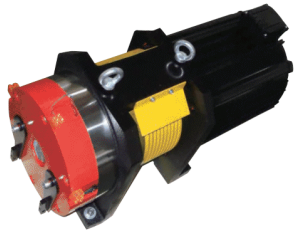
New appliances, bring you new life

Whether Schumacher villa elevator is installed indoors or outdoors, no need special shaft, no special pit, no dedicated room, even without a lot of civil construction, easy like any home appliances placed in your home, without any space restrictions. Just need extremely low maintenance costs.

Villa Lift Technology Advantage

The specialty of traction villa lift

◎ without traditional machine room: save construction costs
◎ without traditional big depth pit: H = 300-700
◎ Traction ratio 1: 1 or 2:1 Villa elevator specially designed structure system
◎ VVVF drive technology: computer control panels, smooth and comfortable
◎ Motor: Household special elevator hoisting machine
◎ Door operator: belt drive, smooth and low noise



Product range

Independent villas / private mansions / Newhouse / Townhouse / Private accommodation / Private installation duplex Apartments

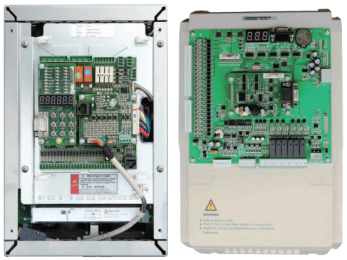
Alternative Door Styles, Different Choice

Varies of kinds door open style provided for you, you can choose any one of them as per your needs for your building requirement.

Cennter-opening | Side-opening | Manually operated door

Efficient vector elevator inverter

With high-performance current vector control and cosine encoders to achieve the torque compensation function, make the elevator more comfortable; elevator maintenance more simple and convenient; automatic torque boost function can easily cope with various elevator loads.

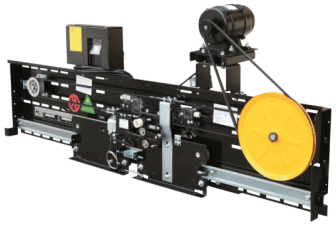


Smooth running

With the characteristic of high precision manufacturing inorganic gear operation, closed-loop VVVF drive, start-up and stop smoothly and comfortably.

Intelligent Control System

Professional designed 32-bit main computer board, using CAN bus serial communication technology, so that it can accurately and reliably to control the operation of the elevator, diagnose any faults that elevator may occur every moment, and make the appropriate security measures and alert.

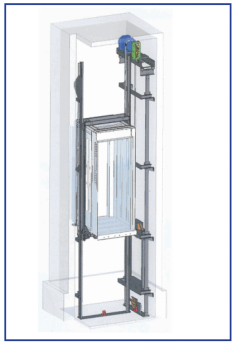


Top Grade Door Operator System

Use advanced VVVF door operator system, make sure the door open and close smoothly, reduce noise

Rope Broken Switch

MRL lift was designed with a rope broken switch is provided to stop lift and protect passengers in case of the suspension rope broken



Gantry type car frame, more stable equilibrium

Elevator car apply gantry frame structure, which can increase the stability and comfort of the car, but also to ensure the elevator running in a balanced state, reduce system friction and increase service lift of elevator components.

Personalized Optional Highlight You Honorable

Emergency leveling system

To prevent accidental power cut off, lift apply ARD emergency leveling power, ensures that after a mains power outage, there is still enough power to make the elevator run security to take the passengers to nearest landing.

IC card intelligent floor selector

In order for the elevator to be you and your family's tools, we can provide IC card elevator intelligent control functions, you can use your access card or special IC card provided by us to use the lift, in addition, the lift will not in response to any other way of layer selection.

One-touch dialing

When child or elderly parents use home lift, safe ride has become the core issue of our primary consideration, machine roomless villa elevator set the automatic dial-up telephone on control panel. When lifts close or other emergency, click the alarm, the saved emergency number will be automatically appropriated, maximum guarantee the safety of the elderly and children, 2 -3 phone, which are saved in the auto-dial telephone, will automatically dial a call for help in turn, maximum guarantee the safety of the elderly and children.

Personalized Optional Highlight You Honorable

Fingerprint intelligent recognition

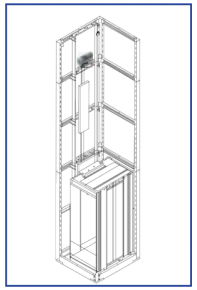
On the basis of IC card intelligent routing layer, we can also provide a fingerprint identification system to replace the card, you can manipulate the elevator through the fingerprint input, without your authorization, any other way will not be able to use your elevator, really interpretation of the concept of exclusive

Remote monitoring

Based on the perfect combination of 3G mobile communications technology and INTERNET network， through data acquisition module in the elevator control cabinet, real-time acquisition operational data of computer board and inverter, wireless remote transmission to the control center, to achieve all time surveillance, if elevator failure, within a few seconds, control center can achieve fault alarm information preservation, fault diagnosis and dispatching maintenance.

Steelwork Shaft

Using steelwork shaft, users can greatly facilitate civil construction, reduce civil footprint, save construction costs, and provide a platform for user fitting, easy to meet the individual needs of users.



Warm And Elegant Car Decoration

Fine,Popular And Exquisite Designs

SMK-J001

Ceiling: wood veneer frame, middle clinquant, surrounded downlights
Car wall: center wood veneer, side mirror stainless steel
Floor: Marble parquet

SMK-J004

Ceiling: wood veneer frame, middle clinquant, surrounded downlights
Car wall: side mirror stainless steel, center photo by customer
Floor: Marble parquet

SMK-J002

Ceiling: Rose gold stainless steel frame + punching plates
Car wall: three centers rose gold mirror etching, auxiliary plate rose gold hairline plate
Flooring: Marble parquet

SMK-J005

Ceiling: wood veneer frame, intermediate laser cutting process with marble translucent sheet
Car wall: three sides center wood finishes styling wrapped around a mirror etching titanium,
Floor: Marble parquet

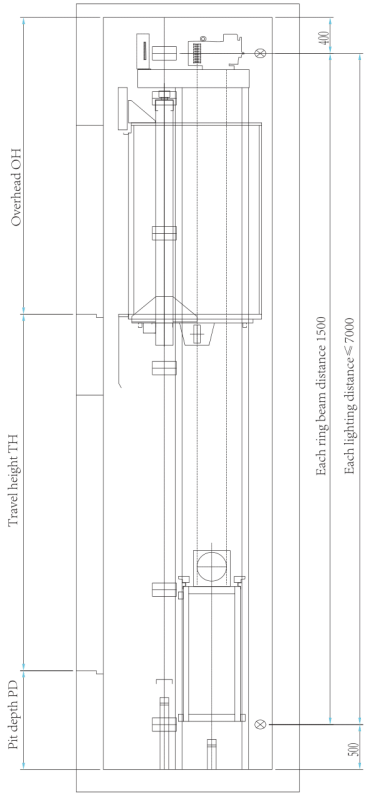
SMK-J003

Ceiling: wood veneer shape, center clinquant, lamp lighting
Car wall: three side center wood veneer, auxiliary plate rose gold mirror plate
Floor: Marble parquet

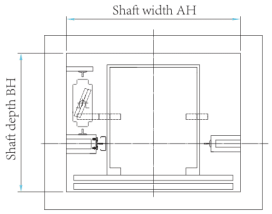
SMK-J006

Ceiling: wood finishes modeling, hidden lights, lamp lighting
Car wall: back side wood finishes with stainless steel bar, both sides intermediate mirror stainless steel, auxiliary plate leather
Floor: Marble parquet

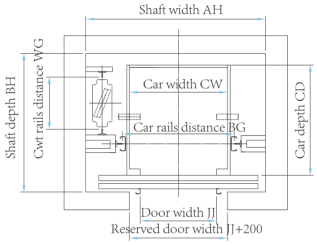
Standard Villa Elevator Civil Figure



Shaft right vertical section



Shaft top layout



Shaft layout

Standard Villa Elevator Technical Data Sheet

Capacity KG	Speed m/s	Door opening	Car dimension CW*CD*CH(mm)	Door size JJ*HH(mm)	Shaft size			Max. travel height TH(m)
					shaft width* shaft depth AH* BH(mm)	overhead OH(mm)	pit depth PD(mm)	
250	0.4	Center opening	900*1100*2200	700*2000	1650*1450	3300	800	12
320	0.4	Center opening	900*1200*2200	700*2000	1650*1500	3300	800	12
400	0.4	Center opening	1000*1250*2200	700*2000	1700*1550	3300	800	12

Note: The drawings and specifications shown on sample are only for your reference, any order please confirm with Schumacher company.

Human-machine Interface

SMK-C101
hairline(standard)

SMK-W106
Hairline thin
wall-mounted (standard)
(optional mirror, titanium)

SMK-C102
mirror(optional)

SMK-W104-16
Mirror wall-mounted
(optional)

SMK-W103-16
Mirror embedded
(optional)

The pictures are plotted by computer and are likely somewhat different from the actual products.

Human-machine Interface

SMK-C103
Integrated

SMK-YJ06 (Standard)
◎ 7' Colorful LCD
Display size：155x87
Maximum dimensions：188x113x27.7

SMK-YJ08 (Matching)
◎ 10' Colorful LCD
Display size：197.5x148.5
Maximum dimensions：250.3x193.6x32

SMK-W102-16
Hairline

SMK-W108
Titanium

SMK-W107

SMK-D105

SMK-H105

Remark
1. Standard material is stainless steel hairline
2. Optional material is mirror stainless steel or titanium stainless steel
3. Optional base plate is circular or elliptical

Decorative Of Elevator Car (Option)

Landing door (option)

SMK-TM001

steel coated（other landing door standard）

SMK-T002

hairline stainless steel(1st landing door standard)

SMK-TM003

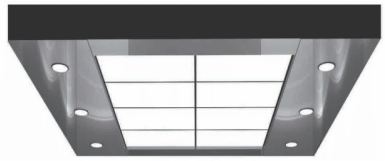
mirror, etching, hairline（optional）

SMK-TM003-16

mirror, etching, hairline（optional）

More elevator decoration, please refer to schumacher's elevator decoration manual.

Ceiling (Option)



SMK-D002

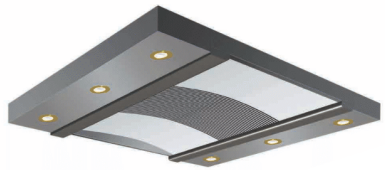
Mirror stainless steel frame, the middle of the line image translucent panels

SMK-D003-16

Titanium or stainless steel frame mirror plus lamp, translucent panels

SMK-D004-16

Mirror stainless steel frame plus lamp, organic pillar



SMK-D005

Central image vault, flanked by soft lighting design complemented by a stainless steel plate

SMK-D001

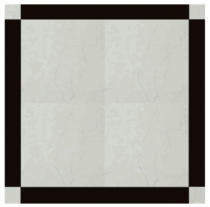
Mirror stainless steel frame, square downlights, intermediate translucent panels

SMK-D008

Two parallel white organic light-transmissive plate, plus intermediate downlights soft lighting design

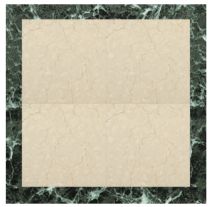
Decorative Of Elevator Car (Option)

PVC Floor



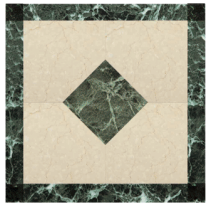
SMK-01-16
(Standard)

SMK-02-16
(Standard)



SMK-03-16
(Standard)

SMK-04-16
(Standard)



SMK-05-16
(Standard)

SMK-06-16
(Standard)

SMK-07-16
(Optional)

SMK-08-16
(Optional)

SMK-09-16
(Optional)

Plate spray card

SMK-S010
Cream-colored

SMK-S020
Light gray

SMK-S030
Aurora Silver

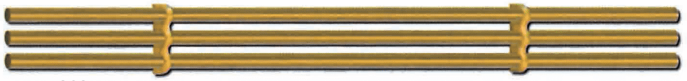
SMK-S040
Apple green

Handrail (option)

HL-301F Short grain matt stainless steel

HL-301TF Titanium matt short-grain single tube

HL-303J Mirror stainless steel tube triple combination



HL-303TJ Titanium stainless steel tube triple combination

HL-308 Stainless steel tube mirror, titanium composition

HL-309TM Wood in combination with titanium

HL-303TJ Titanium stainless steel tube triple combination

HL-310TM Roundwood

HL-313F Stainless steel short grain, circular head

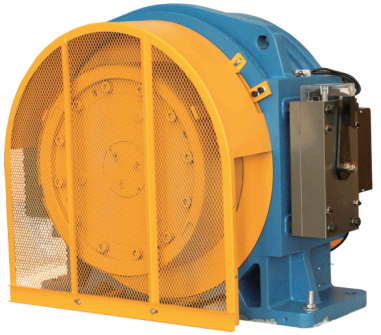
HL-313TF Stainless steel titanium short-grain, circular head

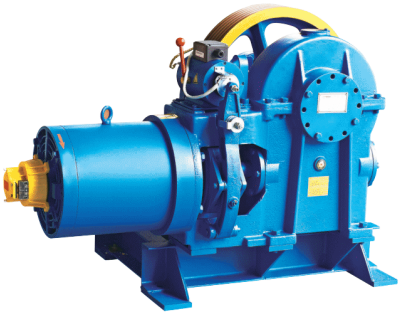
Vertical elevator decoration

Advanced Technology

Permanent magnetic synchronous gearless traction machine

Permanent magnet synchronous traction technology is a new generation of low-carbon energy saving elevator core technology researched by Schumacher and motor manufacturer. Compared with traditional technology, this technology is with low-carbon energy, less space, low construction costs and low operating cost characteristics; Meanwhile easily achieve machine none-maintenance requirements.





A gear traction machine

Mature technology,high reliability
Fine durability
Smooth running
Firm and durable
The main use of machine room elevator

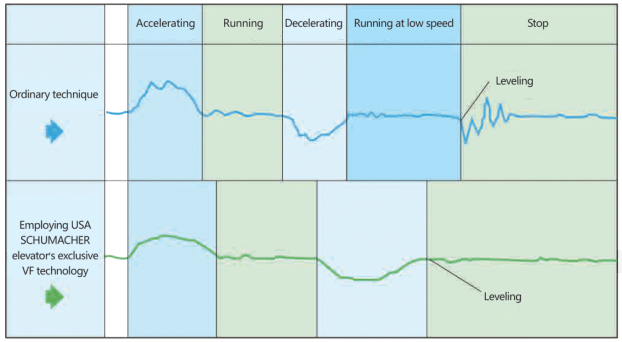
AC variable frequency door operator

Apply advanced technology VF door operator control systems, AC variable frequency motor and door mechanical system, not only to improve the safety and sensitivity of elevator operation, but also save energy consumption, adapted to the growing demands of modern transport.

Low Noise | Environmentally Friendly | Efficient and energy-saving | Space-saving | Stable And Reliable

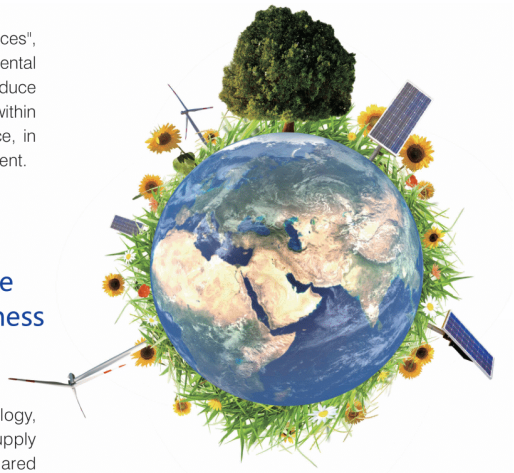
Deceleration curve comparison

VF observation elevator use vector frequency transformer to full closed-loop control the elevator, the elevator greatly improved performance, lower operating power consumption, has a very superior cost performance



Low carbon emissions, to develop a sustainable society

Treat "low carbon", "recycling resources", "environmental protection" as three fundamental developments, actively promote to reduce environmental impact of global production within whole life cycle to produce and maintenance, in order to achieve social sustainable development.



New generation VVVF technology to overcome the energy consumption weakness of traditional technology.

Schumacher elevator apply VVVF technology, the elevator running power and power supply capacity will be significantly reduced, compared to conventional AC speed drag energy, will save nearly 20%.

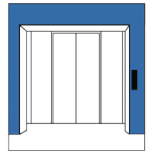
Safe, reliable, cost-effective

Schumacher serial freight elevators apply micro-computer control technology. It uses high intensity cars that have been designed and manufactured by section materials. It can transport the freight under extreme conditions. SCHUMACHER freight elevators conform to the European standard and the Chinese standard for manufacturing, installation and safety. The European code is referred to as EN81, The standard code for China is referred to as GB7588. SCHUMACHER freight elevator is your ideal choice in the factory, warehouse, department store, shopping center, housing property management center etc. because of its safe; durable and reliable properties, high structural strength, smooth operation, large door opening distance, high cost performance and so on.

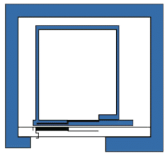
Multiple door opening modes

In order to satisfy different entry/exit requirements from a broad range of users, SCHUMACHER freight elevator offers four door opening modes: side opening , center opening double-folded door, one-way door opening, opposite door opening. It's flexible design can accommodate the unique requirements of any factory, warehouse, department store, shopping center, housing property management center etc.

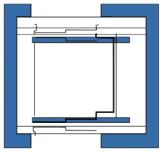
two panel sliding door



center-opening& double-folded



single way door



double way door

We will never let it happen, as the old saying "A miss is as good as a mile"

SCHUMACHER freight elevator uses a slight edge to lay the brand foundation. The product leveling accuracy can be controlled within mm level range.

More professional and considerate

Sensitive intensive infrared screens, in the elevator door forming screen protection safety net, for any access to its detecting location of people or objects are responsive, greatly improving the safety performance of.

Large width door opening, free entry/exit

For the convenience of free entry/exit of large bulk freight, The SCHUMACHER freight elevator series applies multi-folded car structures. It can reach maximum width when opening the car door.

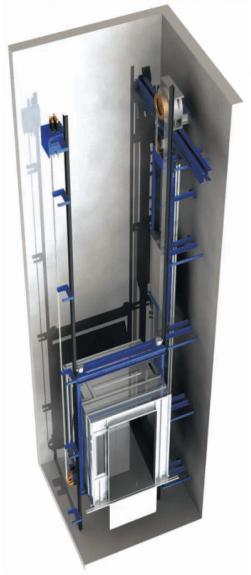
The durable and anti-aging high-strength materials

Schumacher freight elevator not only applies high-intensity section materials to manufacture the cars, but also implements special reinforcement design to the car platform. It brings about the more durable and anti-aging products.

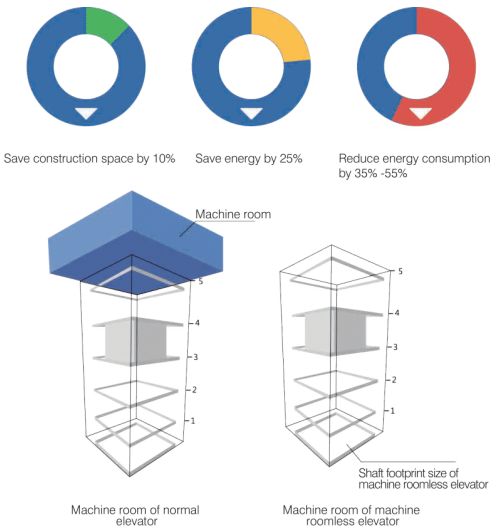
Machine-roomless Freight Elevator

Schumacher machine roomless elevator offers an infinite possibility for vast constructions

Schumacher machine roomless freight elevator have many energy-saving and loss-reducing ideas. It not only saves the building area, but also greatly increases design freedom, It is also very environmentlly friendly. Compared with same load level for a freight elevator with machine room, it saves 25% of the electric energy and 10% of the building area.



Machine roomless freight elevator



freight elevator different kinds of buildings.

Schumacher machine roomless freight elevator only needs a hoistway without a machine room. It brings about more design freedom to many different building designs.

Easy and effective installation

Easy installation it vital for freight transport in the elevator application. SCHUMACHER machine roomless freight elevator provides the customers with easy and effective installation plans. It ensures normal progress of the construction projects.

New generation variable frequency voltage regulation and speed governor technology

It is of the remarkable energy-saving, environmental protection, comfortable travel, maintenance-free, low noise and small size.

AC variable frequency door machine

The advanced technology not only saves energy, but also increases door opening/closing accuracy and ensures smooth travel of the door.

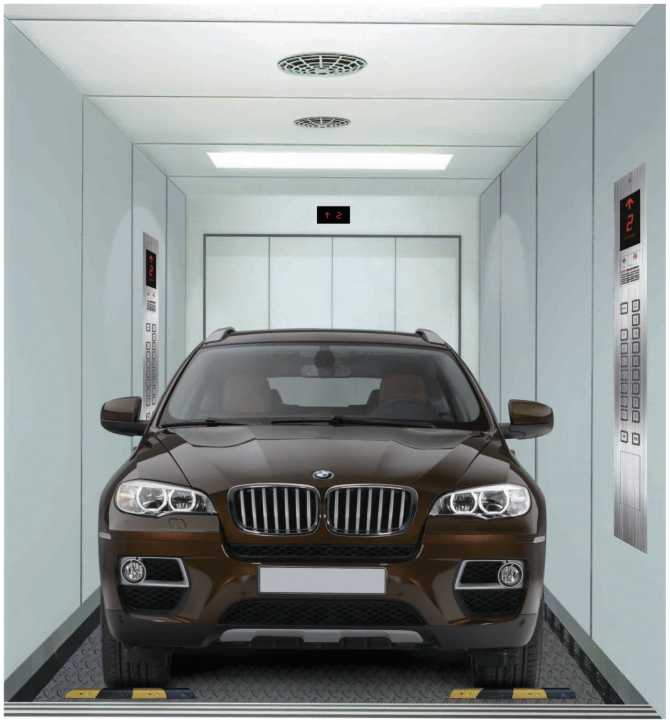
Standby & technology

When the elevator is in stand-by mode, it automatically cuts off the lighting and ventilator fan in the elevator.

Automobile Elevator

Escort you and the car

Schumacher car elevator take years of car elevator manufacturing technology from Schumacher USA, using highly sophisticated VVVF technology to precise control speed, avoid the noise and car jitter caused by traction system load increased because uneven stress of car, maximize optimization features of this series products.



Dual operation buttons box

There are two push-button operation boxes in the car. Therefore the driver can operate the elevator in the car without stepping out of it.

Special display system

Special circuit control and display system is convenient for the drivers inside/outside the car.

Safety guide device

Safety guide device sets in the car ground to ensure fine security of both the automobile and the elevator.

Front/rear door opening are available

The elevator car is positioned between the front and rear door openings which is more convenient for the safety aspect and for the cars to enter into/exit from the elevator cars.

Dumbwaiter Elevator

Using industrial computer (PLC) or computer control, complete specifications, novel structure, fine workmanship, with safe, reliable, stable, easy to operate the car and landing doors made of high quality stainless steel plate production lines, luxury and beauty, widely used in hotels , restaurants and other units, is popular among customers.

Superior performance

Electric lock function: call the base station is equipped with electric locks ladder box, used to start and shut down the elevator control circuit;
Run fault protection function: When outside the normal run time of 10 seconds, the elevator stops, to prevent burn out the motor;
Fault self-display: the diagnosis of faults in code display;
Self-diagnostic capabilities: the ability to diagnose and identify the causes;
Restoring self-insurance function: if the control signal circuit short-circuit the insurance automatically disconnects when the failure to eliminate auto-connect after the insurance;
Contactor adhesion protection: If contactor coil power disconnected contacts unable to prevent the re-run to ensure safety;

Superior performance

Answer the call: Press the call button, the called elevator buttons light on, lights off after arriving;
Beeper function: When arrive, the beeper will remind;
Door status indicator: landing door open after elevator arrive, digital display door status and prompts this elevator is used in this layer;
Operating direction display function: the direction indicated by the vertical line luminous arrow;
Floor display: the floor(elevator arrive) is digital displayed;

Car Decoration And Design

Standard

Ceiling	paint steel (color optional)
Car wall	paint steel (color optional)
Car door	paint steel (color optional)
Lighting	Energy-saving fluorescent lamp
Floor	Corrugated steel

Optional

Ceiling	Hairline stainless steel
Car wall	Hairline stainless steel
Car door	Hairline stainless steel
Lighting	Energy-saving fluorescent lamp
Floor	Corrugated steel

Landing Door Series

Side opening & double-fold type

Standard
Jamb: Painted steel (optional color)
Landing door: Stainless steel
Sill: Iron-made

Side opening & three folded type

Standard
Jamb:Painted steel (optional color)
Landing door: Painted steel
Sill: Iron-made

Side opening & double-fold type

Standard
Jamb: Painted steel (optional color)
Landing door: Painted steel
Sill: Iron-made

Center-opening & double-folded type

Optional
Jamb: Painted steel (optional color)
Landing door: Painted steel
Sill: Iron-made

Car Operation Panel

SMK-201
(Standard)

Plate spray card

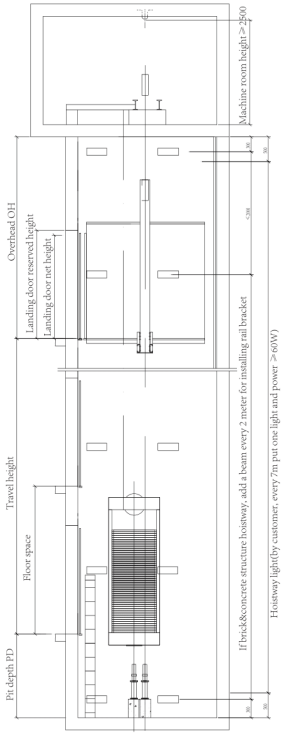
SMK-S010
Cream-colored

SMK-S020
Light gray

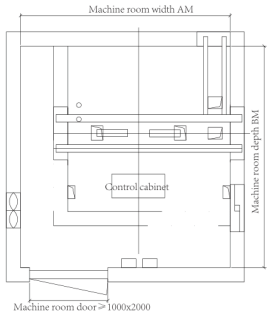
SMK-S030
Aurora Silver

SMK-S040
Apple green

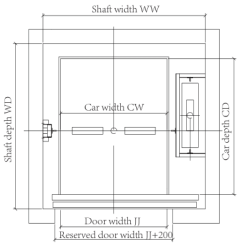
Freight Elevator Civil Figure



Shaft& machine room vertical section



Machine room layout



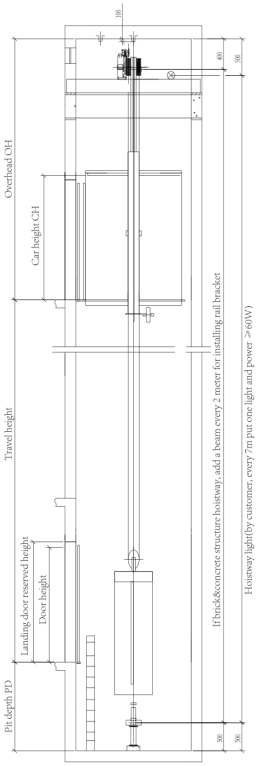
Shaft layout

Standard machine room freight elevator Technical Data Sheet

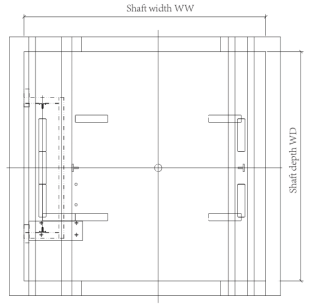
Capacity KG	Speed m/s	Door opening	Car dimension CW*CD*CH(mm)	Door size JJ*HH(mm)	Shaft size			Max. travel height TH(m)
					shaft width* shaft depth WW*WD(mm)	overhead OH(mm)	pit depth PD(mm)	
1000	0.5	sliding two panel	1400*1700*2200	1400*2100	2500*2200	4200	1400	30
2000	0.5	sliding two panel	1700*2400*2200	1700*2100	3000*2850	4200	1400	30
3000	0.5	center four panels	2000*2900*2200	2000*2100	3500*3350	4500	1500	30
4000	0.5	center four panels	2200*3300*2200	2200*2100	3800*3950	4600	1500	30
5000	0.5	center four panels	2500*3600*2200	2500*2100	4200*4200	4800	1600	30

Note: the above for the civil diagram, detailed dimensions see construction plans, specific to the technical department to provide construction drawings.

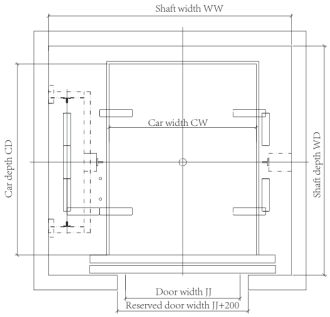
Machine Roomless Freight Elevator Civil Figure



Shaft vertical section



Top layout



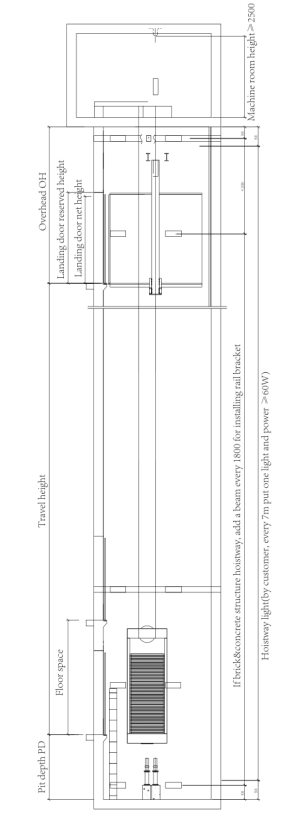
Shaft layout

Standard machine roomless freight elevator Technical Data Sheet

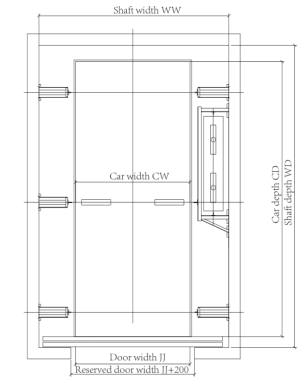
Capacity KG	Speed m/s	Door opening	Car dimension CW*CD*CH(mm)	Door size JJ*HH(mm)	Shaft size			Max. travel height TH(m)
					shaft width* shaft depth WW*WD(mm)	overhead OH(mm)	pit depth PD(mm)	
1000	0.5	sliding two panel	1400*1700*2200	1400*2100	2500*2100	4200	1500	30
2000	0.5	sliding two panel	1700*2400*2200	1700*2100	3050*2850	4500	1600	30
3000	0.5	center four panels	2000*2900*2200	2000*2100	3500*3350	4700	1700	30
4000	0.5	center four panels	2200*3300*2200	2200*2100	3850*3950	5200	1800	30

Note: the above for the civil diagram, detailed dimensions see construction plans, specific to the technical department to provide construction drawings.

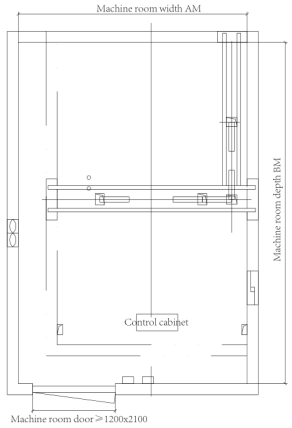
Car Elevator Civil Figure



Shaft& machine room vertical section



Shaft layout



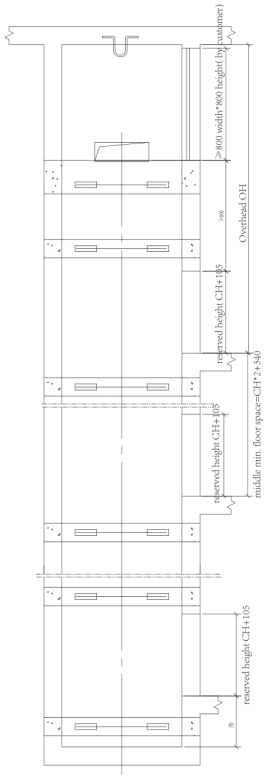
Machine room layout

Standard car elevator Technical Data Sheet

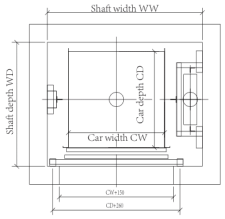
Capacity KG	Speed m/s	Door opening	Car dimension CW*CD*CH(mm)	Door size JJ*HH(mm)	Shaft size			Max. travel height TH(m)
					shaft width* shaft depth WW*WD(mm)	overhead OH(mm)	pit depth PD(mm)	
3000	0.5	center four panels	2500*6000*2400	2500*2400	4150*6700	4800	1600	30
5000	0.5	center four panels	3500*7000*2400	2800*2400	5000*7800	5200	1700	30

Note: the above for the civil diagram, detailed dimensions see construction plans, specific to the technical department to provide construction drawings.

Dumbwaiter Elevator Civil Figure



Shaft& machine room vertical section

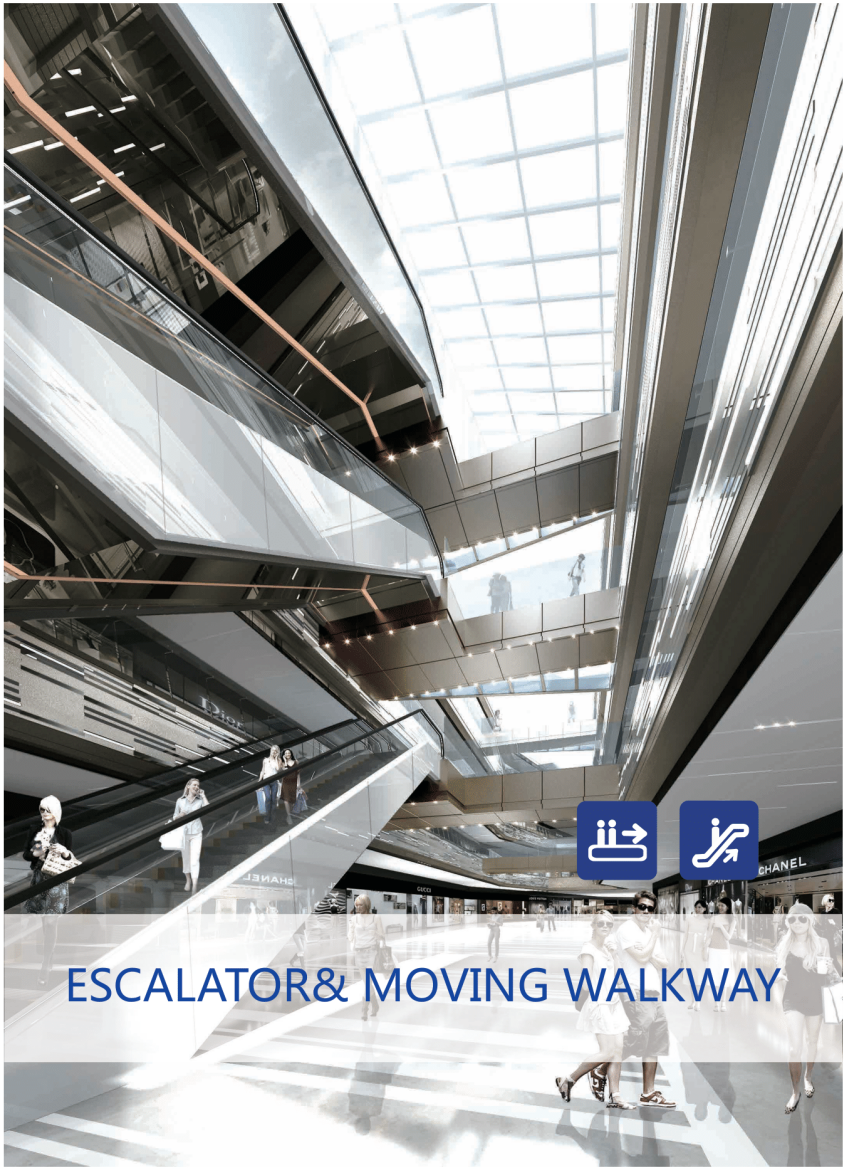


Shaft layout

Standard service lift technology parameter table

Capacity KG	Speed m/s	Door opening	Car dimension CW*CD*CH(mm)	Door size JJ*HH(mm)	Shaft size			Max. travel height TH(m)
					shaft width* shaft depth WW*WD(mm)	overhead OH(mm)	pit depth PD(mm)	
100	0.4	Center opening	800*800*800	800*800	1400*1200	2800	800	50
200	0.4	Center opening	900*900*900	900*900	1500*1300	2800	800	50
250	0.4	Center opening	1000*1000*1000	1000*1000	1600*1400	2800	800	50

Note: the above for the civil diagram, detailed dimensions see construction plans, specific to the technical department to provide construction drawings.



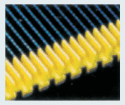
Escalator

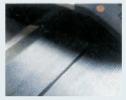
Urban atmosphere, beautiful landscape

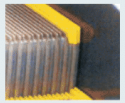
Schumacher serial escalators fully apply the unique materials and the advanced domestic and overseas technology for design and manufacture. The escalators have the consummate structure, elaborate stairway, delicate belt, attractive outline, They are widely applicable for large passenger flow areas such as the shopping centers, supermarkets, subways, airports etc. It adds a charming mobile view for very large buildings.

It has features such as smooth running, low noise, fine durabiltity, convenient repair, fine and exquisite structure, consummate lift-way, remarkable belt-way, attractive outline model, magnificent design style with gentle modern flavor, A safe cozy and beautiful escalator can let you enjoy the pleasant and comfortable moment every day.

Schumacher serial escalator will exceed your expectations! It is widely applicable for the shopping center, supermarket, subway, airport etc. It adds movement and beauty to your buildings.


Apply US ANSI standard, more safety

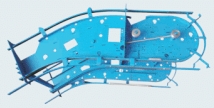

All stainless steel design is more rugged, beautiful


Unique 8mm safe border and yellow non-slip pattern border


Streamlined Slim handrail is more ergonomic handrail


Patented compact, concise handrails drive system


Upper assembly


Lower assembly

Extended life

It adopts the metal beam with light weight and high tensile strength. In this way, it ensures the integral rigidity of the products. The automatic lubricating system can guarantee the prompt and automatic parts fueling which extends the useful life of the products.

Beautiful appearance

The super-consciousness aesthetical design,technological design which conforms with the ergonomics principle.It keeps close to the latest global tide and forms a perfect harmony with the buildings and the surrounding environments.

Very smooth

It adopts the advanced control system and decelerator.The superior drive chain and precise installation technology ensures that the product runs smoothly.

Very safe and reliable

It strictly executes the current Chinese and European standards such as GB16899-2011 safety criteria for the production and installation of escalator and auto-walk etc. It has set all the necessary safety devices, adopted the micro-computer control technology, fulfilled non-contact control with safe and reliable running.

Accurate open & close control

It adopts the high tensile strength metal structure which makes it appear more compact for the product outline dimension.

Continuous montoring

The super CPU main board monitors the operation in real time. If any abnormal situation occurs, it automatically brakes and records the malfunctions code.

Passenger Conveyor

As Easy As In Smooth Ground, The Everlasting Popular Design & Quality

In colorful modern city, supermarkets, public buildings, airports, exhibition centers and transport interchanges and other public transport situation, moving walkways due to its characteristics, not only to meet the huge flow of people's transport problems, but also to meet walking long distances and transport baggage cart, stroller, shopping cart, disabled vehicle, etc. when people take escalator to upstairs and downstairs, they will feel like the ground cover, a great convenience to people's travel and shopping. It is convenient, fast and pleasant ride demands, thereby has become first solution for supermarkets, airports, exhibition centers and transport interchanges.

The Performances Advantage

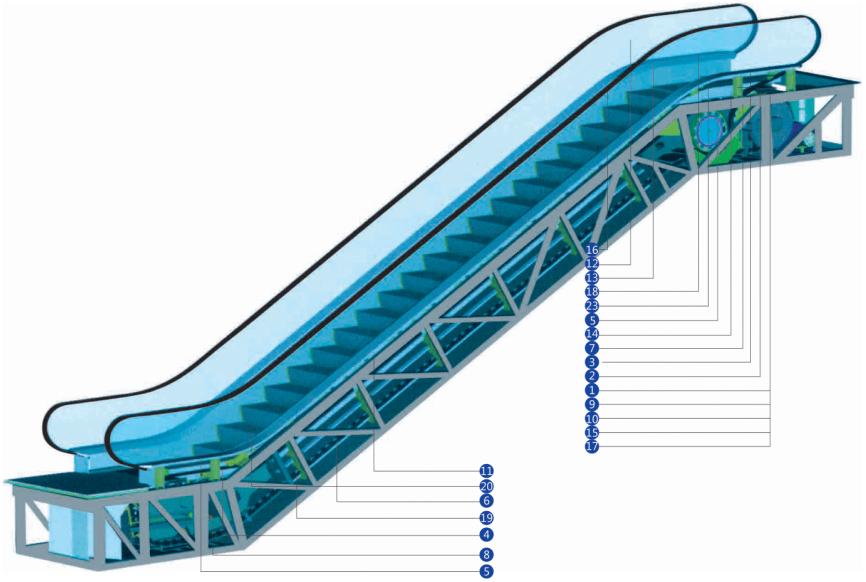
It blends with modern design and style.

The stairway guide rail design with armrest fixes the whole stairway running in guide rail, It controls the stairway movement, avoids friction between the steps, skirting and comb teeth, It is convenient for installation, adjustment, repair and maintenance, It greatly increases the running effects.

High efficiency & energy-saving

Customer can choose VVVF control to control running speed, the energy saving performance is obvious, It can prolong product life and reduce the operation cost.

Escalator Safety Device



Standard safety device

1. Lack of phase, error phase protection
If lack phase or error phase has been checked out, the escalator (auto-walk will automatically stop the operation.

2. Motor over-load protection
When the current exceeds 15% of the current tating, the escalator will automatically stop the operation.

3. Electrical appliance loop protection
It offers the automatic circuit disconnecting device to protect the circuit and main components of the escalator (auto-walk).

4. Handrail inlet protection
When some foreign substance has been clipped in the handrail inlet, the escalator (auto-walk) will automatically stop the operation.

5. Comb plate safety device
When some foreign substance has been clipped in or between the combs, the escalator (auto-walk) will automatically stop the operation.

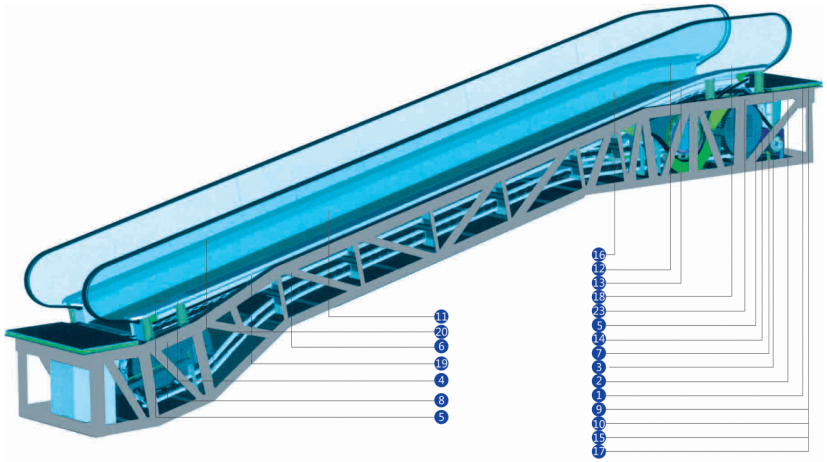
6. Step sagging protection device
When there is abnormal step bending, the escalator (auto-walk) will stop the operation before the step entering into the comb plate.

7. Broken drive-chain safety device
When the drive-chain has been over-stretched or it is broken, the escalator (auto-walk) will automatically stop the operation.

8. Broken step chain protection
When the step (pallet) chain has been over-stretched or it is broken, the escalator (auto-walk) will automatically stop the operation.

9. Over-speed protection
When there is over-speed to the escalator (auto-walk), it will automatically stop the operation.

Passenger Conveyor Safety Device



10. Direction reversal protection
When it comes the unintentional reversal of the direction of travel, the escalator (auto-walk), will automatically stop the operation.

11. Security line
The yellow synthetic resin security line is located in the front position and two sides of the escalator tread so that the passengers will not tread in-between the edge of the adjacent step and the lift group lengthened skirt panel, The security line on both sides of the step is higher than tread surface, (The auto-walk offers the selective yellow spray-painted security line.)

12. Emergency button
When the button has been pressed down, the escalator (auto-walk), will stop the operation.

13. Skirt panel protection
When some foreign substance has been clipped in between the skirt panel and the step, the escalator (auto-walk) will automatically stop the operation.

14. Brake protection
When the electric force falls short of supply or it acts any of the safety device, the brake function goes into effect by the safety device through the spring resilience action, In this way, the escalator (auto-walk) stops the operation.

15. Safety inspection switch
It is a safety device to prevent from the escalator starting during the inspection and maintenance.

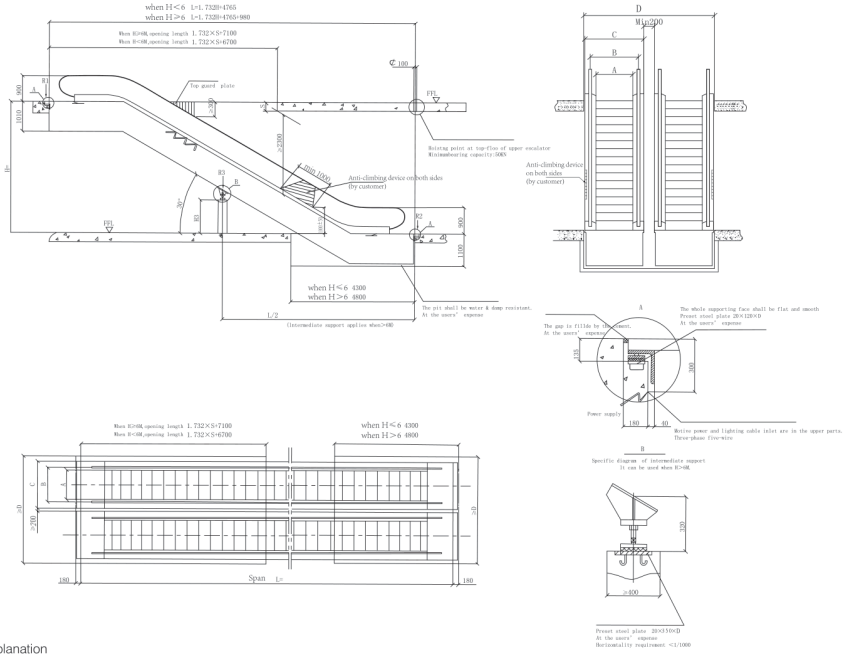
16. Warning lights
Illumination exists in the upper and lower ends of the escalator, in the lower part of the step in order to remind the passengers of the security matters.

17. Alarm bell starting device
The alarm bell rings when it starts the escalator in order to remind the passengers of the security matters.

18. Control device for handrail breakage
When the handrail is broken, the escalator will automatically stop the operation.

Construction Parameters

30°VF-escalator



Explanation

1. When the escalator is installed up to second floor, cancel pit, civil substructure and the upper symmetrical, pit should be waterproof by customer.
2. The upper and lower escalator entrance should have sufficient flow area, depth dimension from the front end to the steering handrail obstacle should be not less than 2500mm.
3. users to provide a ground resistance which is less than 4Ω. Current power wiring should be three-phase five-wire system by customer.
4. Truss decoration on three sides by customers, decorated weight should less then 30Kg / m2.
5. All dimensions in mm, subject to change without notice.
6. The figure "S" represents floor beam thickness.

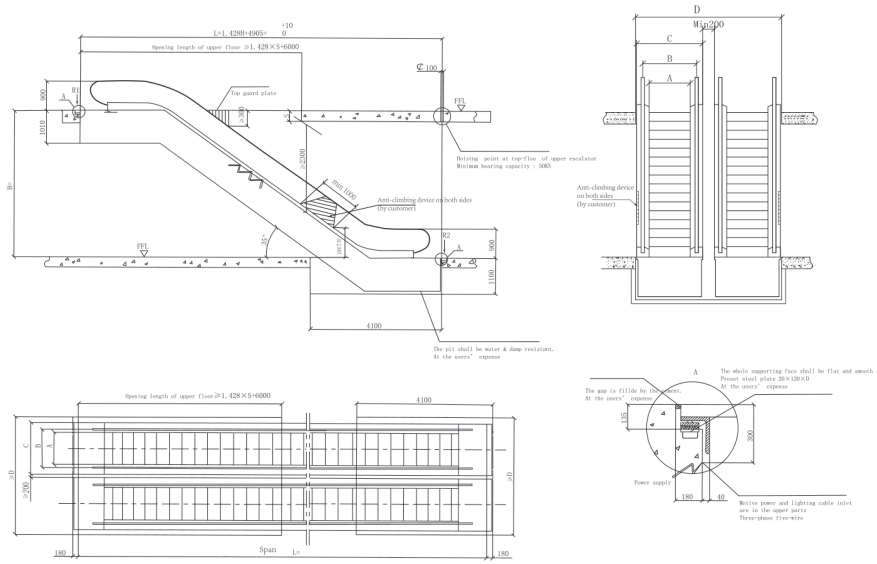
1000	1000	1238	1660	3500
800	800	1038	1460	3100
Step width mm	A	B	C	D
Center support H3(L/2- 2600)×tg30° - (897/cos30° +300)				

Type Model	Travelling height mm	Net weight (two set) KN	Support(two set) R1 KN	Support(two set) R2 KN	Motor power KW	Cab Dimensions h	Cab Dimensions I
Fml- 302(800) (4800persons/h) speed0.5m/s	3000	118	104	94	5.5	2080	10900
	3500	126	112	100		2110	11890
	4000	134	120	108		2140	12880
	4500	142	128	114	8	2160	13870
	5000	148	136	120		2170	14860
	5500	164	148	132		2190	15860
	6000	172	156	138	11	2200	16850
Fml- 302(1000) (6000persons/h) speed0.5m/s	3000	126	118	106	5.5	2080	10900
	3500	134	128	114	8	2110	11890
	4000	142	136	122		2140	12880
	4500	150	146	130		2160	13870
	5000	166	158	142	11	2170	14860
	5500	174	168	150		2190	15860
	6000	184	176	158		2200	16850

Note: when lifting height >6m, civil dimensions please consult our company

Construction Parameters

35°VF-escalator



Explanation

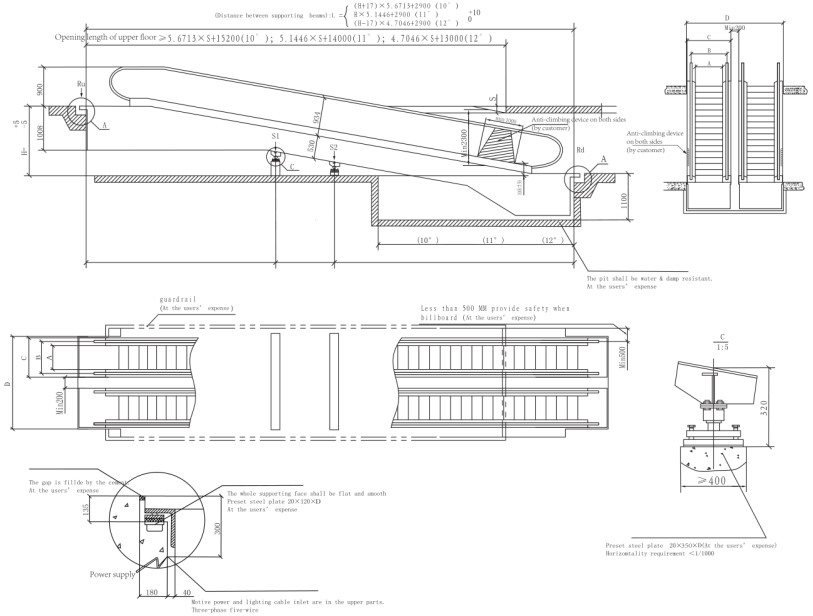
1. When the escalator is installed up to second floor, cancel pit, civil substructure and the upper symmetrical, pit should be waterproof by customer.
2. The upper and lower escalator entrance should have sufficient flow area, depth dimension from the front end to the steering handrail obstacle should be not less than 2500mm.
3. users to provide a ground resistance which is less than 4Ω. Current power wiring should be three-phase five-wire system by customer.
4. Truss decoration on three sides by customers, decorated weight should less then 30Kg / m2.
5. All dimensions in mm, subject to change without notice.
6. The figure "S" represents floor beam thickness.

1000	1000	1238	1660	3500
800	800	1038	1460	3100
Step width mm	A	B	C	D
Center support H3(L/2- 2600)×tg30° - (897/cos30° +300)				

Type Model	Travelling height mm	Net weight (two set) KN	Support(two set) R1 KN	Support(two set) R2 KN	Motor power KW	Cab Dimensions h	Cab Dimensions I
Fml- 302(800) (4800persons/h) speed0.5m/s	3000	112	98	88	5.5	2180	10180
	3500	120	104	94		2220	11030
	4000	126	112	100		2250	11890
	4500	132	118	106	8	2270	12750
	5000	140	124	112		2300	13610
	5500	146	130	118		2310	14470
	6000	152	138	122	11	2330	15330
Fml- 302(1000) (6000persons/h) speed0.5m/s	3000	120	112	100	5.5	2180	10180
	3500	128	120	106	8	2220	11030
	4000	134	128	114		2250	11890
	4500	142	134	120		2270	12750
	5000	148	142	128	11	2300	13610
	5500	158	154	138		2310	14470
	6000	166	162	144		2330	15330

Construction Parameters

VF-moving walk



Explanation

1. When the moving walkway is installed up to second floor, cancel pit, civil substructure and the upper symmetrical, pit should be waterproof by customer.
2. Moving walkway entrance should have sufficient flow area, depth dimension from the front end to the steering handrail obstacle should be not less than 2500mm.
3. users to provide a ground resistance which is less than 4Ω. Current power wiring should be three-phase five-wire system by customer.
4. Truss decoration on three sides by customers, decorated weight should less then 30Kg / m2.
5. All dimensions in mm, subject to change without notice.
6. When step is aluminum material, please ask for civil size from us
7. The figure "S" represents floor beam thickness.
8. Supporting force is approximate; all dimensions in millimeters (mm); all loads

Units are KN; Will be without notice if change.

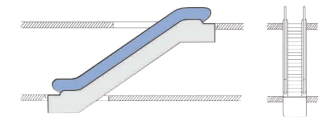
Supported by force	q	M	N
RML800	0.0039	9.5	4.5
RML1000	0.0045	11	5

RML800	800	1038	1460	3260
RML1000	1000	1238	1660	3660
step width mm	A	B	C	D

Support		
Without center support support (KN)	Single center support (KN)	Double center support (KN)
Ru=L*q+M	Ru=L*q+M	Ru=L*q+M
	Rd=L*q+N	Rd=L*q+N
Rd=L*q+N	S1=(La+Lb)*q*1.3	S1=(La+Lb)*q*1.3
		S2=(La+Lb)*q*1.3

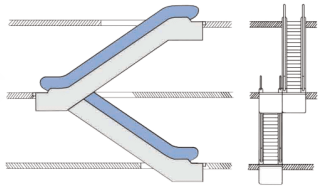
Tiltangle	Rise		Intermediate support		La	Lb	Lc
	from	to	S1	S2			
10°	1273	2154	-	-	-	-	-
	2155	3388	1	-	7000	L- 7000	-
	3389	4799	1	-	L- 15000	15000	-
	4800	6000	1	1	7000	15000	L- 22000
11°	1423	2394	-	-	-	-	-
	2395	3754	1	-	7000	L- 7000	-
	3755	5309	1	-	L- 15000	15000	-
	5310	6000	1	1	7000	15000	L- 22000
12°	1572	2634	-	-	-	-	-
	2635	4122	1	-	7000	L- 7000	-
	4123	5822	1	-	L- 15000	15000	-
	5823	6000	1	1	7000	15000	L- 22000

Escalator Arrangements Planning



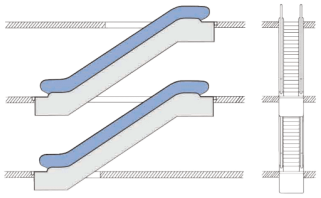
Single unit arrangement

particularly suitable for transporting passengers between two floor levels, where passenger flow is in one direction, although on-demand starting can be utilized to allow travel in both two directions, (e,g,up in the morning and down in the evening).



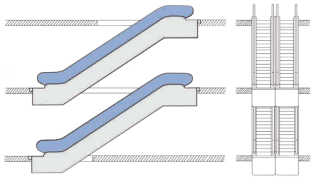
Continuous arrangement (one travel direction)

Mainly suitable for small department stores, between three sales floor levels, More space required than the interrupted arrangement.



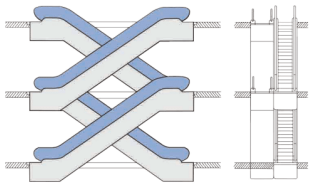
Interrupted arrangement (one travel direction)

Passengers have to make a short detour to the next escalator, strategically placed displays alongside the route of this detour can help to increase sales by encouraging impulse buying.



Multi-level parallel arrangement (interrupted traffic, two travel directions)

Mainly used in department stores and public buildings with a heavy traffic flow, When there are three or more escalators, the possibility to reverse the direction of travel of both escalators depending on the usage or traffic flow, this arrangement is economical, since no decorative truss cladding is required.



Multi-level criss -cross arrangement (continuous traffic flow, two travel dirctions)

Mainly used in major department stores, public buildings and public transport buildings, reduce congestion at the landing area by separating upwards and downwards travelling passengers.