

## Global Service Network-Overseas Area

### IFE Elevators & Escalators (Russia)

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Address: The Mansion Dukuh Golf Kemayoran Tower Fontana Lt.21 Unit L2 & m2,  
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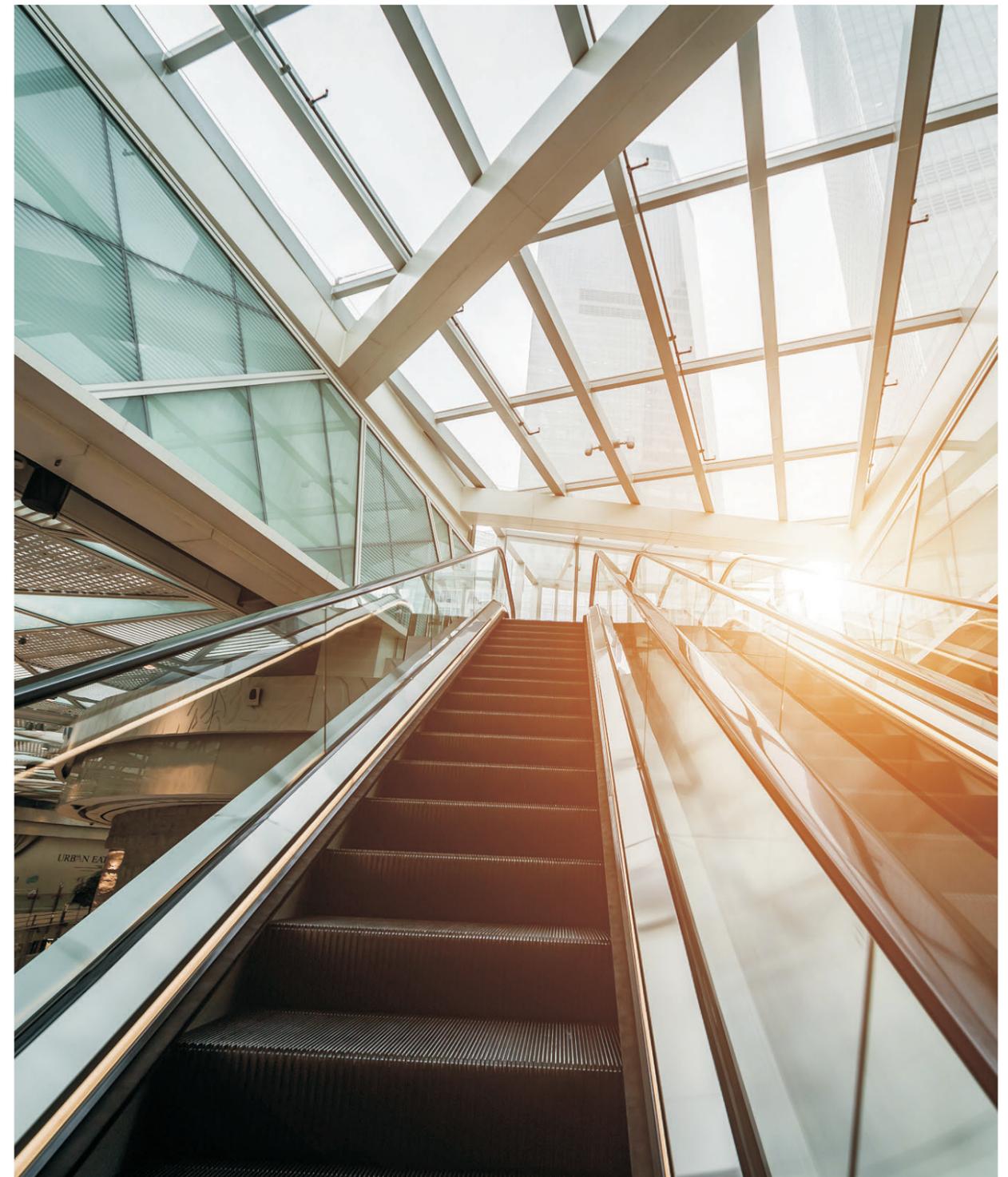
### IFE ELEVATORS CO.,LTD

China Factory: Qingxi Town, Dongguan City, Guangdong  
Tel: +86-769-82078888 Fax: +86-769-87732448  
Hotline: 400-6789-443 Website: www.ife.cn

The image and content are just for you reference and please be subject to the actual products. Please pardon us for not informing you in advance if anything updated.

Please contact IFE for details.

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## GRACES/T2 Escalator/Travalator

Trusted by the World  
Stock code: 002774





Escalator Testing Tower

Elevator Testing Tower

30 Meters Heavy Duty Testing Escalator

## SAFER THAN SAFER

- First group of elevator companies awarded class A certificate in manufacturing, installation, maintenance certified by National Quality Inspection Department
- An area of 110,000 square meter global production industrial park as international leading elevator and escalator test tower
- Approved National Hi-tech Enterprises and provincial Elevator Research and Development Center
- With product sales to 5 continents 33 countries and area around the world
- 101 branches and service points in the globe
- More than 1000 after-sale service technicians and engineers



Indonesia Pakmerah Metro Station Project



Malaysia IDCC Shopping Mall Project



Malaysia JKCC Shopping Mall Project



India New Delhi Metro Station Project



Philippines Bai Hotel Project



Philippines China Town Project



HongKong Lok Fu Shopping Center Project

# CONFIDENCE



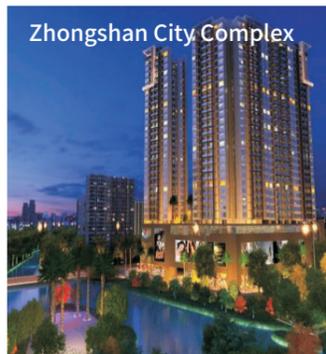
Guangzhou Flower Shopping Center Project



Foshan Shibo Plaza Project



Shanxi Wanmashi Shopping Center Project



Zhongshan City Complex



Datong Zhengde Plaza



Henan Jiulong City



Guizhou City Plaza

# QUALITY



## European Union CE Certification

**MIRTEC**  
**BETRAM**

**CERTIFICATE OF CONFORMITY**  
 (MANUFACTURER INTERNAL CHECK APPLICATION According to VIL 2006/42/EC)  
 Certificate No: MCH/A-C-14218

Applicant/Certificate holder: IFE ELEVATORS CO., LTD.  
 Address: Jinhong Rd, Jinhong Industrial Zone, Qingxi, Dongguan, Guangdong, China

Submission date of the application: 10/05/2018

Manufacturer: SAME AS THE APPLICANT

Product designation: ESCALATOR / TYPE: GRACES  
 Model(s): GRACES 30-600 GRACES 35-600  
 GRACES 30-800 GRACES 35-800  
 GRACES 30-1000 GRACES 35-1000  
 (TECHNICAL SPECIFICATIONS IN ANNEX I)  
 (MOTOR POWER CONFIGURATION TABLE IN ANNEX II)

Technical file No: TCF-USA-2018021

EC Directive: MACHINERY DIRECTIVE 2006/42/EC  
 Applicable Standards: EN 1251-1:2017  
 EN 60204-1:2006-AC:2010  
 Dongguan, China

Place of inspection/testing: EN 60204-1:2006-AC:2010  
 Date & Number of Test Report: MCH/A-R-0142/18,28/06/2018

**Result of the examination - Declaration:**  
 The assessment machinery department of M.I.R.T.E.C. S.A. certifies that the above manufacturer has completed a technical file according to requirements of annex VIL 2006/42/EC, which file has been deposited on May 2018 for examination of the manufacturer internal control according to annex VIL 2006/42/EC.

The Manufacturer performs for every product the internal control, issues a declaration of conformity according to the basic requirements of the relative directive and places the "CE" marking with his own responsibility. The machine must be accompanied by operation and maintenance instructions.

Essential changes of designing and manufacturing of the machine must be declared to M.I.R.T.E.C. S.A.

Place / Date of issue: ATHENS, 28.08.2018  
 Validity of the certificate: 17.08.2023

For MIRTEC S.A. Director Athens Office

Certifying department for Machinery  
 S. Spiliopoulos  
 Inspector of lifts

## Russian CU Certification

**ERC**  
 ТАМОЖЕННЫЙ СОЮЗ  
 ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ

Заявитель, Общество с ограниченной ответственностью «Маркет Сервис», Государственный регистрационный номер № 1087746311718  
 Место нахождения: 124460, Российская Федерация, Московская область, город Зеленоград, корпус 1205, нежилое помещение 1, Физический адрес: 124460, Российская Федерация, Московская область, город Зеленоград, корпус 1205, нежилое помещение 1, Телефон: +7(495)404811, Факс: +7(495)460096, Адрес электронной почты: office@market-gate.ru  
 в лице Генерального директора Карена Марго Оганезовича

товары, для которых требуется маркировка "Eurasian Conformity" (декларация о соответствии в соответствии с ТР ТС 004/2011 "О безопасности лифтов и подъемных устройств", ТР ТС 030/2011 "Техническая совместимость электротехнических устройств")

изготовитель: ТЭГ "Белград С.С.И.П." Место нахождения: Коммунальный район Фрунзена, Jaling Industrial Zone, Xikang Village, Qingxi Town, Dongguan City, Guangdong Province, P.R.China  
 Физический адрес: Коммунальный район Фрунзена, Jaling Industrial Zone, Xikang Village, Qingxi Town, Dongguan City, Guangdong Province, P.R.China  
 Код ТН ВЭД: 8424000000  
 Сторонний адрес: \_\_\_\_\_

компетентное учреждение  
 ТР ТС 004/2011 "О безопасности лифтов и подъемных устройств", ТР ТС 030/2011 "Техническая совместимость электротехнических устройств"  
 Декларация о соответствии выдана на основании:  
 протокола № 5179-03/18-1380, 5179-02/18-1381 от 18.06.2018 года. Испытательный лаборатория Общества с ограниченной ответственностью "Ресурс" аттестат регистрационный № РОС.С.И.0001.15.0000 действителен до 21.10.2018 года.  
 Дополнительные сведения:  
 Условия хранения, перевозки и эксплуатации в соответствии с ТЕСТ 15150-09. Срок хранения изделия, хранения у заказчика в периодичной и периодичной эксплуатации в течение всего срока службы изделия, хранения в периодичной эксплуатации, хранения в периодичной эксплуатации. Длительность хранения: 30 лет с даты выпуска изделия.  
 Декларация о соответствии действительна с даты регистрации до 18.06.2029 включительно.

И.О. Курнов  
 Генеральный директор организации  
 или Владелец организации  
 или Лицо, уполномоченное на участие в процедуре декларирования

Сделана с учетом декларации о соответствии:  
 Регистрационный номер декларации о соответствии: TC RU 2.С.А.16.В.3493  
 Дата регистрации декларации о соответствии: 19.06.2014

## Russian CU Heavy Duty Testing Report

**SISE** **IMA** **AL** **IBR-IBRA** **CNAS**

**特种设备型式试验证书 (电梯)**  
 证书编号: TSX 331003820170006

申请单位名称: 珠海电梯股份有限公司  
 申请单位注册地址: 广东省珠海市横琴新区珠海横琴口岸综合保税区  
 制造单位名称: 珠海电梯股份有限公司  
 制造单位注册地址: 广东省珠海市横琴新区珠海横琴口岸综合保税区  
 设备类别: 自动扶梯与自动人行道 设备品种: 自动扶梯  
 产品名称: 自动扶梯 产品型号: GRACES  
 型式试验报告编号: 2017AF0255

型式试验: 确认该样品符合《电梯型式试验规则》(TSG T7007-2016)的规定。  
 该样品符合 GB 16699-2011《自动扶梯和自动人行道的制造与安装安全规范》以及 EN115-1:2008《Safety of escalators and moving walks - Part 1: Construction and installation》的相关规定。  
 本证书适用的产品型号: GRACES  
 本证书适用的产品参数表见配置表。

发证日期: 2017年10月17日  
 广东省特种设备安全检验检测院  
 广东省质量监督电梯检验站 (深圳)

注: 中国特种设备检验检测研究院安全技术规范及相关标准规定, 以及型式试验样品的一致性。

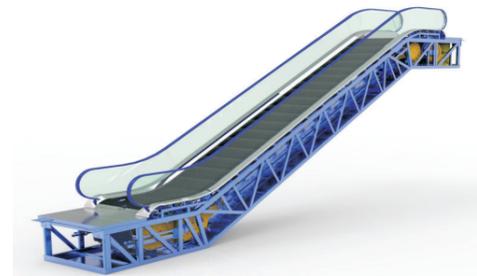


**SAFETY**  
Is promised and security to the customer





## Truss Platform With High Strength, Avoiding the Accident with Broken Collapse



### Arch-shaped designation, carrying the Joint Force

It was supported by scientific new system designation. The arch-shaped components and truss components are connected. By carrying the force together, it apparently reduced the bending moment and the deflection of the truss components, and avoided the distortion of truss components efficiently.



### Antiseismic technology protecting us from accidents

When there is an accidents and is unavoidable, the security of the passengers is delicate. The application of antiseismic technology is effectively to protect the passengers.

### Large Truss with Stronger Rigidity

The truss was designed with FEA, its rigidity and anti-distortion property reaching international advanced level. Its distortion rate when full loaded is only 1/1500, which is prior to the national standard(normal escalator is 1/750,and heavy duty escalator 1/1000).



### Large support, carrying the force uniformly

The new designing plans are supported by automatic escalator with super-span. The large support in the middle area effectively remits the weight of the whole escalator. Scientific force design enhances the stability of super-span truss, making it carry the force more uniformly and the stability higher.



## World-class Technology, Life Time of Truss Can Reach 30 Years



### Instrument with High Precision for the thickness

Test the thickness of electrophoresis paint film precisely, and identify the film automatically. the thickness of the film is 100mm.



### Dump Heat Test for 8000 Hours

Strictly testing for adhesive ability of film under damp heat environment to guarantee the corrosion property.



### Salt Spray for 1500 hours

To guarantee escalator's ability of corrosion in the salt spray and all the wicked environment.

## Anti Reverse Safety Protection Device

The first failure detection point, and find out the reverse operation immediately.

Small chain wheel in tractor, positively protected by the double test points on ladder way to detect the reverse.



### Tractor base with high strength avoiding displacement

Under scientific mechanical calculation, the steel plate is stronger and thicker, with stronger compressive property and longer and stabler working time.

Multi fixed place designation, selection with high strength bolt to anti - cutting, failure, and loose Accurate traction machine limiter, machine position is fixed at strong position, double prevention for the traction machine displaced.



### Additional Anti-Lock Brakes to Slow Stop the Escalator

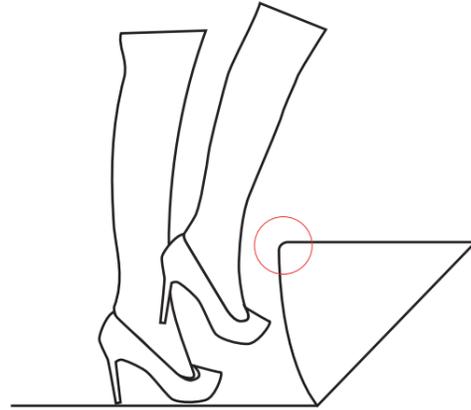
the device can avoid sudden stop of the escalator. it will be a small displacement in the brake disk, similar to the vehicle ABS system. The escalator stops slowly can exclude the situations of slipping and protect the passengers.

### Anti Corrosion & Skidding, Additional Safety Personalized Care

The aluminium alloy steps are process with the most advanced surface techniques, with anti - abrasion & corrosion. it is qualified for the German DIN51130 standard and the level is **R9**. the anti - skidding wheel is used with the international **EHC Brand**. when it load with the heavy weight, it can still operate steadily and smoothly. it provides the passengers with safer and more comfortable traveling experience.



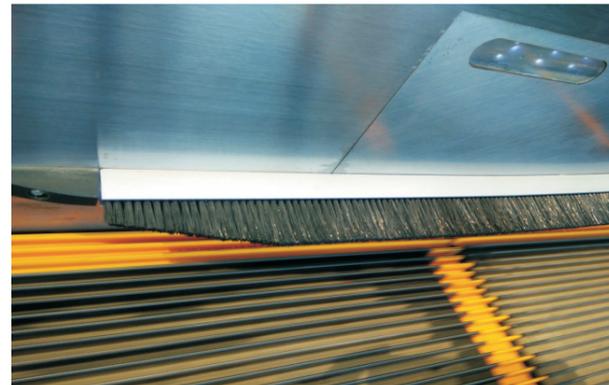
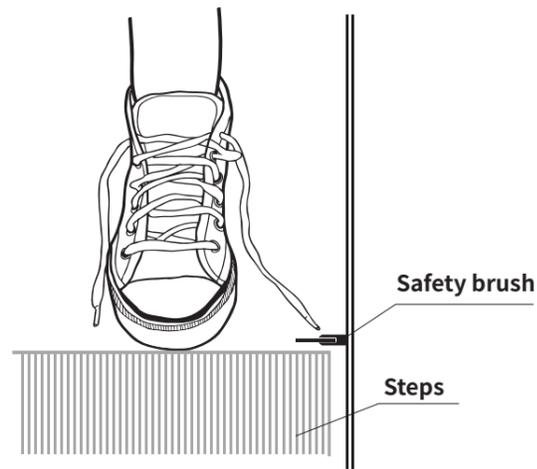
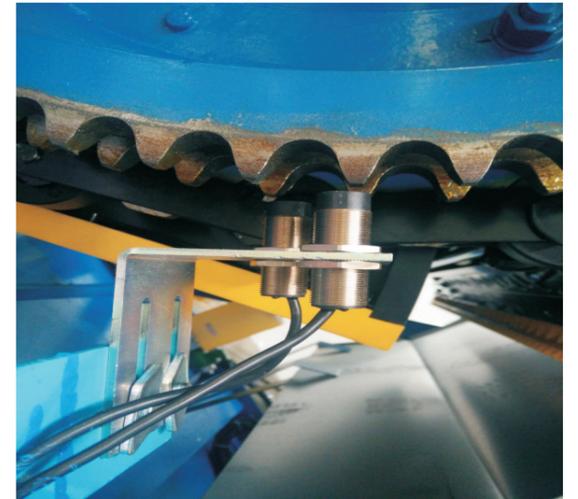
The Arc Angle Design Prevents the Leg of Passenger



### Overspeed Protection

The brand of the detector: Schneider

To detect the speed of escalator is over and avoid the risk for the passenger.



### Safety Brush

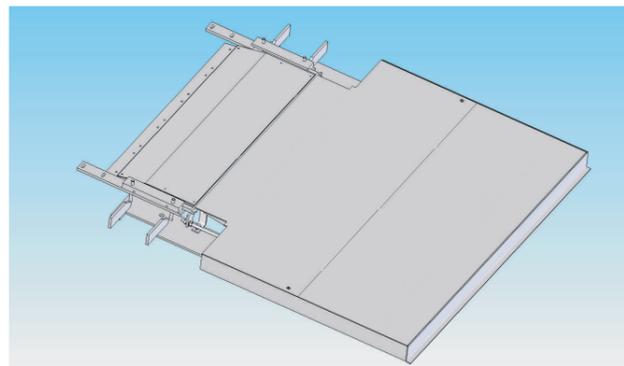
It positively protects the passengers to approach the skirt board, and avoid the debris and shoelaces to clip into the skirt board.



### VVVF Control System

The brand of contactor: Schneider

Comply with the European Escalator Standard EN 12015 & 12016. It is efficiently the operation of the escalator.



### Floor Plate Anti-Rollover Protection

The plate is fixed with bold combination with secondary support. Multi protection for the floor plate turning accidents and protect the passengers.



### Handrail Broken Belt Protection

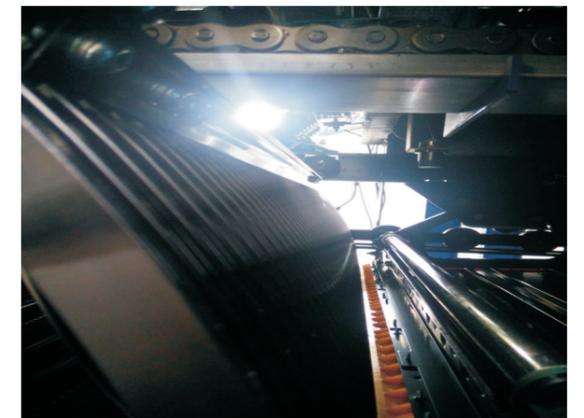
The Brand of the detector: Schneider

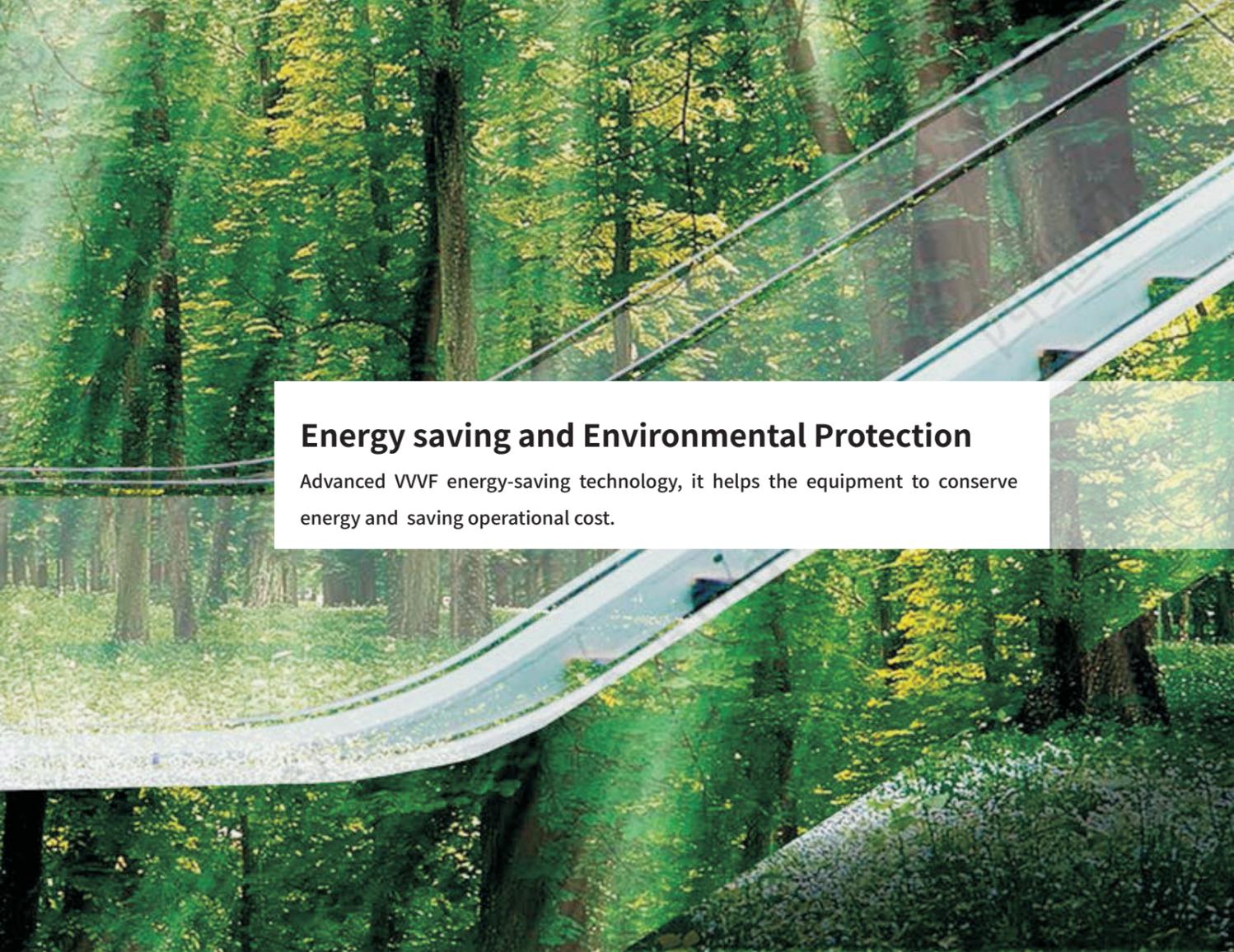
To detect the handrail broken or over extension risk.

### Missing Step Protection

The brand of detector: Schneider

To avoid the accidents are caused by the missing step.



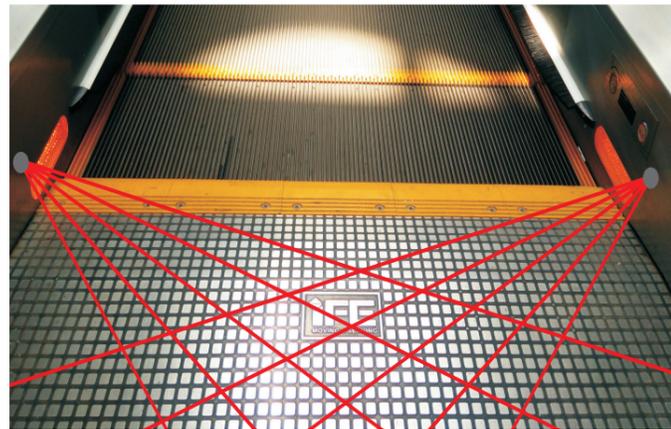


## Energy saving and Environmental Protection

Advanced VVVF energy-saving technology, it helps the equipment to conserve energy and saving operational cost.



## Advance VVVF Technology, Efficiently Energy Saving



### Intelligent Operation

The brand of entrance sensor: Panasonic

To adopt the human body sensor system, the escalator operation can be followed by the traffic situation.

It has completely solved the escalator uneven operation's problem, the maximum degree for the user to save energy.

## All The Model of Escalator and Usage Occasion

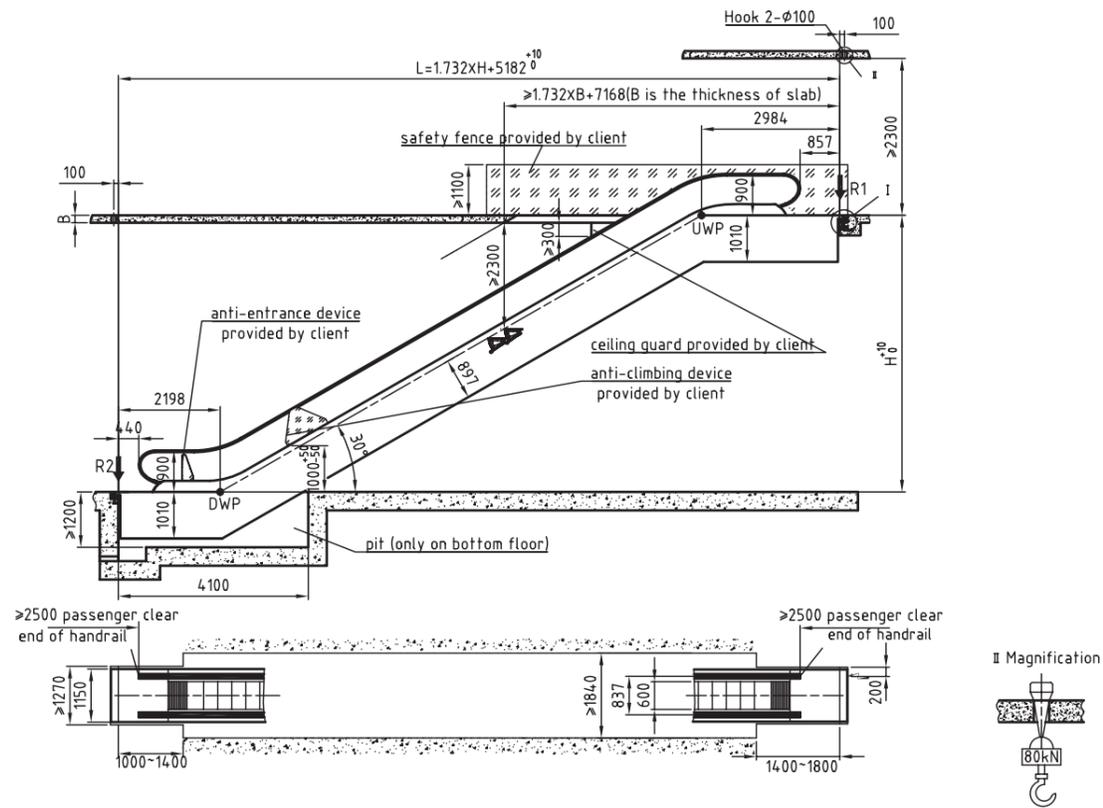
Model	Specification		Occasion Usage
	30°	35°	
Graces-ID	1500mm≤H≤8000mm	1500mm≤H≤6000mm	Indoor Commercial Building
Graces-III	1500mm≤H≤8000mm	1500mm≤H≤6000mm	Outdoor Commercial Building
Graces-HD	1500mm≤H≤21000mm	--	Subway & Metro Station, Airport with Public Transportation
T2	L≤40000mm		Indoor Commercial Building

"H" means Height, "L" means length of the escalator

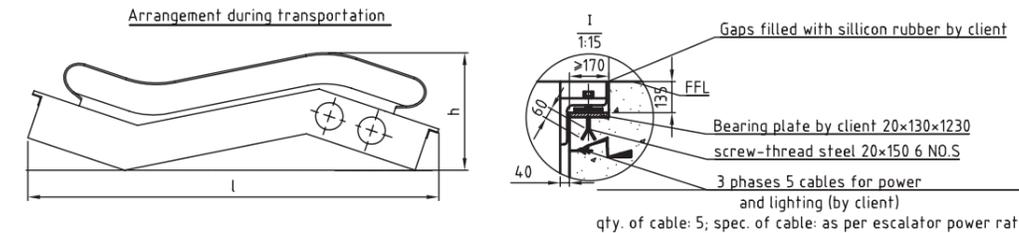
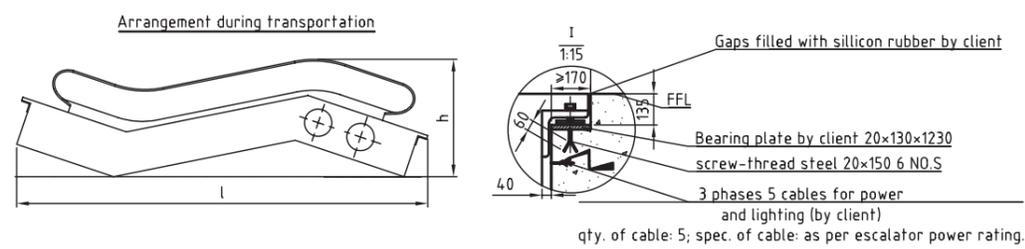
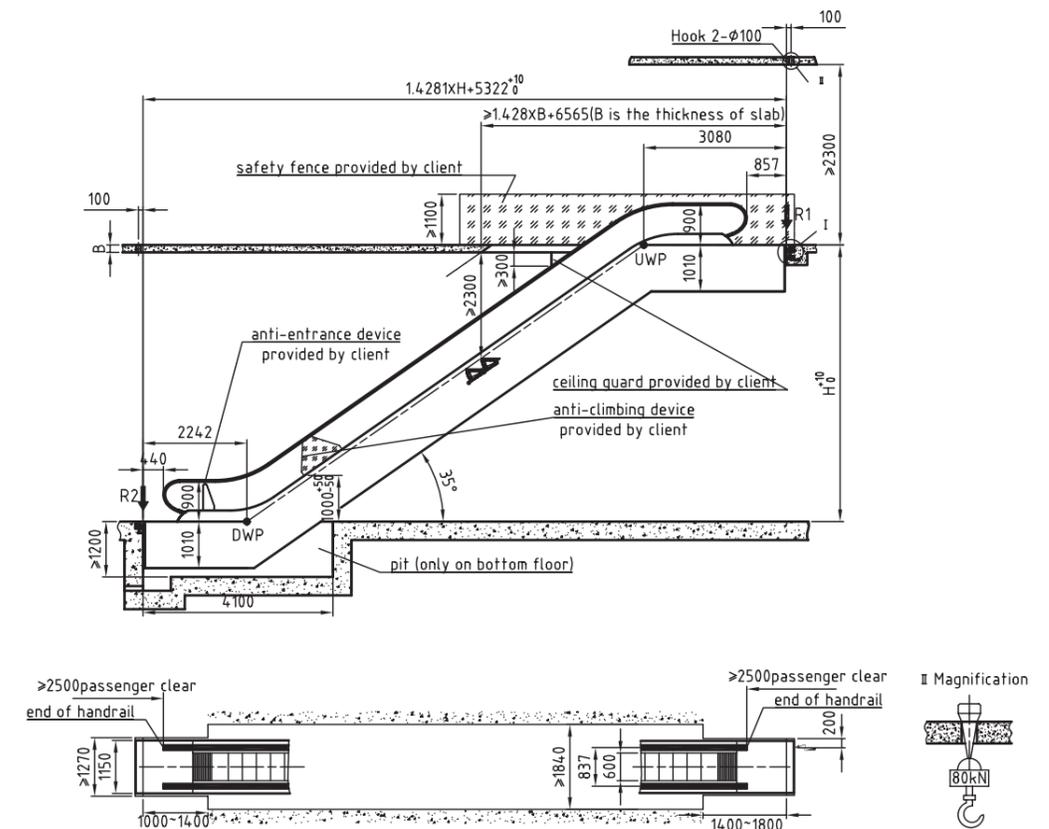


# CONSTRUCTION PARAMETERS

## Graces III-30°



## Graces III-35°



Z	W	H	Q	R1	R2	P	h	l
Z01	3000	5700	46	41			2750	11250
Z02	3500	6000	49	44			2790	12230
Z03	4000	6400	52	47	5.5		2830	13220
Z04	600	4500	6800	56	50		2850	14220
Z05	5000	7100	59	53			2875	15205
Z06	5500	7500	62	56	8		2895	16200
Z07	6000	7900	65	59			2930	17190
Z99								

Z	W	H	Q	R1	R2	P	h	l
Z01	3000	5900	52	47			2640	10850
Z02	3500	6300	56	50	5.5		2670	11840
Z03	4000	6700	60	54			2695	12835
Z04	800	4500	7100	64	57	8	2720	13830
Z05	5000	7400	68	60			2735	14825
Z06	5500	8200	74	66	11		2750	15820
Z07	6000	8600	78	69			2760	16860
Z99								

Z	W	H	Q	R1	R2	P	h	l
Z01	3000	6300	59	53	5.5		2640	10850
Z02	3500	6700	64	57			2670	11840
Z03	4000	7100	68	61	8		2695	12835
Z04	1000	4500	7500	73	65		2720	13830
Z05	5000	8300	79	71			2735	14825
Z06	5500	8700	84	75	11		2750	15820
Z07	6000	9200	88	79			2760	16860
Z99								

Note:  
 W: Width of steps, mm      H: Vertical rise, mm      Q: Mass of single escalator, kg      R1,R2: Reaction force of R1,R2 support, kN  
 P: Power of motor, kW      h: Height of escalator during transportation, mm      l: Length of escalator during transportation, mm

Z	W	H	Q	R1	R2	P	h	l
Z01	3000	5400	43	39			2865	10525
Z02	3500	5700	46	41			2915	11375
Z03	4000	6000	49	44	5.5		2955	12230
Z04	600	4500	6400	52	46		2990	13085
Z05	5000	7000	54	49			3015	13945
Z06	5500	7300	57	51	8		3040	14805
Z07	6000	7600	60	54			3060	15665
Z99								

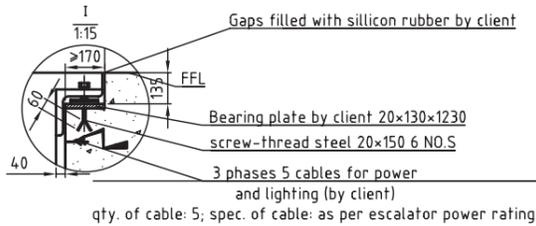
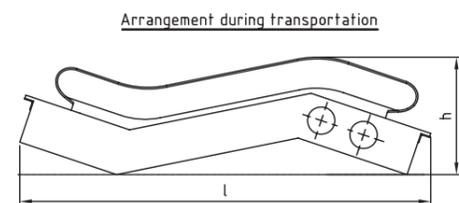
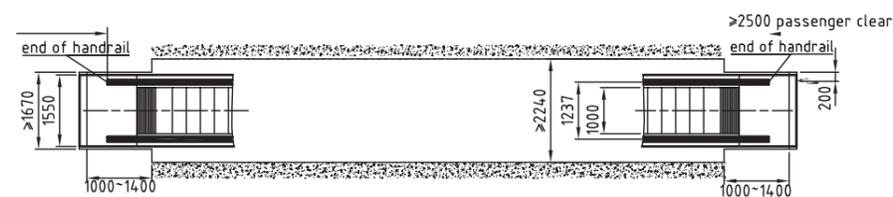
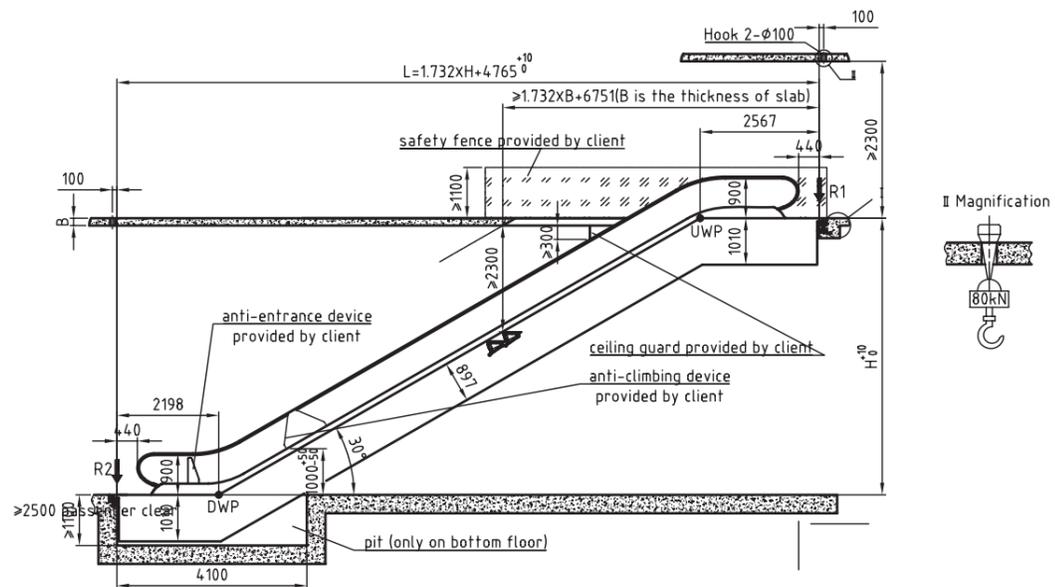
Z	W	H	Q	R1	R2	P	h	l
Z01	3000	5600	49	44			2745	10140
Z02	3500	6000	52	47	5.5		2785	10990
Z03	4000	6300	56	50			2815	11850
Z04	800	4500	6600	59	53	8	2840	12710
Z05	5000	7000	62	56			2860	13570
Z06	5500	7300	65	59	11		2880	14430
Z07	6000	7600	69	61			2895	15295
Z99								

Z	W	H	Q	R1	R2	P	h	l
Z01	3000	6000	56	50	5.5		2745	10140
Z02	3500	6400	60	53			2785	10990
Z03	4000	6700	64	57	8		2815	11850
Z04	1000	4500	7100	67	60		2840	12710
Z05	5000	7400	71	64			2860	13570
Z06	5500	8200	77	69	11		2880	14430
Z07	6000	8500	81	72			2895	15295
Z99								

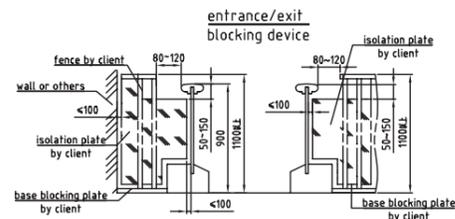
Note:  
 W: Width of steps, mm      H: Vertical rise, mm      Q: Mass of single escalator, kg      R1,R2: Reaction force of R1,R2 support, kN  
 P: Power of motor, kW      h: Height of escalator during transportation, mm      l: Length of escalator during transportation, mm

# CONSTRUCTION PARAMETERS

## Graces HD-30°

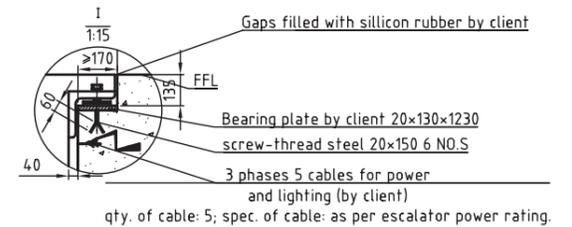
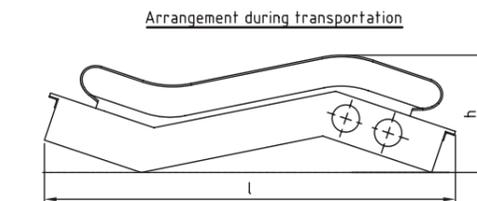
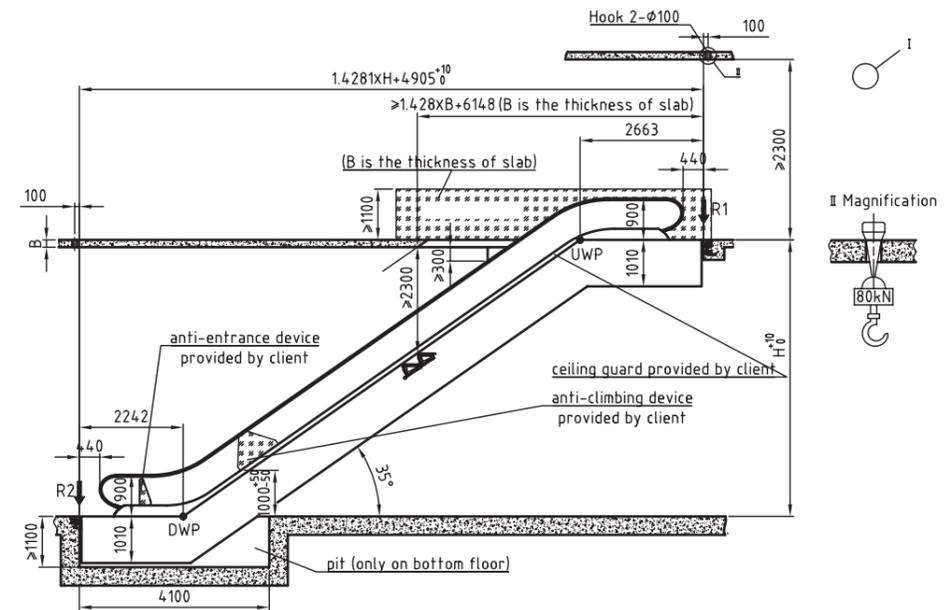


Z	W	H	Q	R1	R2	P	h	l
Z01	3000	6300	59	53	5.5	2640	10850	
Z02	3500	6700	64	57		2670	11840	
Z03	4000	7100	68	61	8	2695	12835	
Z04	4500	7500	73	65		2720	13830	
Z05	5000	8300	79	71		2735	14825	
Z06	5500	8700	84	75	11	2750	15820	
Z07	6000	9200	88	79		2760	16860	
Z99								

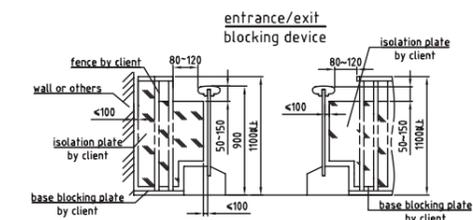


Note:  
 W: Width of steps, mm      H: Vertical rise, mm      Q: Mass of single escalator, kg      R1,R2: Reaction force of R1,R2 support, kN  
 P: Power of motor, kW      h: Height of escalator during transportation, mm      l: Length of escalator during transportation, mm

## Graces HD-35°



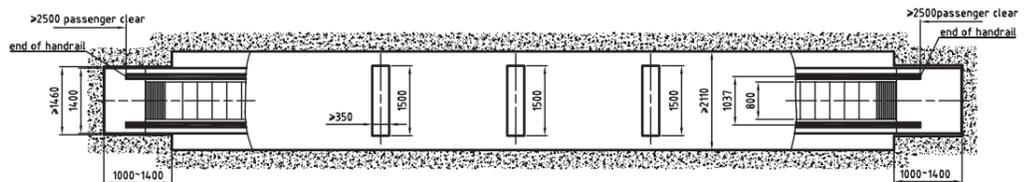
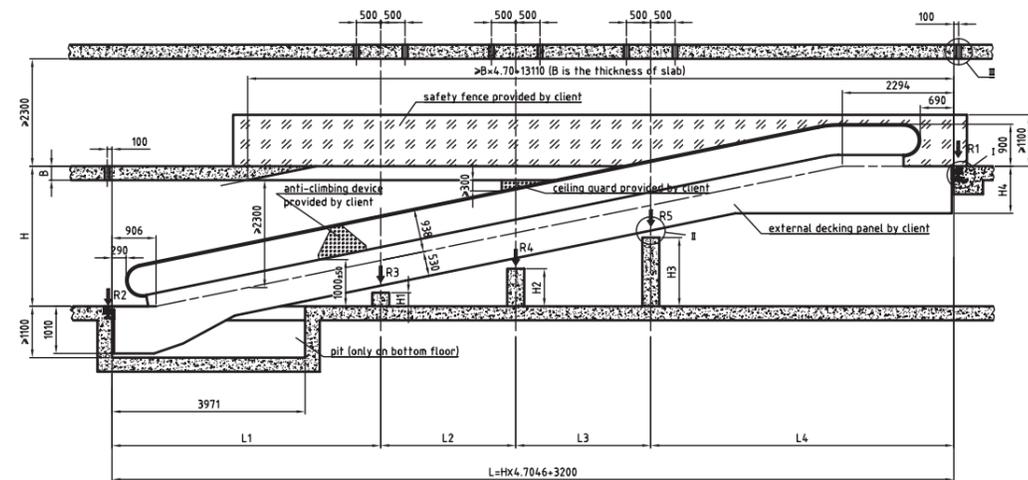
Z	W	H	Q	R1	R2	P	h	l
Z01	3000	6300	59	53	5.5	2640	10850	
Z02	3500	6700	64	57		2670	11840	
Z03	4000	7100	68	61	8	2695	12835	
Z04	4500	7500	73	65		2720	13830	
Z05	5000	8300	79	71		2735	14825	
Z06	5500	8700	84	75	11	2750	15820	
Z07	6000	9200	88	79		2760	16860	
Z99								



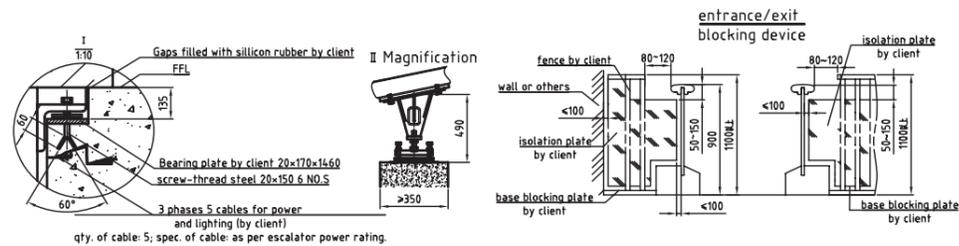
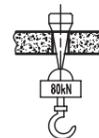
Note:  
 W: Width of steps, mm      H: Vertical rise, mm      Q: Mass of single escalator, kg      R1,R2: Reaction force of R1,R2 support, kN  
 P: Power of motor, kW      h: Height of escalator during transportation, mm      l: Length of escalator during transportation, mm

# CONSTRUCTION PARAMETERS

T2-12°



III Magnification



Z	H	R1	R2	R3	R4	R5	P	H1	H2	H3	H4	L1	L2	L3	L4
Z01	1600<H<1856	Lxq+9.5	Lxq+4.5	(L1+L2)x1.3xq			5.5				1010	L			
Z02	1856<H<2500	L2xq+9.5	Lxq+4.5	(L1+L2)x1.3xq			5.5	H/2-952			1010	L/2	L/2		
Z03	2500<H<4000	L2xq+9.5	Lxq+4.5	(L1+L2)x1.3xq			8	H/2-952			1010	L/2	L/2		
Z04	4000<H<4353	L2xq+9.5	Lxq+4.5	(L1+L2)x1.3xq			11	H/2-952			1010	L/2	L/2		
Z05	4353<H<5500	L3xq+9.5	Lxq+4.5	(L1+L2)x1.3xq	(L2+L3)x1.3xq		11	H/3-1065	2H/3-838		1010	L/3	L/3	L/3	
Z06	5500<H<6849	L4xq+9.5	Lxq+4.5	(L1+L2)x1.3xq	(L2+L3)x1.3xq		15	H/3-1065	2H/3-838		1110	L/3	L/3	L/3	
Z07	6849<H<7500	L4xq+9.5	Lxq+4.5	(L1+L2)x1.3xq	(L2+L3)x1.3xq	(L3+L4)x1.3xq	15	H/4-1122	H/2-952	3H/4-782	1110	L/4	L/4	L/4	L/4
Z99															

Z	H	R1	R2	R3	R4	R5	P	H1	H2	H3	H4	L1	L2	L3	L4
Z01	1600<H<1856	Lxq+11	Lxq+5				5.5				1010	L			
Z02	1856<H<2500	L2xq+11	Lxq+5	(L1+L2)x1.3xq			5.5	H/2-952			1010	L/2	L/2		
Z03	2500<H<3500	L2xq+11	Lxq+5	(L1+L2)x1.3xq			8	H/2-952			1010	L/2	L/2		
Z04	3500<H<4353	L2xq+11	Lxq+5	(L1+L2)x1.3xq			11	H/2-952			1010	L/2	L/2		
Z05	4353<H<5000	L3xq+11	Lxq+5	(L1+L2)x1.3xq	(L2+L3)x1.3xq		11	H/3-1065	2H/3-838		1010	L/3	L/3	L/3	
Z06	5000<H<6849	L3xq+11	Lxq+5	(L1+L2)x1.3xq	(L2+L3)x1.3xq		15	H/3-1065	2H/3-838		1110	L/3	L/3	L/3	
Z07	6849<H<7000	L4xq+11	Lxq+5	(L1+L2)x1.3xq	(L2+L3)x1.3xq	(L3+L4)x1.3xq	15	H/4-1122	H/2-952	3H/4-782	1110	L/4	L/4	L/4	L/4
Z99															

Note:  
 H: Vertical Rise, mm; R1, R2, R3, R4, R5: Reaction force of R1, R2, R3, R4, R5support, kN;  
 P: Power of motor, kW; q: constant, q=0.004.

Graces series main parameters table

Step width	600	800	1000						
Inclination Degree	30°/35°								
Application scope	Indoor/outside door, 20 hours/per day								
Major parameters	Travel height	1500≤H≤21(30°)/1500≤H≤6000(35°)							
	Level step	H≤6m, 2level grade; H>6m ,3level grade							
	Transport ability	3600	4800	6000					
	Rated	0.5m/s							
	Power supply	AC380V 50Hz; single ground wire							
Drive motor	Light power	AC220V 50Hz							
	Travel height	≤5000	≤6000	≤4000	≤5000	≤6000	≤3000	≤4500	≤6000
Motor power	5.5kW	8kW	5.5kW	8kW	11kW	5.5kW	8kW	11kW	15kW

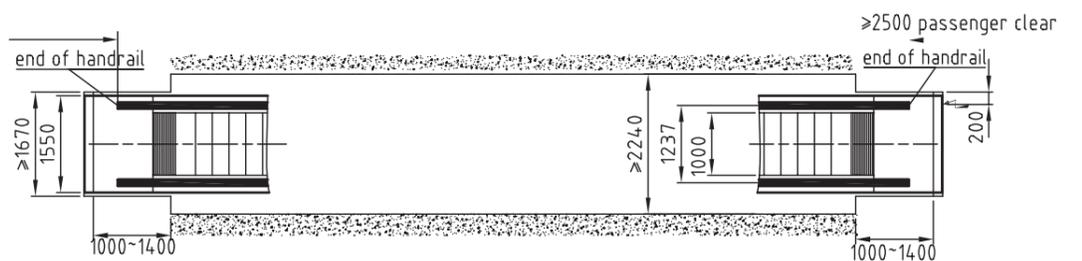
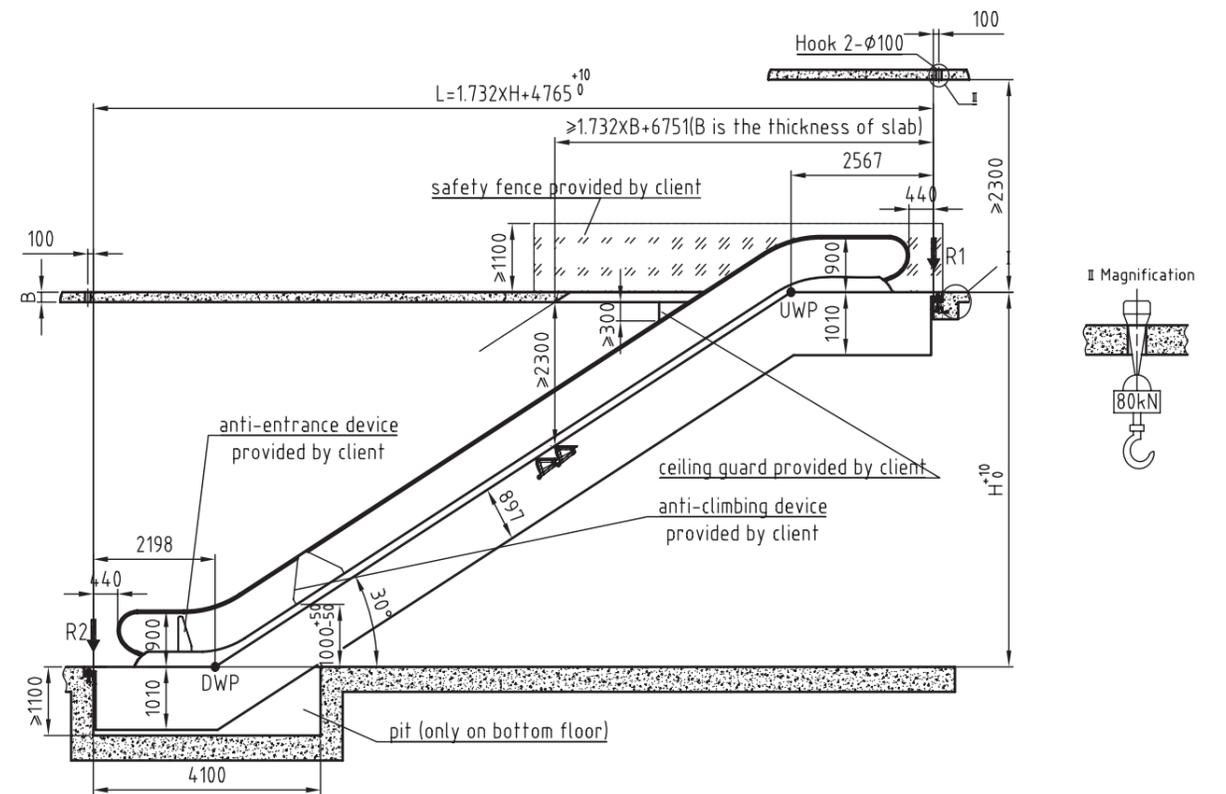
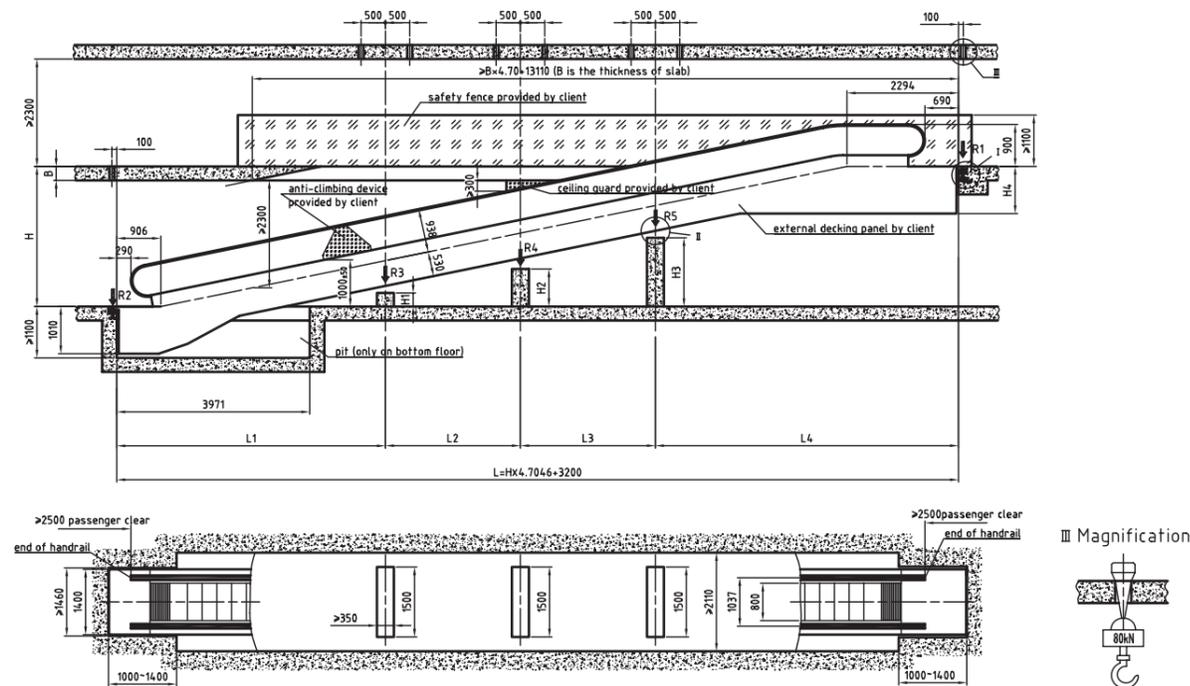
\* For specific parameters please refer to the drawings.

T2 moving walk main parameters table

Inclination Degree	12°/11°/10°/6°/0°				
Application	Indoor, able to operate 16hours/day				
Basic parameters	Level length	L≤40000			
	Rated speed	0.5m/s			
	Power supply	AC380V 50Hz; single ground wire			
	Light power	AC220V 50Hz			
Step specification	800				
Inclination degree	12°/11°/10°				
Travel height	H≤2500	2500<H≤4000	4000<H≤5500	5500<H≤7500	7500<H≤8000
Motor power	5.5kW	8kW	11kW	15kW	2*11kW
Step specification	1000				
Inclination degree	12°/11°/10°				
Travel height	H≤2500	2500<H≤3500	3500<H≤5000	5000<H≤7000	7000<H≤8000
Motor power	5.5kW	8kW	11kW	15kW	2*11kW
Step specification	800/1000				
Inclination degree	6°				
Travel height	H≤2000	2000<H≤3000		3000<H≤4000	
Motor power	5.5kW	8kW		11kW	
Step specification	800/1000				
Inclination degree	0°				
Level length	L≤40000				
Motor power	5.5kW				

\* For specific parameters please refer to the drawings.

# CONSTRUCTION PARAMETERS



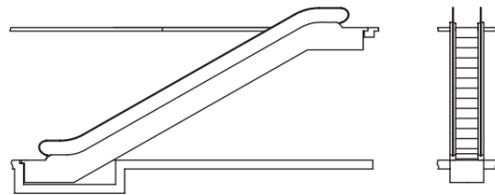
Inclination degree		12°/11°/10°/6°/0°				
Application		Indoor, able to operate 16hours/day				
Basic parameters	Level length	$L \leq 40000$				
	Rated speed	0.5m/s				
	Power supply	AC380V 50Hz; single ground wire				
	Light supply	AC220V 50Hz				
Drive motor	Step specification	800				
	Inclination degree	12°/11°/10°				
	Travel height	$H \leq 2500$	$2500 < H \leq 4000$	$4000 < H \leq 5500$	$5500 < H \leq 7500$	$7500 < H \leq 8000$
	Motor power	5.5kW	8kW	11kW	15kW	2*11kW
	Step specification	1000				
	Inclination degree	12°/11°/10°				
	Travel height	$H \leq 2500$	$2500 < H \leq 3500$	$3500 < H \leq 5000$	$5000 < H \leq 7000$	$7000 < H \leq 8000$
	Motor power	5.5kW	8kW	11kW	15kW	2*11kW
	Step specification	800/1000				
	Inclination degree	6°				
Drive motor	Travel height	$H \leq 2000$	$2000 < H \leq 3000$	$3000 < H \leq 4000$		
	Motor power	5.5kW	8kW	11kW		
	Step specification	800/1000				
	Inclination degree	0°				
	Level length	$L \leq 40000$				
	Motor power	5.5kW				

\* For specific parameters please refer to the drawings.

Step width		600	800	1000						
Inclination degree		30°/35°								
Application		Indoor, able to operate 20 hours/day								
Main parameters	Travel height	$1500 \leq H \leq 21(30°)/1500 \leq H \leq 6000(35°)$								
	Level step	$H \leq 6m, 2level grade; H > 6m, 3level grade$								
	Transport ability	3600	4800	6000						
	Rated speed	0.5m/s								
	Power supply	AC380V 50Hz; single ground wire								
Drive motor	Light power	AC220V 50Hz								
	Travel height	$\leq 5000$	$\leq 6000$	$\leq 4000$	$\leq 5000$	$\leq 6000$	$\leq 3000$	$\leq 4500$	$\leq 6000$	$\leq 8000$
	Motor power	5.5kW	8kW	5.5kW	8kW	11kW	5.5kW	8kW	11kW	15kW

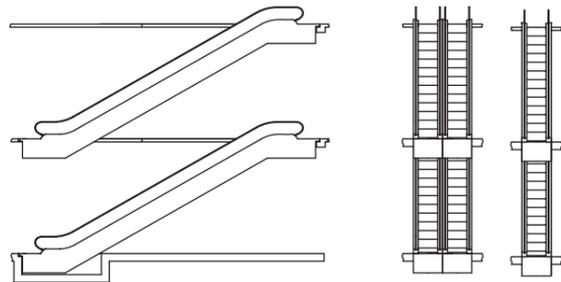
\* For specific parameters please refer to the drawings.

## REASONABLE LAYOUT



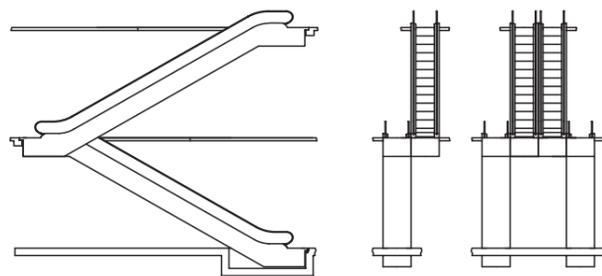
### Single layout

Use one set to connect the two lays, suitable for the building of passenger flow into one direction. And can change flexible to meet the passenger flow needs.



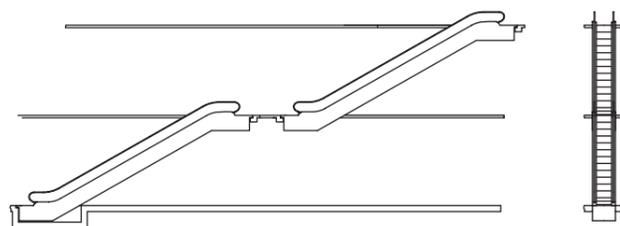
### Parallel disconnect layout

Usually used in the plaza and public facilities of large passenger flow. When has more than 3sets, will change the direction as the passenger flow.



### Duplex continuous layout

Usually used in the small department store, interlink the three stores. This way needs much room than disconnect layout.



### Syntropy continuous layout

Usually used in the indoor and outdoor facilities, which need more room.

## Graces series/T2 Moving walk function table

### Basic functions

#### Operation function

01	Bi-directional travel model	There is key switch in the upper/lower operation panel of escalator which can operate the escalator runs upward/downward according to the travelling direction
02	Inspection mode operation	There is inspection socket in the upper/lower controller. Open one inspection socket, close the other one, then insert the inspection plug inside the inspection box into the socket which can control the escalator inching upward/downward, in order to do maintenance easier
03	Intelligent direction lights	In the upper/lower entrances of the escalator to remind the passenger the correct travelling direction
04	Automatic lubrication	The escalator can be automatically lubricated 6 minutes after running 36 hours in total( the time can be reset), in order to lubricate the drive chain and traction chain, improve the running performance, prolong the lifespan.
05	Alarm bell device	Before the escalator running, the alarm bell will ring 5 seconds to remind the escalator start. After the bell ring disappear, the passenger can only take the escalator.
06	Yellow demarcation line of Pallets	There is a yellow demarcation line in two sides of each step to remind the passenger not to stand out of the range of yellow demarcation line
07	Sequence starting function	During the escalator running, insert the key and rotate one time (regardless of the direction), which can realize the sequence starting. Now even turning the starting key on either direction does not affect the travel of the escalator

#### Safety functions

08	Broken drive chain protection	When drive chain broken or prolong, touch the safety protection switch, cut off the power and brake
09	Comb contact protection	When there is obstruction between step and comb, comb plate will move backward and approach the safety switch to make the escalator automatically stop
10	Handrail entrance contract protection	There are safety protection device in the 4 entries of handrail belt. If any obstruction or hands of passengers get into the entrance, touch the safety device switch, the safety switch will act: cut off the power and brake
11	Skirting contact protection	When there is obstruction between the skirting and step, make the skirting plate stress deformation, it will approach the safety switch act: cut off the power and brake
12	Step sag contact protection	When step sags, step kick plate will touch the safety contact, the safety switch will act: cut off the safety circuit and brake
13	Broken step chain protection	When any step traction chain broken or prolong, switch will immediately act: cut off the power and brake
14	Phase Monitor Protection	When phase loss, phase broken or phase reversal, phase relay will act: cut off the safety circuit, transmit a signal to stop the escalator and report the fault
15	Over-load protection Device	when escalator overload or overheating, overload protection device will act: cut off the safety circuit, transmit a signal to stop the escalator and report the fault
16	Motor shield prevent opening	When the shield is opening, on-off action, will automatically cut off the safety circuit to stop the escalator and report the fault
17	Handrail Broken Protection	when the handrail is broken or prolong, safety protection switch will act: cut off the power and brake.
18	Unintentional reversal of the travel direction	When the setting and actual traveling direction of escalator is of contrary, PESSRAE will automatically cut off the safety circuit, transmit a signal to stop the escalator and report the fault
19	Over-speed protection function	When actual speed of escalator exceeded 120%than of the nominal speed , PESSRAE will automatically cut off the safety circuit, transmit a signal to stop the escalator and report the fault
20	Handrail speed monitoring	When handrail actual speed deviates from the step or the belt actual speed exceeded 15% for more than 15 seconds, PESSRAE will automatically cut off the safety circuit, transmit a signal to stop the escalator and report the fault
21	Step missing protection	when step misses, inspection device operates, PESSRAE will automatically cut off the safety circuit, transmit a signal to stop the escalator and report the fault.
22	Floor pallet missing protection	When floor pallet missing, floor pallet inspection device acts: cut off the safety circuit, transmit a signal to stop the escalator and report the fault.
23	The brake open to test	when start without the brake opening, PESSRAE will automatically cut off the safety circuit, transmit a signal to stop the working.
24	Contact guard function	During the escalator stops, if the contactor has adhesion failure, the protection function will act and all operation will be invalid which can only solve the problem after removing the adhesion failure and power reset
25	Step gap illumination	There are green illuminating lights under the upper/ lower ending steps of the escalator to make passengers see the step edge clearly to avoid danger
26	Fault display	There is fault display board inside the controller which can display the normal operation status and safety switch fault situation
27	Additional braking	When abnormally reverse or the drive chain is breaking, the additional break will stop the elevator in safety.

#### Optional functions

28	Frequency conversion	Based on the customer's request , by spin the key switch up& down to choose different operation model.
29	Comb plate illumination	There are white illuminating lights on the top of the upper/ lower leveling comb plate to make passengers see the edge between comb plates and step clearly to avoid danger.
30	Skirting illumination	The LED light bar is installed on top of skirting board to make passengers keep distance from the skirting board to avoid danger.
31	Handrail Belt Illumination	The LED light bar is installed inside handrail profile to make passengers hold the handrail tightly and decorate the escalator.
32	Voice prompt	When travelling, the loudspeaker will frequently repeat to remind the passenger to mind the safety& arriving level. The voice signal is supplied by the buyer.
33	Earthquake closing down	When break out the earthquake, will stop to protect the passengers and device. The earthquake alarm signal is supplied by
34	Fire alarm protection	When break out the fire, will stop to protect the passengers and device. The fire alarm signal is supplied by the buyer.
35	Monitoring system	This function contains up and down, stop, malfunction display and remote stop of each set, easy for the administrator to control.