XOP Travolator





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160 YEARS OTIS

160 years of rich history, the No.1 brand in the elevator industry Inventor of the world's first safety elevator

Inventor of the world's first escalator

Sales and Service operation located in over 200 countries and a service network covering over 1,700 locations worldwide

Annual escalator and elevator sales of more than 70,000 elevators in 12 of the world's 20 highest buildings



OTIS in CHINA

With 15,000 employees, Otis China offers professional consultancy and installation services and world-class maintenance support, operating 6 manufacturing sites in Tianjin, Hangzhou, Guangzhou, and etc. Otis engineer team located at three sites dedicate to new product development and product quality improvement.

OTIS CHINA FACTORY







Hangzhou Factory

Building Area: 45,754m² Capacity:







CNAS (China National Accreditation Service) Lab



Tianjin Factory

Building Area: 66,673m² Capacity:



25,000 units/year

USGBC LEED Gold Certification



Guangzhou Factory

Building Area: 48,900m² Capacity:



4,000 units/year

OTIS Escalator Quality Test Center





OTIS CHINA INTERNATIONAL BUSINESS

125

Covering more than 125 Countries

80,000

Having provided over 80,000 units of elevator & escalator worldwide

15

Meeting 15 International Codes including EN, JIS, ANSI, AS1735, COP2010, SS550, KC, GB and so on







ANSI (America







SAA(Aus

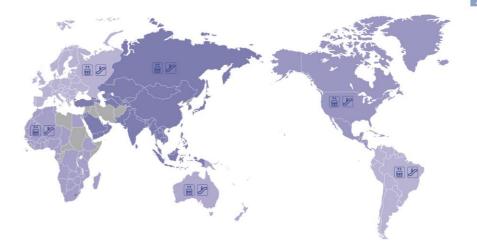


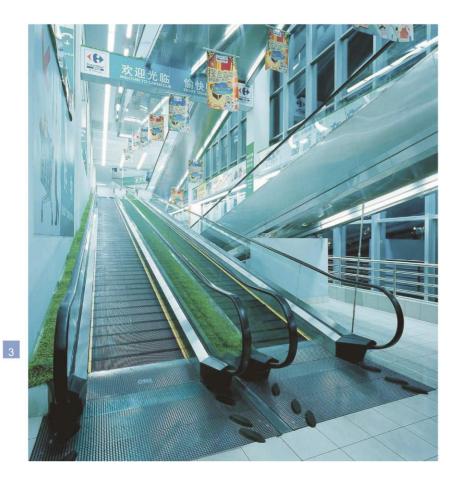
MS2021:2026





SS550(Singapore)





XOP

Based on Otis advanced technology, the XOP travolator is designed and produced to apply for supermarket, airport, commercial mall, etc. Through the rigid quality system, it not only fully satisfied the operation practicality, but also bring passenger with humanized design.

XOP characterizes itself as high quality and reliability, safety, flexibility and energy saving.

Quality & Reliability

XOP travolator fully utilizes the Otis' advanced designing process-PDP. It has been proved as the Otis' most matured worldwide moving walkways product.

Through the stringent quality control system, and company's enforcement on all along pursuing the higher quality, XOP is deemed as the most qualified and reliable product; it effectively eliminates the operation failure and shortens the maintenance time.



EM-W1

- •SIEMENS gearbox, most mature
- -reducer in travolator industry.
- •High efficient worm gear box.
- Integrated Non Reversal
- -Device / Motor thermal
- -device / Motor cover control;
- -Optional Control contact for
- -lifted Brake / Brake lining wear
- -/Mechanical overspeed governor.
- Compact design and small size.
- •Low noise and smooth operation.



Multiple chain designed main drive wheel is with a strong broken strength. Such a compact and vigorous structure strengthens the reliability of the whole driving system, and as well promotes efficiency and riding quality.



Otis initiated tube structure truss with a robust design; it greatly improve the overall running stability and service life. The Otis blue painting renders the whole truss a protection against rustiness and



Anti-slip grooves on the pallet surface have excellent slip-proof function to make the ride safe and comfortable.

Slightly inclined combs can make the trolleys easily get on and off.



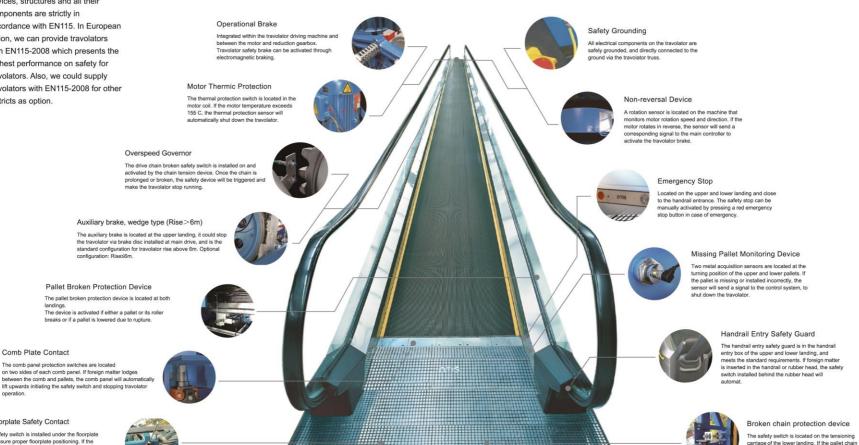
As new generation escalator control system platform, GECS controller with 32 bit microprocessor can be configured for different functional requirement. GECS is used as standard configuration for all the escalators and travolators of Xizi Otis.

Safety

The safety devices, electrical safety devices, structures and all their components are strictly in accordance with EN115. In European Union, we can provide travolators with EN115-2008 which presents the highest performance on safety for travolators. Also, we could supply travolators with EN115-2008 for other districts as option.

configuration: Rise≤6m.

Standard Safety Devices



to ensure proper floorplate positioning. If the floorplate is not properly closed, the safety switch will initiate, stopping travolator operation until the floorplate is properly closed.

A safety switch is installed under the floorplate

landings.

The comb panel protection switches are located

Comb Plate Contact

Floorplate Safety Contact

operation

breaks or stretches abnormally, the safety switch

will initiate stopping the travolator.

Optional Safety Devices

Option	Description
5 Dry Contact	5 Dry Contact, provide contact for up/down/emergency stop/fault/running signal to monitor system.
Control Contact For Brake Lining Wear	When the brake linings are worn, the controlling switch is activated ,and it prevents the machine from starting. If this happens, a maintenance job is necessarily carried out for the brake, and the brake lining must be replaced immediately.
The Brake Lifting Monitor	The operational brake control switches prevent starting the machine in case the operational brake is closed. (Standard for EN115-2008)
Loose Or Broken Handrail Protection Device	If the handrail stretches or breaks, the safety switch will initiate to stop the travolator.
Handrail Speed Monitoring Device	When the handrail running speed becomes abnormally (too fast or too slow), the sensor for monitoring handrail speed will send a signal to the control system to stop the travolator. (Standard for EN115-2008)
Skirt Panel Safety Protect Device	The safety switches located at upper and lower landing. If an object is blocked between the skirt panel and pallets at the position where safety switch located, and causing skirt panel deflection exceed the limit, then the skirt panel safety switch will initiate stopping travolator.
Skirt Panel Brush	Located on both sides of the skirt panel, the skirt panel brush protects passenger's clothing from getting snagged between the skirt panel and side plate.
Sprinkler System (Non-Standard)	Installed within the travolator body. In case of fire, the sprinkler system automatically initiates within the travolator or building.

Flexibility

XOP can be operated at temperature $+4^{\circ}C \sim +40^{\circ}C$, and with humidity <85%. It has a great flexibility to cater for different occasions.

The Microcomputer Control System, robust machine, a unique rectangular steel tube frame and the use of automatic refueling system, that makes XOP more suitable for real way station, supermarkets, airports and tourism channel, etc.



Shopping mall



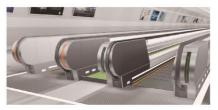
Supermarket



Plaza



Overbridge



Airport

Standard Specification for Incline

Angle	10°/ 11°/ 12°
Rise	1.5-10m
Pallet Width	800/1000mm
Speed	0.5m/s
Arrangement	Single/ Side by Side/ Scissors

Standard Specification for Horizontal (contract based option)

Angle	0°
Length	15-100m
Pallet Width	800/1000/1200/1400mm
Speed	0.5m/s, 0.65m/s
Arrangement	Single/ Side by Side



Running Mode-Classical Green Technology

Don't save on the system. Let the system save for you. The various kinds of running mode's high reliability and integrated energy saving performance are economic factors that pay dividends.

ETA-Plus Running Mode

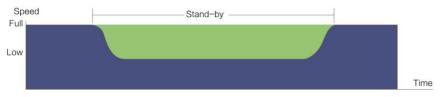
The ETA-Plus Running Mode is standard mode of operation used under normal circumstances, which is suitable for most of the applications.

applications. the S
In ETA-Plus Mode, machine switch
operates in the Star connection matic

when there is no passenger or small number of passengers on escalator. When the number of passenger exceeds the scope of the Star connection, machine will switch to Delta connection automatically.

VF Running Mode (Slow to Full)

The VF Running Mode (Continuous) is generally applicable for low traffic flow locations. In "Continuous" Mode, the escalator will slow down while no passenger on it.



VF Running Mode (Stop to Start)

In "Auto-Start" mode, once the escalator sense that there is no passenger it, it will sow down. And moments later, the escalator will stop. VF mode cuts down on noise levels and can save considerable energy depending on passenger flow.



Intermittent Running Mode

In the "Intermittent Running Mode", the escalator will slow down and stop while there is no passenger on it.



Green Lubrication System





The oil lubrication system is electronically controlled. It is a complete system with consistent pressure; it reliably supplies exact amounts of oil to lubrication points. Each lubrication point can be supplied with a different amount of oil.

- Better protection against corrosion and contamination with less wear
- Up to 75% reduction of oil consumption
- Less down-time
- Active contribution to environmental protection and work-place safety





XDP Travolator

Stylish Design

To satisfy the customization from different users, XOP is offering many options to choose. With these stylish designs, while satisfying customer's requirement, it can reach a perfect harmonious combination with the building environment in vicinity. Thus besides bringing passenger a safe and quiet riding, it renders a graceful aesthetical appreciation as well.



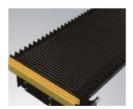






S type Handrail Entry

G type Handrail Entry (Can be configured with handrail lighting)





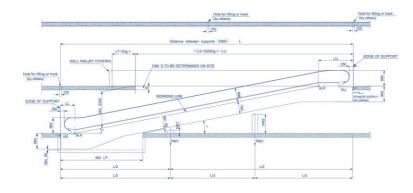


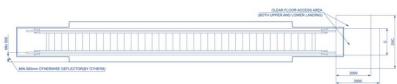
Stainless steel is the standard material for pallet; Die-cast aluminum is the optional material for pallet.

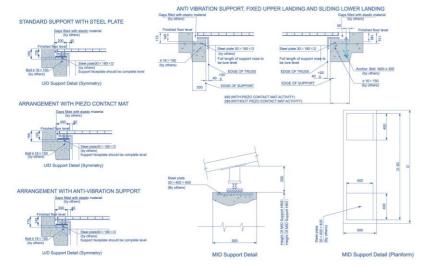
Friendly design for supermarket trolly.

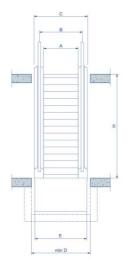
Various handrail colors meet different environment.







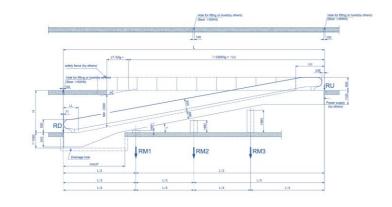




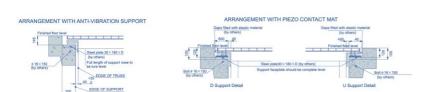


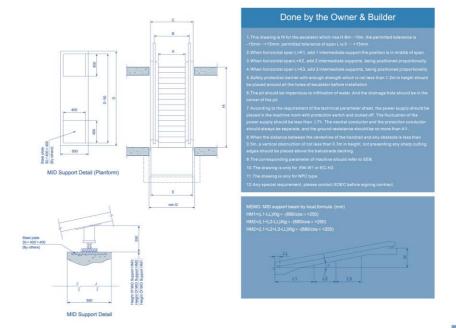
Angle	SPEED (m/s)	Step width A(mm)	SPAN L(mm)	min LP	LU	LL	LS	В	С	min D	E
10°	1000	5.6713H+3446	5744	2426	1020		1237	1530	1630	1500	
10"	0.5	800	5.6/13H+3446	5/44	2426	1020		1037	1330	1430	1300
11*		1000	5.1446H+3136	5225	2208	928	2300/tg = +Lt	1237	1530	1630	1500
111	0.5	800	5.14401173130	5225	2206	320	Ecoung - TE	1037	1330	1430	1300
12"		1000	4.7046H+2878	4797	2026	852		1237	1530	1630	1500
12:		800	4.70400172070	4/9/	2026	852		1037	1330	1430	1300
			React	ion to su	ipport i	in KN	(L in m)		(11	KN=100	kg)
Step wid			React	ion to su	ipport i	in KN	(L in m)	80		KN=100	kg)
Step wid (mm) Number Support	of	RD	Service Service	ion to su	pport i		(L in m)	80 RU			kg)
(mm) Number	of ts		1000						00		0,
(mm) Number Support	of ts	9L+6.2	1000 RU 4.9L+14	RM1	RM2		RD	RU	00 RM	11	RM2

NOTE:DO NOT SACALE THIS DRAWING. UNLESS OTHERWISE STATED.



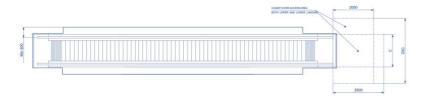


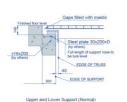


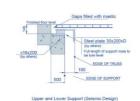


Angle	SPEED (m/s)	Step width A(mm)	SPAN L(mm)	min LP	LU I	LL LS	S	В	С	min D	Е	K1	K2	КЗ		
12" 0.5	0.5	1000	1000	1000	4.7046H+3210	4650	2135 10	75 2300/tg	or all II	1237	1590	1700	1560	15000	30000	4500
		800	4.704011+3210	4000	2135 10	75 230Ung	10 +1.0	1037	1390	1500	1360	16300	32600	4890		
Step widt	th			Rea	ction to	support	in KN	l (L ir	n m)	80		1KN=	=100l	(g)		
(mm)	of	RD			ction to	support	in KN	l (L ir	n m)			1KN=		(g)		
(mm) Number o	of	RD		1000						RI	0	B10000100		07		
Number of Support	of s		RU I	1000 RM1	RM2	RM3	RD	5 2	RU	5.3L	0 M1	RM2	? F	RM3		

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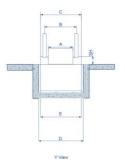




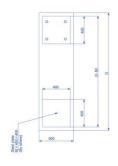


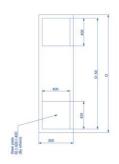
Handrail Type	Step Width	Α	В	С	D	E	SH
	800	800	1014	1356	1550	1306	
G	1000	1000	1214	1556	1750	1506	315
\G	1200	1200	1414	1756	1950	1706	315
	1400	1400	1614	1956	2150	1906	
	800	800	1048	1390	1550	1340	
S	1000	1000	1248	1590	1750	1540	185
S	1200	1200	1448	1790	1950	1740	100
	1400	1400	1648	1990	2150	1940	

Reaction force of RM, RD, RU, please contact CLC.



Done by the Owner & Builder









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