

520NPE

Heavy Duty Public Escalator

请勿倚靠
NO Leaning

OTIS

Built on a legacy of innovation, Otis invented the elevator safety brake in 1852, giving rise to the modern city and forever changing how people connect and thrive in a taller, faster, smarter world. Today, we're the world's leading elevator and escalator manufacturing, installation and service company. We can be found in many of the world's most recognizable buildings, as well as the busiest transportation hubs and retail centers – we're everywhere people are on the move. With a global maintenance portfolio of more than 2 million elevators and escalators, approximately 2 billion people are moved by our products every day. Headquartered in Connecticut, USA, Otis is 68,000 people strong, including 40,000 field professionals, all committed to meeting the diverse needs of our customers and passengers in more than 200 countries and territories worldwide. For more information, visit www.otis.com and follow us on LinkedIn, Instagram, Facebook and X @OtisElevatorCo.

otis.com
CHN-EN-0930
© 2024 Otis Elevator Company.

Company and product names mentioned in this document are trademarks or registered trademarks of their owners. Otis can not be held responsibility for any technical or typographical errors and reserves the right to make changes to products and documentation without prior notification.

Widely Application

Configurations

Outside Roller Public Escalator	
Max. Rise	Standard: 20m (Contract Design: 36m)
Inclination	30° / 27.3°
Step Width	1000mm
Speed	0.5 / 0.65 / 0.75 m/s
Balustrade Type	Opaque / Glass off-centered
Step Chain	Outside Roller
Code	EN115-1 2017/ ASME A17.1-2019/ CSA B44-19/ SS626/ HK
Application	Indoor, Semi-outdoor, Outdoor
Design lifetime	140,000hrs
Heavy Duty Load Pattern	11 kinds of typical public include but limit to EN115 public, India public, Singapore public, APTA and China public

520NPE has been delivered to different areas to provide vertical transportation service, covering Asia, Middle East, Europe, Africa and America.

7x24 hours service

hours design lifetime

140,000

All usage scenarios



Railway



Pedestrian Overpass Bridge



Subway



Airport

Reliability

More Strength Tube Truss



Angle Iron Truss

Used by most competitors



Rectangular Tube Truss

First developed by Otis Sealed welds for corrosion protection

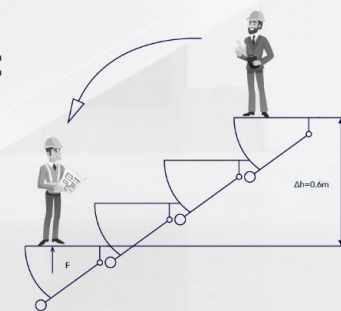


More Stable Control Board

Advanced micro control, adopts 32-bit microprocessor to improve the function of control system, to ensure excellent performance.

Additional Step Breakage Test

15KN step breakage test simulates a 75kg person jumping over 0.6m on an escalator, no step breakage.



Safety

Going above and beyond

When it comes to safety, just meeting code is not enough. The sheer breadth of our additional features stand testament to our dedication to your safety. Employing the very best materials and precision engineering methods, we provide failsafe freedom of choice.

01. Skirt panel brush
02. Comb plate safety device
03. Floor plate contacts
04. Handrail entry device
05. Missing step device
06. Emergency stop button
07. Skirt panel safety device
08. Handrail speed monitoring device
09. Non-reversal device
10. Overspeed monitoring device
11. Motor thermal device
12. Auxiliary brake



Higher Standard than EN115-1

4 Times Step Fatigue Cycle Test

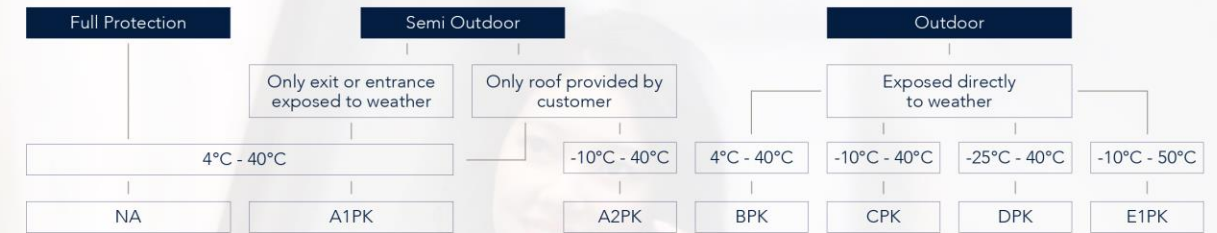
EN115 & ASME Code
5 Million Cycles equivalent 10 years stepping

OTIS Standard
20 Million Cycles equivalent 40 years stepping

Outdoor

Perfectly meet different environment requirement

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.



Main solutions to protect your escalator



Aesthetic

Colorful Handrail



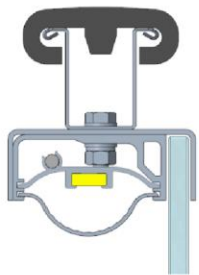
Traffic Lighting



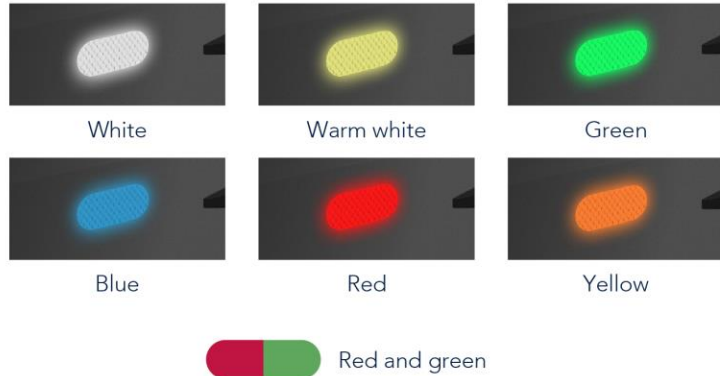
Under Step Lighting



Balustrade Illumination



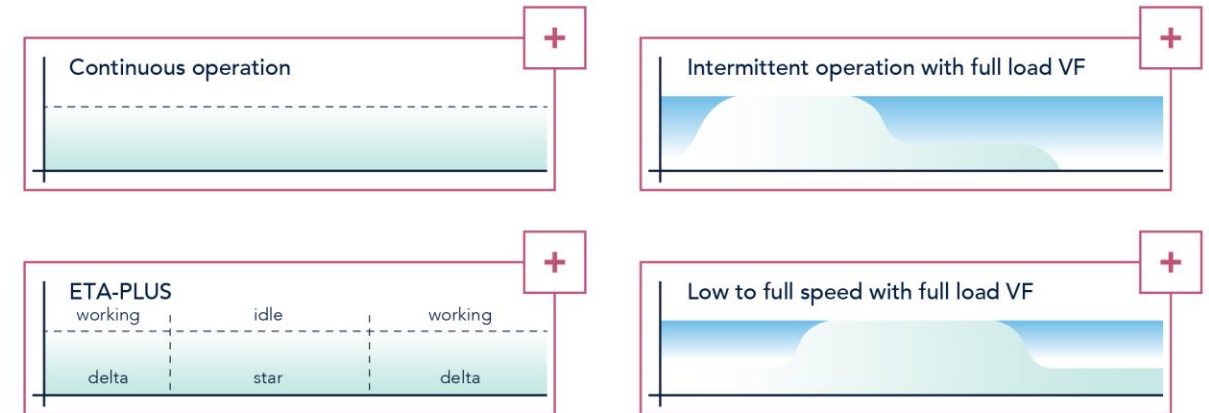
Comb Lighting



Energy Saving

Energy Saving Mode

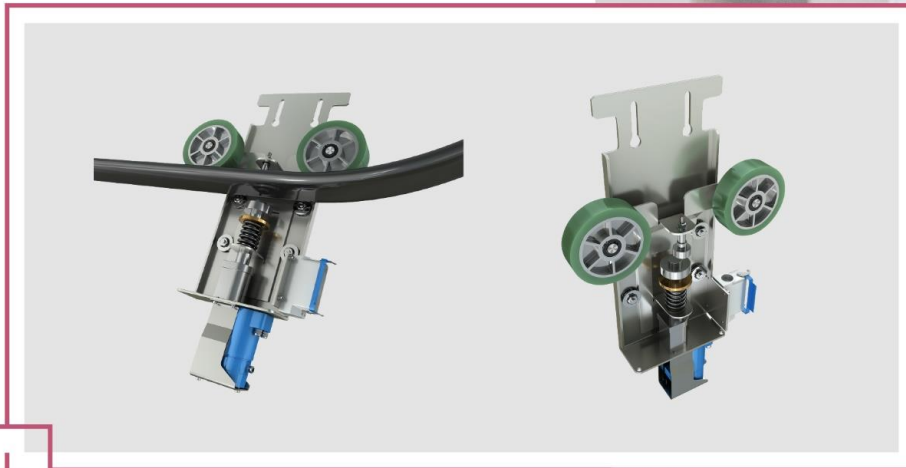
Don't save on the system. Let the system save for you. The various kinds of running mode's high reliability and integrated energy saving performance are economic factors that pay dividends.



Innovation Upgraded

SAHS Self-Adjusting Handrail System

SAHS, Self-adjusting Handrail System, can automatically and accurately adjust handrail tension dynamically. Handrail tension status is monitored in real time by IoT. It could eliminate the potential risks caused by too loose or too tight handrail.



Intelligent Lubrication System

Use automatic system to replace manual refueling mode, to avoid the risk that the oil quantity is difficult to control or cannot achieve the expected lubrication effect.

- High quality and high viscosity oil
- Less oil consumption, more sufficient lubrication.

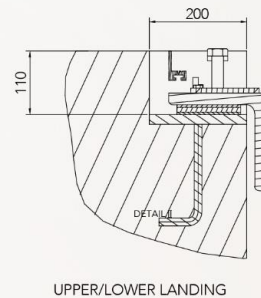
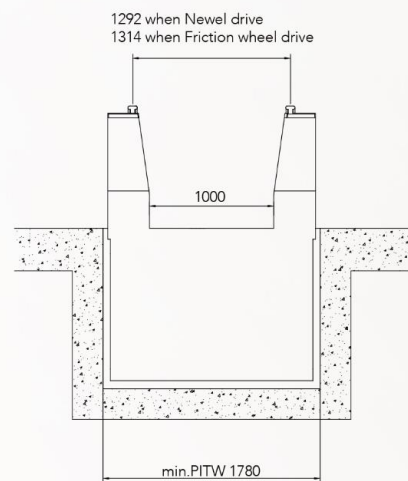
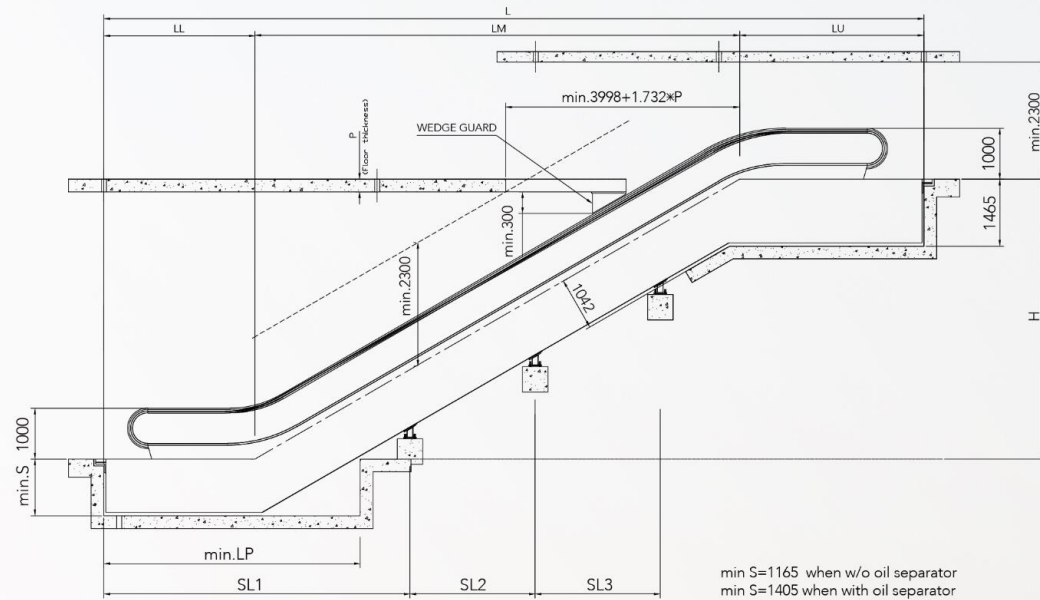


Excellent Service

At Otis, you own our commitment to providing you with continuous excellent service. No one knows your equipment like Otis. We are investing in more new tools and methods, to ensure a faster return to service. Alongside our 24/7 OTISLINE® support team, our mechanics have a suite of digital support tools enabling expedited on-site maintenance and safe, comfortable rides.



520NPE 30°&27.3° Specifications



NO.OF SUPPORTS	SL1	SL2	SL3
3	0.475~0.525xCDBE	0	0
4	0.3125~0.347xCDBE	0.3125~0.347xCDBE	0
5	0.238~0.262xCDBE	0.238~0.262xCDBE	0.238~0.262xCDBE

INCLINE	LL (3 flat steps)	LM	LU (R2700 & 3 flat steps)	min.LP
27.3°	2886.8	1.937xH	3512.6	LL+2272
30°	2926.1	1.732xH	3591.3	LL+2084

NOTE: DO NOT SCALE THIS DRAWING, UNLESS OTHERWISE STATED.