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RELIABLE PEOPLE FLOW[®] FOR DEMANDING TRANSIT ENVIRONMENTS

RELIABLE PEOPLE FLOW® FOR DEMANDING TRANSIT ENVIRONMENTS

The versatile KONE TransitMaster™ 140 is a public transportation escalator designed to enable the seamless flow of large number of passengers that need to be able to move quickly every day and every hour to reach their final destination.

Applications	Public transportation, mainly undergrounds & railway stations
Environment	Indoor, semioutdoor, outdoor
Vertical rise	up to 35 m
Inclination	27.3° / 30°
Group Arrangement	Single / Parallel
Step width	800 mm / 1000 mm
Speed	0.5 / 0.65 / 0.75 / Energy saving and maintenance speed (0.13 m/s or 0.20 m/s)
Truss deflection	1/1000 and 1/1500
Gearbox type	Helical gear
Drive location	Outside step band
Step chain type	Outside Roller 100 x 25 mm
Controller	KONE 501B PLC
Operation mode	Standby speed Standby speed and automatic start/stop Standby speed and/or automatic start/stop KONE Direction operation without inverter (only PLC)
Code compliance	AS1735.5.1:2019 / EN115-1: 2017





KEY SPECIFICATIONS



Vertical rise up to
35 m



Inclination
27.3° / 30°



Step width
800 / 1000 mm



Indoor / semi-outdoor
/ outdoor environment



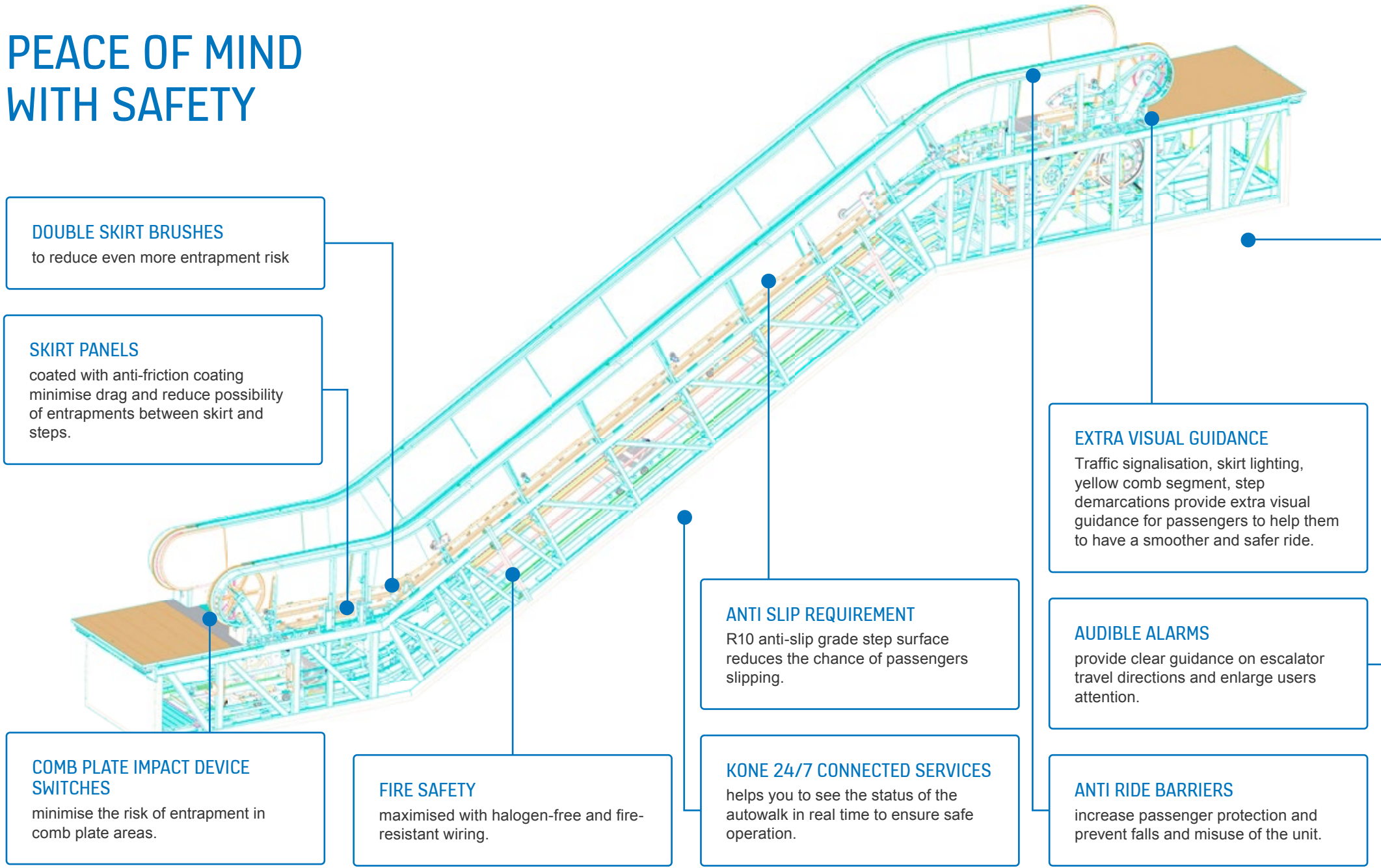
Speed
0.5 / 0.65 / 0.75 m/s



People Flow Capacity
up to 8200 people/h

Front Plate	Stainless steel
Balustrade	Safety Glass panels 10 mm Laminated safety glass 12 mm Inclined solid Balustrade height: 1000 mm / 1100 mm (only for Glass type)
Decking	Brushed satin stainless steel
Skirt	2 mm or 3 mm stainless steel 2 mm or 3 mm sheet steel
Access cover	Ribbed aluminum natural color Aluminum access cover with stainless steel surface Aluminum access cover with etched stainless steel
Steps	Silver painted aluminum (Grinded surface R10) Black painted aluminum (Grinded surface R10)
Step demarcation	Without Yellow painted on 3 sides and/or in the center (RAL1004)
Comb segment	Aluminum Aluminium with yellow plastic inlay (RAL1023) Aluminium with yellow coating (RAL 1023)
Handrail lighting	LED continuous light - white KONE Design Lighting – flexible and modifiable RGBW LED lights for every occasion
Skirt lighting	LED continuous light - white LED spot KONE Design Lighting – flexible and modifiable RGBW LED lights for every occasion

PEACE OF MIND WITH SAFETY



DOUBLE SKIRT BRUSHES
to reduce even more entrapment risk

SKIRT PANELS
coated with anti-friction coating
minimise drag and reduce possibility
of entrapments between skirt and
steps.

**COMB PLATE IMPACT DEVICE
SWITCHES**
minimise the risk of entrapment in
comb plate areas.

FIRE SAFETY
maximised with halogen-free and fire-
resistant wiring.

ANTI SLIP REQUIREMENT
R10 anti-slip grade step surface
reduces the chance of passengers
slipping.

KONE 24/7 CONNECTED SERVICES
helps you to see the status of the
autowalk in real time to ensure safe
operation.

EXTRA VISUAL GUIDANCE
Traffic signalisation, skirt lighting,
yellow comb segment, step
demarcations provide extra visual
guidance for passengers to help them
to have a smoother and safer ride.

AUDIBLE ALARMS
provide clear guidance on escalator
travel directions and enlarge users
attention.

ANTI RIDE BARRIERS
increase passenger protection and
prevent falls and misuse of the unit.

ESCALATOR SUSTAINABILITY

Installing an eco-efficient KONE escalator solution can help in achieving green building accreditations such as LEED or BREEAM certification.

BREEAM CERTIFICATION

One credit can be achieved by fulfilling the following requirement:

Escalator is fitted with a passenger-sensing device for automated operation, so it operates in standby mode when there is no passenger demand

LEED CERTIFICATION

KONE solutions can also contribute to several LEED certification categories.

ECO-EFFICIENT ESCALATOR

KONE TransitMaster™ 140 has achieved A+++ energy performance certificate based on ISO standard.

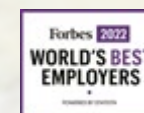
4 WAYS TO MAKE YOUR ESCALATOR MORE ECO-EFFICIENT:

- High efficiency motors minimise energy consumption at full speed.
- Lubrication-free step chain means no oil, a cleaner escalator and environment, reduced fire hazard, simpler cleaning and easier maintenance.
- Long-lasting led lighting is up to 80% more efficient than fluorescent lighting and lasts up to 10 times longer.
- Eco-efficient operational modes save energy by slowing down or stopping the escalator completely when traffic is low. For example, when an escalator is empty, energy consumption is further reduced by slow stand-by speed and furthermore by stopping the escalator.

KONE holds the EcoVadis Gold medal for its sustainability performance, being in the top 3% of all the assessed companies. The **EcoVadis** rating covers a broad range of non-financial management systems including environmental, labor and human rights, ethics, and sustainable procurement impacts.

KONE has been recognized by CDP for its actions towards reducing emissions, mitigating climate risks, and developing a low-carbon economy. KONE achieved a place on **CDP's prestigious A List** signifying that we rank among a small number of high performers.

KONE has been recognised as one of the best employers in the world by Forbes business magazine on their **Forbes 2022 World's Best Employers list**.



FLEXIBILITY TO MATCH YOUR BUILDING REQUIREMENTS

KONE TransitMaster™ 140 is a public transportation escalator for the highest people flow and long, even continuous, operating hours. It is designed to enable the seamless flow of large number of passengers, fulfilling your requirements, from both technical and visual point of view.

C4 Corrosion Packages

For extreme environments a full proposal of C4 corrosion protection options are available. Long lasting escalators will allow your building to operate with high performance for extended period of time.

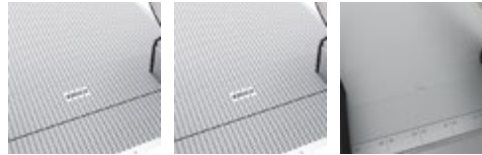
Flexible Features

KONE TransitMaster™ 140 escalators are designed to fit in all your buildings, with wide variety of options for different environments. KONE engineering capabilities will help you to fulfill your specifications in the best possible way.

Tailor-Made Possibilities

The renowned engineering and design capabilities are always available to realize the architectural vision with customised specifications for your premises.

ACCESS COVERS



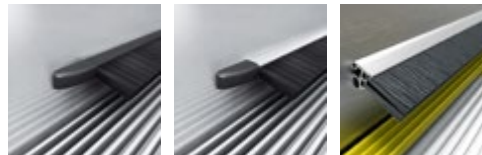
Aluminum access cover with stainless steel surface

Aluminum access cover with etched stainless steel surface

Natural ribbed aluminum

SKIRTING

SKIRT BRUSH HOLDER

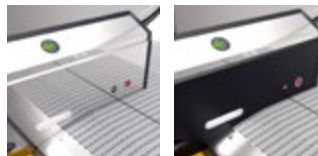


Black anodized aluminum

Clear anodized aluminum

Clear anodized aluminum, double brushes

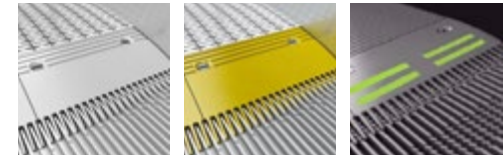
SKIRT



Brushed stainless steel skirt with clear anti-friction coating

Sheet steel skirt with black anti-friction coating

COMB



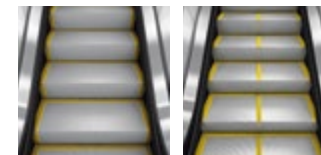
Aluminum comb segments

Aluminum comb with yellow coating

Aluminum comb with yellow plastic inlay (RAL1023)

STEPS

STEP DEMARCATION



Yellow painted on 3 sides (RAL1004)

Yellow painted on 3 sides and in the center (RAL1004)

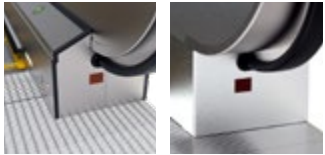
STEP COLOR



Silver painted

Black painted

FRONT PLATE



Satin polished stainless steel front plate for glass balustrade

Satin polished stainless steel front plate for solid balustrade

DISPLAY



Diagnostic display

CLADDING



Premium cladding stainless steel or sheet steel with any RAL color

Hairline stainless steel

Mounting strip (for customer cladding)

BALUSTRADE

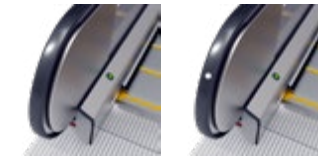


Clear glass balustrade panels

Brushed stainless steel solid inclined panels

Passenger fall protection barrier

HANDRAILS



Black

Black with white dots

DECKING



Brushed satin stainless steel

LIGHTING

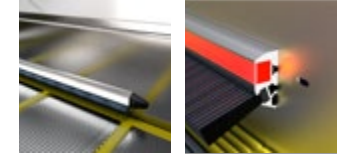
LED HANDRAIL LIGHTING



White

KONE Design Lighting, handrail

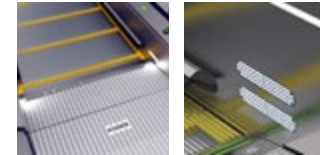
LED SKIRT LIGHTING



White

KONE Design Lighting, skirt

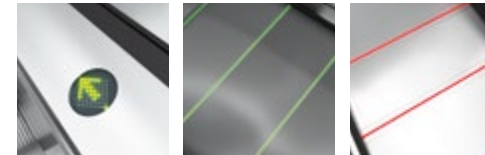
COMB LIGHTING



LED comb lighting (white)

LED multiple comb lighting (white)

ADDITIONAL LIGHTING



LED traffic lights located in the decking

Under step demarcation lighting green

Under step demarcation lighting red

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