

KONE TRANSITMASTER™ 180

Heavy Duty Transit Escalator

With over 100 years of experience in the elevator and escalator industry, KONE is your trusted partner, dedicated to ensuring smooth People Flow™. KONE's reliable escalator solutions use proven technology and are designed to meet the needs of demanding heavy duty transit environments, such as airports, metro (underground), rail and other transit centers.



The main benefits of the TransitMaster 180

- Industry best Direct Drive system with 96% efficiency, maintenance space saving location inside the stepband, and requires no drive chain or handrail drive chain
- The possibility for a lubrication-free step chain means no oil, a cleaner escalator and environment, reduced fire hazard, simpler cleaning and easier maintenance
- Standby speed operation reduces the escalator speed when no passengers are traveling, thus further reducing energy consumption and increasing equipment lifetime
- 100% compliant with the American Public Transportation Association's (APTA) Heavy Duty Escalator Design Guidelines, which include the most stringent transit requirements in the industry

Main Characteristics of the TransitMaster 180

Market Segment	Metro, Airports, Rail systems and other transit centers
Maximum rise	up to 59' (18 m)
Inclination	30°
Transition radii	Upper / Lower Radius: 2.7 / 2.0 & 1.5 / 1.0
Speed	100 fpm (0.5 m/s)
Step width	32", 40" (800 mm, 1000 mm)
Step load	320 lbs. (145kg)
Step chain	Outside roller chains (Ø 100 x 1 in.)
Horizontal steps	2/2, 3/3, 4/4
Handrail Type	V-Type
Balustrade type	Solid inclined balustrade
Balustrade thickness	0.11 in (3mm)
Balustrade height	40" (1000 mm)
Skirt material	Stainless Steel 316
Front plate material	Stainless Steel 316
Environment	Indoor / Outdoor
Load profile	Overall load profile 54.1% 24h/day; 7 days/week 12.5% time at 100% load 25% time at 50% load 62.5% time at 25% load