



ENERGY EFFICIENCY CONTROLLER (EEC)

Electricity is one of the most significant cost factors in modern companies. It is therefore an important business objective to reduce energy consumption in order to remain competitive.

By reducing its energy consumption, a company not only saves costs, but also positions itself in the market as a forward-thinking, sustainable company that can retain environmentally conscious buyers in the long term.

**Energy Efficiency Controller:
The sustainable solution for eco-friendly and
energy-saving escalators**

The TKE Energy Efficiency Controller is especially designed for commercial use and is market proven with thousands of installations in Europe. With EEC, you can easily retrofit your existing escalators – even very old models – and transform them into sustainable, energy-saving installations. It features intelligent technology that works depending on the load of the escalator or moving walk.

How it works

EEC has been specially developed to provide a very environmentally friendly and energy efficient escalator. Depending on the load of the escalator, the power consumption is adjusted.

The energy saving mode is activated when the load is less than 50% of the capacity of the escalator. The system detects how many people are on an escalator and adjusts the energy consumption accordingly.



Your benefits:

-  Keeps nominal speed while saving energy
-  Reduces mechanical stress of the motor
-  Decreases the motor temperature
-  Reduces voltage stress

18-23%

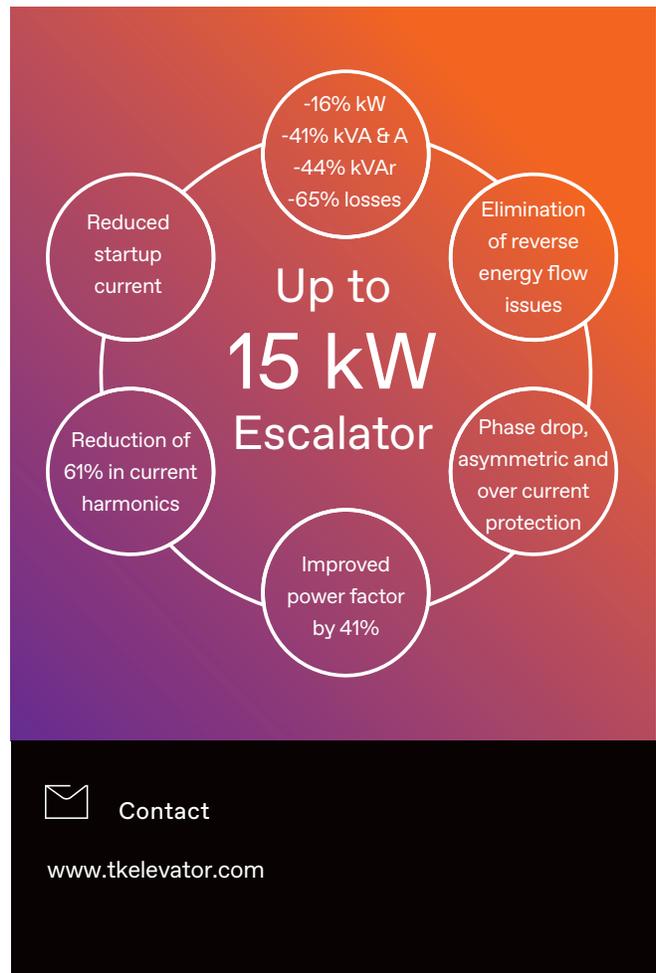
reduced energy consumption without impacting operation, speed and capacity of your escalator

↑ Motor life expectancy

↑ Efficiency

↓ Downtime

↓ Energy costs



Up to 15 kW Escalator

- 16% kW
- 41% kVA & A
- 44% kVAR
- 65% losses
- Elimination of reverse energy flow issues
- Phase drop, asymmetric and over current protection
- Improved power factor by 41%
- Reduction of 61% in current harmonics
- Reduced startup current

Contact
www.tkelevator.com