

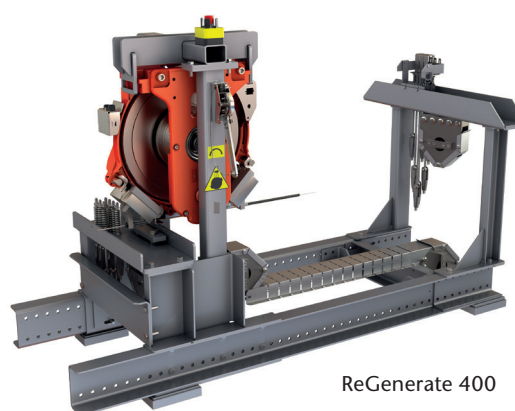
KONE REGENERATE™

Modernization of elevator hoisting and electrification

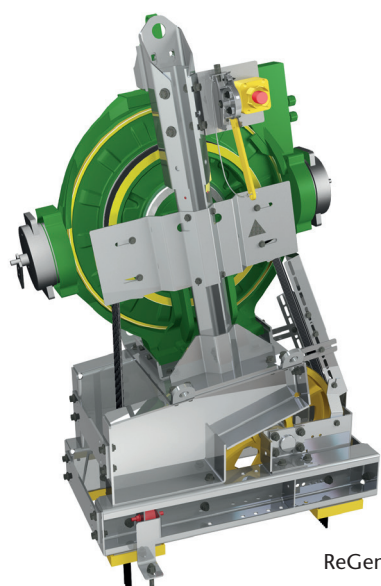
Hoisting and electrification modernization

KONE ReGenerate™ is a modernization solution consisting of the hoisting machine, bedplate and ropes, control and drive system, and signalization. It improves the energy efficiency, reliability and safety of the existing elevator. KONE ReGenerate can serve applications from small residential buildings to demanding elevator groups for busy office buildings. It meets the latest safety requirements and has been independently certified to be compliant with the requirements of EN81-1 A3.

KONE ReGenerate is available in two versions. KONE ReGenerate 200 is designed for elevators typically found in residential buildings, while KONE ReGenerate 400 is for commercial buildings such as offices, hotels and department stores.



ReGenerate 400



ReGenerate 200

Save thousands of kWh a year

In a typical application**, the KONE PowerDisc™, the alternative hoisting machine in the KONE ReGenerate™ solution, consumes up to 60% less energy than old elevators with a 2-speed traction drive. The KONE regenerative solution can increase these savings still further.

**1.0 m/s, load 630 kg, 200,000 starts/year

KEY BENEFITS

- Consists of hoisting machine, bedplate and ropes, control and drive system, signalization
- Built on proven KONE MonoSpace® technology
- Quick installation time - reduced downtime

Eco-efficient

- Highly eco-efficient gearless hoisting machine and drive system reduces operating costs
- KONE regenerative drive solution can reduce energy consumption by up to an additional 25%*
- Lighting, fan, drive and signalization standby mode reduces energy consumption when elevator is idle
- Low thermal losses, often eliminates need for additional cooling devices in machine rooms

Safe and convenient

- Complies with all EU safety and accessibility standards
- Ascending car overspeed and uncontrolled car movement protection as standard
- Uses no oil - environmentally friendly
- Low noise levels, making it ideal for use in residential buildings
- Exceptional ride comfort and leveling accuracy
- KONE Voice Link™

Reliable

- Typical lifetime 25 years, depending on elevator usage

*Optional

KONE ReGenerate™ from top to bottom



Safe and reliable

KONE ReGenerate is based on a gearless KONE EcoDisc™ or KONE PowerDisc™ machine. These hoisting machines use a low starting current, providing high electrical efficiency. KONE ReGenerate includes a complete new electrification solution, which provides safe and reliable operation, accurate floor leveling and smooth ride comfort.

Energy saving

KONE ReGenerate, with the KONE PowerDisc or KONE EcoDisc® hoisting machine, can reduce electricity consumption by as much as 60% compared with a 2-speed traction elevator, when car lighting and signalization are upgrade with LED illumination together with standby mode. The KONE regenerative drive

solution can reduce energy consumption still further, by as much as 25%, by recovering braking energy which can be used for lighting in the building, for example.

For passengers' peace of mind

KONE ReGenerate comes with ergonomic new signalization, which provides improved access for passengers, including passengers with disabilities. There is a choice of KONE ReVive™ signalization packages to match different building styles.

For passengers' peace of mind, KONE ReGenerate is equipped with the KONE Voice Link™, an in-car two-way communication device providing immediate connection with a KONE Customer Care Center™.

Machine	ReGenerate 200				ReGenerate 400	
	MX06		MX10		GMX1	GMX2
	1:1	2:1	1:1	2:1	4:1	4:1
Max. load (kg)	325	630	575	1150	630	1150
Max. speed (m/s)	1.6	1.6	1.6	1.6	1.6	1.6
Max. travel (m)	30	30	50	50	40	75
Max. floors	24	24	24	24	16	24
Max. elevators in group	4	4	4	4	4	6
Max. starts/year	200,000	200,000	200,000	200,000	200,000	300,000
Levelling accuracy (mm)	+/- 5	+/- 5	+/- 5	+/- 5	+/- 5	+/- 5



Experienced KONE service technicians make sure the job is completed accurately and reliably.

For more information go to kone.com

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