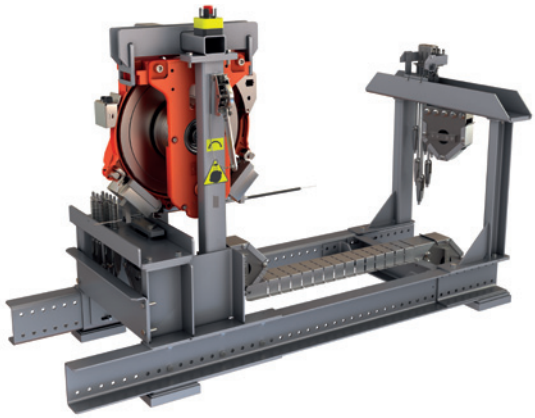
Dedicated to People Flow™

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 EN81-80 safety requirements and has been independently certified to be compliant with the requirements of EN81-1.

KONE ReGenerate is available in four versions suitable for most traction elevator applications typically found in residential or commercial buildings.



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. 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 MonoSpace technology, more than 200,000 units in operation
- Quick installation time - reduced downtime

Eco-efficient
- Highly eco-efficient gearless hoisting machine and drive system reduces operating costs
- KONE regenerative 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 EN 81-1/2 (European Safety Standard)
- Complies with EN 81-70 (European Accessibility Standard)*
- Uses no oil - environmentally friendly
- Low noise levels, making it ideal for use in residential buildings
- Exceptional ride comfort and leveling accuracy
- KONE Remote Monitoring Voice Link

Reliable
- Typical hoisting function 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 traction elevator, when signalization is upgraded with LED lights and car lighting has saving mode. The KONE regenerative 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 Remote Monitoring Voice Link, an in-car two-way communication device providing immediate connection with a KONE Customer Care Center.

	KONE EcoDisc®		KONE PowerDisc™	
Machine types	MX 1.1	MX 2:1	GMX1	GMX2
Load range	180 - 500kgs	500 - 1000kgs	180 - 630kgs	560 - 1150kgs
Speed	0.5 - 1m/s	1m/s	0.5 - 1.6m/s	0.5 - 1.6m/s
Max travel	50	50	40	75
Max floors	24	24	16	24
Max elevators in group	3	3	3	6
Max starts/ year	200 000	200 000	200 000	300 000
Machine room location	above	above, side, below	above	above
Leveling accuracy	+/-5mm	+/-5mm	+/-5mm	+/-5mm
Typical lifetime of hoist	25 years	25 years	25 years	25 years
Max noise in machine room	55 dB(A)	55 dB(A)	78 dB(A)	73 dB(A)

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

For more information go to KONE.com

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