

KONE REGENERATE™

# Modernisation of elevator hoisting and electrification

## Hoisting and electrification modernisation

KONE ReGenerate™ is a modernisation solution consisting of the hoisting machine, bedplate and ropes, control and drive system and signalisation. 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, and signalisation
- 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 signalisation 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 signalisation 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 signalisation, which provides improved access for passengers, including passengers with disabilities. There is a choice of KONE ReVive™ signalisation 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 Centre.

Machine types	KONE EcoDisc®		KONE PowerDisc™	
	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 [www.KONE.co.uk](http://www.KONE.co.uk)