

Dedicated to People Flow™



KEY LEGEND

MM	=	MELL WIDTH
MD	=	MELL DEPTH
CM	=	CAR WIDTH
CD	=	CAR DEPTH
LL	=	DECK WIDTH
LD	=	DECK DEPTH
MO	=	DECK RAIL OPENING WIDTH
MD	=	DECK RAIL OPENING HEIGHT
SH	=	OVERHEAD HEIGHT
PH	=	FIT HEIGHT
FW	=	LEFT FRONT WALL
FR	=	RIGHT FRONT WALL



TOP CLEARANCES



MonoSpace 500

TECHNICAL SPECIFICATIONS

KONE PRODUCT	: PWD9/10-19
GROUP SIZE	: 1
SAFETY REGULATIONS	: EN 120
LOAD	: 10 kN
SPEED	: 1.0 m/s
STOPS	: 0

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PROJECT NAME:

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Modernization upgrade packages for KONE MonoSpace® elevator

It's time to take a fresh look at your KONE MonoSpace[®] elevator

Time takes its toll – even on elevators. After years of reliable service and countless rides, your KONE MonoSpace elevator requires a little rejuvenation. In the years since your KONE elevator was installed, we have made important technical advances to enhance its safety, performance, energy efficiency, comfort and general appearance. We have a wide range of quick-to-install modular upgrade solutions to suit all needs and budgets, covering the following key areas.

BENEFITS	▼ UPGRADE PACKAGES
 <h3>Optimized energy efficiency</h3> <p>Our upgrades deliver energy-efficient improvements that enable significant savings. Installing a regenerative drive module and new LED lighting with standby solutions can reduce your energy costs up to 50%.</p>	<ul style="list-style-type: none">▶ Electrification upgrade▶ Regenerative drive module▶ LED car lighting
 <h3>Increased performance and reliability</h3> <p>You can also make significant improvements to your elevator's performance and reliability. We can for example change your elevator's car door operator while increasing the performance and reducing call outs.</p>	<ul style="list-style-type: none">▶ Electrification upgrade▶ KONE ReNova™ car door upgrade▶ Drive replacement▶ Sliding shoe replacements▶ Brake noise reduction kits
 <h3>Uncompromised safety and peace of mind</h3> <p>Safety is of course always a priority, and it's the details that matter. Voice announcer alerts users to opening and closing doors, and a voice link provides a direct two-way communication link between a passenger in the elevator car and the KONE Customer Care Center.</p>	<ul style="list-style-type: none">▶ Electrification upgrade▶ Voice Announcer▶ Two Way Voice link with GSM module▶ Uncontrolled Car Movement detection
 <h3>Unique design</h3> <p>Our highly reliable signalization system provide a stylish, updated look.</p>	<ul style="list-style-type: none">▶ Signalization upgrade
 <h3>Enhanced accessibility</h3> <p>Making sure all passengers can use your elevator smoothly and safely is important. Installing a new drive improves leveling, and upgrading the elevator doors enhances accessibility.</p>	<ul style="list-style-type: none">▶ KONE ReNova car door upgrade▶ Drive replacement



Challenge:

Your elevator's ride comfort and leveling accuracy may have deteriorated over time, or there may be new requirements that your existing equipment simply cannot meet.

Benefits:

- Maximized availability enabled by the latest-generation electrification with high reliability, combined with improved diagnostics and easier, faster fault finding.
- Maximum reliability and performance, improved ride comfort, and accurate leveling enabled by modern drives.
- Safe operation ensured through continuous monitoring for short circuit or over-connection of the elevator's safety functions.
- Eco-efficient performance associated with today's elevator installations. Idle and standby modes combined with improved drive efficiency reduce energy consumption, Upgrading the elevator with an optional regenerative drive enables further energy savings.



Challenge:

Older signalization systems can suffer from technical problems, present accessibility challenges, and may also look outdated and worn. Clear guidance is critical for all passengers, but particularly those with visual impairments.

Benefits:

- Modern signalization that complies with the EN81-70 accessibility code.
- A wide range of signalization types with visually appealing designs for all applications.
- Reliable operation that minimizes elevator downtime.



KONE MONOSPACE® CAR UPGRADE



Challenge:

Poor or broken car lighting, a lack of clear guidance, and the absence of a voice communication system are common complaints from elevator users and can create a negative impression of the building to your tenants or visitors.

Benefits:

- Improved eco-efficiency and reduced energy consumption
- Long-life, energy efficient LED lighting that reduces repair-related elevator downtime.
- Voice announcer system provides clear guidance for visually impaired passengers.
- Voice link system that provides a direct two-way communication link between elevator passengers and the KONE Customer Care Center in the event of emergency.
- New low-friction guide shoes that improve ride comfort and reduce noise and vibration.

KONE MONOSPACE® CAR DOOR OPERATOR UPGRADE



Challenge:

Car and landing doors account for more than 50% of the reliability issues found in existing elevators. The average door operator will perform millions of openings and closings during its lifetime, and will eventually need replacing.

Erratic and inconsistent door operation, high levels of noise, and lack of door reversal devices are all signs of an aging door system.

Benefits:

- Reliable door operation that improves performance and traffic handling, with opening and closing speeds that can be adjusted according to the needs of the building.
- Modernization solutions ranging from the replacement of key components to replacing the complete door system.
- Modern light curtain object-detection system that improves door safety.

KONE MONOSPACE® MACHINERY UPGRADE



Challenge:

Changes in your building's configuration may mean that tenants are located closer to the source of elevator machine brake noise than originally intended. In addition, older-generation elevators may not be fitted with the latest brake safety devices.

Benefits:

- Our latest-generation brake technology includes improved brake modules and dampening materials that significantly reduce elevator brake noise.
- The car is also monitored for uncontrolled movement and ascending car overspeed, which are then stopped via high powered, asbestos-free brakes applied directly to the traction sheave.

Upgrading your KONE MonoSpace® elevator

A seamless process

Whatever options you select, our experts ensure that the entire upgrade process proceeds smoothly from start to finish – most upgrades are completed within a few days. Our goal is that your elevator runs in the most efficient, safe and comfortable manner for years to come.

1 RECOMMENDATION OF UPGRADE



2 INSTALLATION OF NEW COMPONENTS



3 COMPLETION AND QUALITY INSPECTION

Energy saved

Installing a regenerative drive module and new LED lighting with standby solutions can reduce your energy costs up to 50%.





KONE provides innovative and eco-efficient solutions for elevators, escalators, automatic building doors and the systems that integrate them with today's intelligent buildings.

We support our customers every step of the way; from design, manufacturing and installation to maintenance and modernization. KONE is a global leader in helping our customers manage the smooth flow of people and goods throughout their buildings.

Our commitment to customers is present in all KONE solutions. This makes us a reliable partner throughout the life cycle of the building. We challenge the conventional wisdom of the industry. We are fast, flexible, and we have a well-deserved reputation as a technology leader, with such innovations as KONE MonoSpace®, KONE EcoMod™ and KONE UltraRope™.

KONE employs on average 47,000 dedicated experts to serve you globally and locally.

KONE Corporation
www.kone.com