

MACHINE-ROOM-LESS GOODS AND SERVICE ELEVATOR

KONE MonoGoods™



Moving goods and heavy loads just got easier

To move goods and heavy loads, you need an elevator that is designed specifically for that purpose:

- Fast and durable hoisting to cope with rough treatment
- A smooth ride to handle fragile loads
- Levelling accuracy for easy loading and unloading
- Full-width doors that maximise the usage of space in the car
- A selection of signalisation and interior designs for an easy match to the building's interior

The powerful and high-performance KONE MonoGoods™ elevator solution is ideal for a multitude of demanding vertical transportation tasks in a variety of buildings: supermarkets, shopping centres, airports, warehouses, hospitals, hotels, industrial plants and offices.

This elevator is fully customisable and combines speed, power and premium quality designs.

More hoisting power, lower energy consumption

The power to lift up to 5000kg

The KONE MonoGoods™ elevator solution is based on the machine- room-less KONE MonoSpace® platform. It incorporates the highly reliable and eco-efficient KONE EcoDisc® hoisting machine for exceptional power and performance.

This machine delivers more hoisting power with less energy:

- It consumes 70% less energy than a hydraulic drive
- Over the lifetime of the equipment, the energy savings can amount to more than the original cost of the elevator
- No oil is required, reducing fire risk and environmental impact



A typical 2000 kg hydraulic elevator versus KONE MonoGoods™

Load 2000kg	Conventional hydraulic	Gearless KONE
Speed (m/s)	0.6	0.5
Motor power (kW)	28	6
Starting current (A)	112 S/D	28.2**
Main fuse size (A)	63	16
Power consumption (kWh) > 100,000 starts/year	10,400	5800
Thermal losses (kW)	5.8	1.9
Oil requirements (L)	240	0
Noise (dBA)*	Typically 70	Less than 55
Machine room (m ²)	6	0

* Measured 1 m from machine.

** Including lighting.

Outstanding power and performance

Exceptionally space-efficient

The KONE MonoGoods™ elevator needs no machine-room at all. This means:

- Easier positioning of the elevator in the building
- Reduced building construction time and costs
- More efficient, safer elevator installation processes
- Up to 30m³ extra building space that can be used more profitably.

Reliable, high performance

The KONE MonoGoods elevator solution provides reliable operation, outstanding traffic performance and a smooth ride at up to 1.6m/s. The ride quality is the result of the motor's low rotational speeds. The low friction, gearless construction of the KONE EcoDisc® hoist reduces wear, so it increases the reliability and durability of the machine.





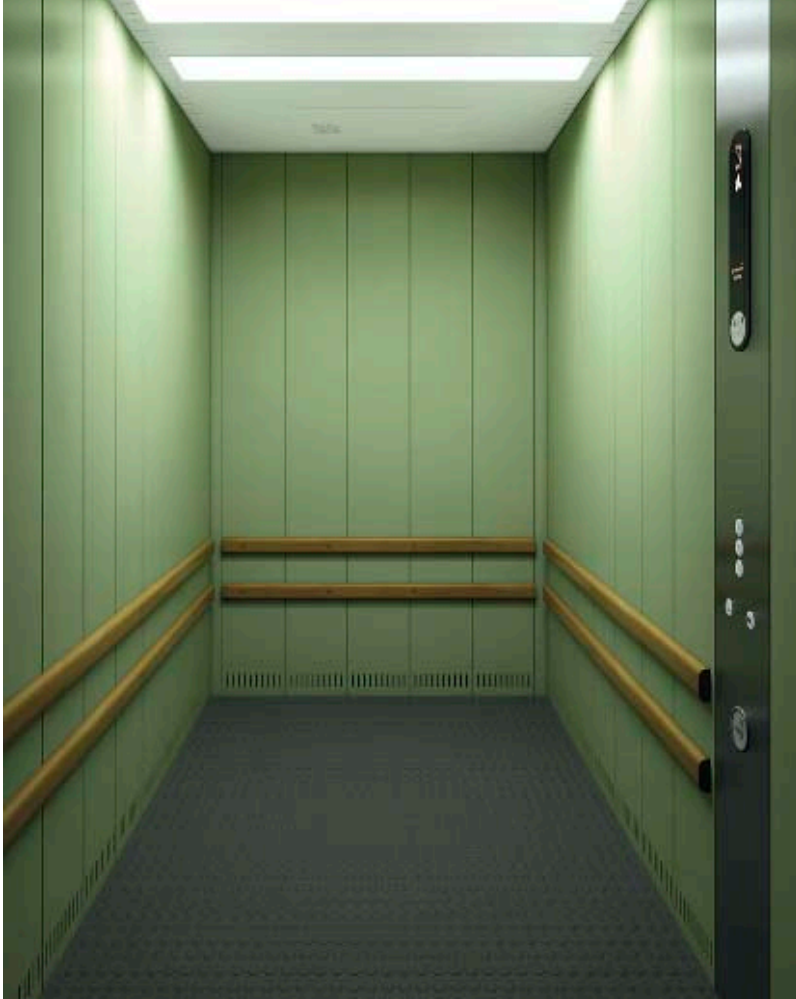
Easy loading and unloading

Powered by the gearless KONE EcoDisc® machine, the KONE MonoGoods elevator solution features quiet operation, smooth running to protect fragile loads and ± 5 mm leveling accuracy to make loading and unloading easier.

Wide load range

The KONE MonoGoods elevator is available in different car sizes to transport goods and other heavy loads. With a maximum load capacity of 5000 kg, it can meet virtually every transportation requirement in a variety of building types.

Main specifications	
Load capacity	1000 - 5000 kg/13 - 66 persons
Speed	0.5 - 1.6 m/s
Max. travel	40 m up to 4000 kg, 23m up to 5000kg
No. of floors	12, also applicable for TTC
Persons	13 - 66
Group size	Max. 4/group
Hoisting machine	Gearless KONE EcoDisc®
Doors	Automatic centre opening
Car door height	up to 2400 cm
Code compliance	EU directive 95/16; EN81-1:1998 Optional EN81-70, EN81-73 and EN81-71



Durable design

The KONE MonoGoods™ cars are built for the job. The car is finished in stainless or powder-painted steel, protected by buffer rails, and equipped with direct, fluorescent lighting. A second car operating panel is optional and combined with a 400 mm minimum floor-to-floor distance to suit the through-car application.

With a wide selection of wall, floor and landing door materials, the elevator can be seamlessly integrated into the building's interior.

Extra wide doors

The KONE MonoGoods elevator is equipped with full-width, centre opening doors, which retract fully for the easy movement of passengers and goods. Further door area protection includes a curtain of light or 3D passenger detection. The strong double skin door panels are finished in stainless, powder-painted steel or zinc coated steel.





A multi-purpose elevator

This fast yet powerful elevator can even be used as a passenger elevator in shopping centres and airports where large elevator cars and fast speeds ensure uninterrupted people flow throughout the building.

KONE Vehicle™ elevator

The KONE MonoGoods elevator is even suitable for vehicle transportation from underground or rooftop car parks where space is at a premium.

Its main features include:

- Machine-room-less technology that allows for extra rooftop space
- Faster ride compared to hydraulic elevators
- Energy saving due to gearless hoisting technology
- Patented lightweight floor. Saves approx. 2000 kg in a typical 3000 x 6000 mm car compared to a conventional floor
- Full car width doors
- Easy elevator call with a separate landing call station on a raised pedestal
- KONE 3D passenger detector opens the elevator doors as you approach and keeps them open as you enter or exit.

KONE MonoGoods™ signalisation

Select from a wide range of durable and user-friendly elevator signalisation series

KSS 130



Faceplate finishing:
Scottish Quad, textured stainless steel and Asturias Satin brushed stainless steel

Vandal resistant
(EN81-71 compatible) and suitable for fire fighting elevators

KSS 305



Faceplate finishing:
Coated metal (R1), Monterrey Silver

KSS 420




Faceplate finishing:
Asturias Satin brushed stainless steel

KSS 470



Faceplate finishing:
Asturias Satin brushed stainless steel

KSS 670



Faceplate finishing:
Asturias Satin brushed stainless steel

Ceiling



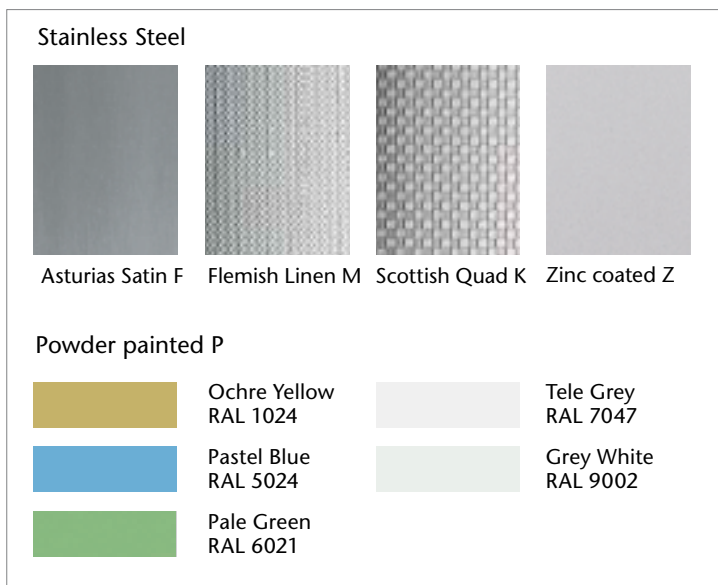
Mirrors



Wall material



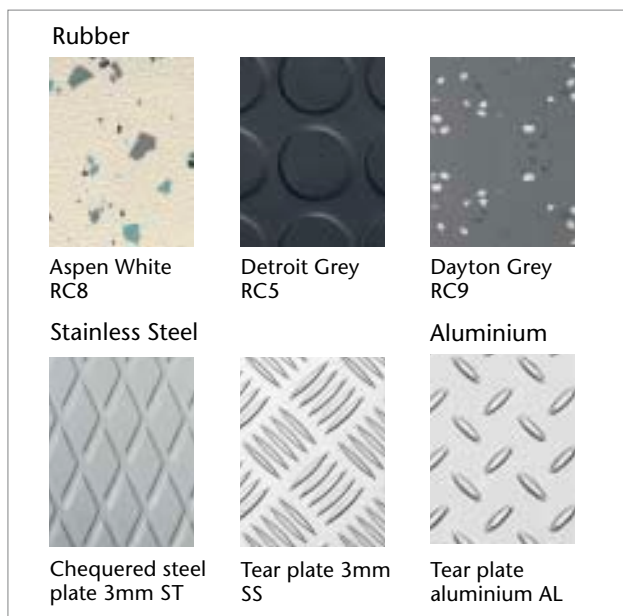
KES 600 / KES 800 door finishes



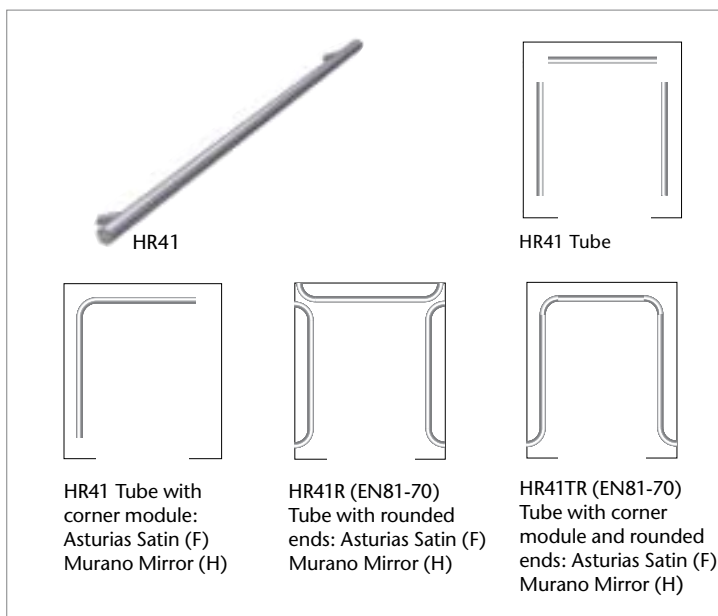
Car buffer rails



Floor material

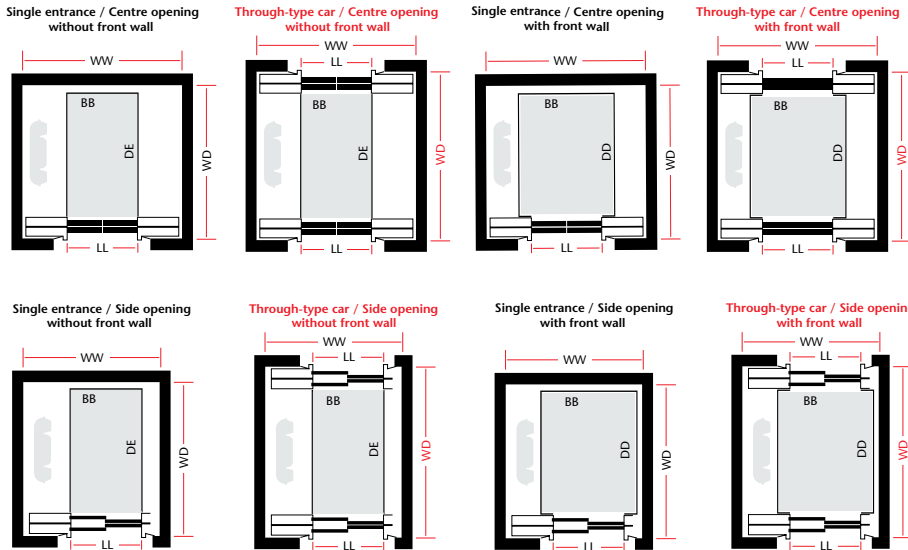


Handrails



Planning data

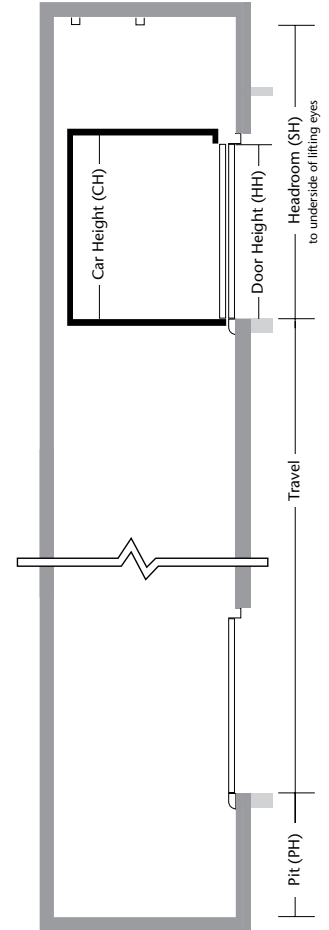
Shaft plan



Available speeds								
RATED SPEED	1000kg	1275kg	1600kg	2000kg	2500kg	3000kg	4000kg	5000kg
0.5m/s								
1.0m/s								
1.6m/s								

Available
 Not Available

Shaft dimensions



Elevators for goods, typical car and shaft sizes					
Max. load (kg)	Car size (mm)	Car type*	Shaft width (mm)	Shaft depth (mm)	Door width (mm)
1000	1100 x 2000	SEC	1900	2450	1000
1000	1000 x 2000	TTC	1800	2700	900
1275	1200 x 2300	SEC	2100	2750	1100
1275	1200 x 2200	TTC	2100	2950	1100
1600	1400 x 2400	SEC	2350	2800	1400
1600	1400 x 2400	TTC	2350	2950	1400
2000	1500 x 2700	SEC	2500	3100	1500
2500	1800 x 2700	SEC	3000	3300	1400
2500	1800 x 2700	TTC	3000	3300	1400
3000	2000 x 2700	SEC	3250	3150	1800
3000	2000 x 2700	TTC	3250	3400	1800
4000	2100 x 3400	SEC	3250	3850	1800
4000	2100 x 3400	TTC	3250	4000	1800
5000	2500 x 3500	SEC	3650	3950	2200
5000	2400 x 3500	TTC	3650	4200	2100

* Car type: Single entry car (SEC) and through type car (TTC).

Control system features

System features	Availability
KONE Remote Monitoring with GSM connection	○
EN81-71, Vandal resistant lifts, category 1	○
EN81-73, Behaviour of lifts in the event of fire	○
KONE E-link	○
Fire alarm link to nearest landing (EBD A)	○

Eco-efficiency features	
Regenerative drive	○*
Fluorescent car lighting	●
Car light stand-by (OCL A)	○
Ventilation stand-by (OCV A)	○
Signalisation dimming	●
Drive stand-by	○*
Corridor illuminating control (CIC)	○

Accessibility features	
EN81-70, Accessibility to lifts for persons including persons with disability	○
Curtain of light (COL)	○
3D passenger detector	○
Lift announcer (ACU)	○
Door open with extended door time (DOE B)	○
Accurate leveling doors open (ACL/B)	○

Security features	
Locking of car calls (LOC)	○
Priority call in car (PRC)	○

* Please consult your KONE sales professional.

Option ○
Built in ●

Planning Guide 1000kg - 2000kg

Car clear height (CH)	Headroom height (SH)	Door clear height (HH) available in 100mm increments
2100	3700	2000-2100
2200	3800	2000-2200
2300	3900	2000-2300
2400	4000	2000-2400
Pit Depth (PH)		
≤ 2000kg: Min. 1250mm		

Planning Guide 2500kg - 4000kg

Car clear height (CH)	Headroom height (SH)	Door clear height (HH) available in 100mm increments
2100	4100	2000-2100
2200	4100	2000-2200
2300	4100	2000-2300
2400	4100	2000-2400
Pit Depth (PH)		
> 2000 & < 3500kg: Min. 1400mm 3500kg: Min. 1750mm		

Flexible car/shaft sizes available on request.

For options not shown, including loads, car sizes, entrance sizes and speeds, please contact your local KONE Sales Executive.



KONE provides innovative and eco-efficient solutions for elevators, escalators, doors, loading bays and access. We support our customers every step of the way; from design, manufacturing and installation to maintenance and modernisation. 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 MaxiSpace™, KONE InnoTrack™ and KONE UniDrive™. You can experience these innovations in architectural landmarks such as 30 St. Mary Axe and Broadgate and 201 Bishopsgate buildings, BAA Terminal 5, Emirates Stadium, Brunel University, Citigroup, Jubilee Line and St. Georges Wharf.

KONE employs approximately 35,000 dedicated experts to serve you globally and locally in 50 countries.

KONE plc

Head Office

KONE plc, Global House, Station Place,
Chertsey, Surrey KT16 9HW
sales.marketinguk@kone.com

Regional Offices

KONE plc, Unit 6, Elmwood, Chineham
Business Park, Basingstoke,
Hampshire RG24 8WG

KONE plc, Argil Lift Works,
86 Broad Street, Glasgow G40 2PX

KONE plc, Worth Bridge Road, Keighley,
West Yorkshire BD21 4YA

KONE plc, 34 Bedford Road,
Clapham, London SW4 7HJ

KONE plc, 1000 Birchwood Boulevard,
Birchwood, Warrington,
Cheshire WA3 7QL

General Enquiries

Tel: 0845 1 999 999

www.kone.co.uk



Key

- Offices
- Branches



The paper used in this publication is 80% recycled and exceeds the strict environmental standards laid down by the Forest Stewardship Council (FSC).

This publication is for general informational purposes only and we reserve the right at any time to alter the product design and specifications. No statement this publication contains shall be construed as a warranty or condition, express or implied, as to any product, its fitness for any particular purpose, merchantability, quality or representation of the terms of any purchase agreement. Minor differences between printed and actual colours may exist. KONE, KONE Care™, KONE Customer Care Centre™, KONE Remote Monitoring Services™, KONE Modular Based Maintenance™, KONE eOptimum™, KONE Care for Life™, KONE Voice Link™, KONE Data Link™ are registered trademarks of KONE Corporation. Copyright © 2008 KONE Corporation.