

Dedicated to People Flow™



OPTIMISING THE USE OF SPACE

# KONE MaxiSpace™

# More space in the car. More space in the building.

KONE MaxiSpace™ is built especially for existing buildings, either to replace an existing elevator or to install an elevator where there wasn't one before. It is based on KONE's innovative technology that eliminates the counterweight. This is made possible by our new roping arrangement, combined with the very compact KONE PowerDisc™ motor.

Since there is no counterweight, the KONE MaxiSpace™ can increase the usable car space in the elevator by up to 50%. Or, with the same sized car, the KONE MaxiSpace™ requires a shaft one-third smaller than for a conventional solution. This is a very useful feature when installing an elevator in a building previously without one.

The KONE MaxiSpace™ solution requires only a shallow pit, little headroom and no machine room, so fewer structural modifications are required in the

building. This lowers construction costs and shortens the time needed for installation. Since there is no machine room, the KONE MaxiSpace™ can serve the top floor of the building, without a machine room on the roof.

## Matches the style and architecture

KONE provides a wide range of choices of designs and materials for the shaft and car interior, to match the style and architecture of almost any building. If you can't find exactly what you're looking for from our KONE Design collection interiors, you can mix and match the interior elements to create a unique elevator décor. For a fully customised cabin, you can freely choose wall and floor materials for the car interior, taking into consideration weight limitations, in order to perfectly match the materials of the lobby and landings.

### Benefits

#### Increase the value of your building:

- Up to 50% more passenger capacity with the same shaft
- Or the same load capacity with 33% smaller shaft
- Enhanced safety, accessibility and ride comfort
- Reduced energy consumption
- Quick to install, minimum disruption in building
- KONE Remote Monitoring Service™

*Traction elevators usually have a hoisting arrangement with a counterweight which takes up space in the shaft. The KONE MaxiSpace™ needs no counterweight, so this space can be used to fit a larger car into the shaft.*



Your old car



Your new car



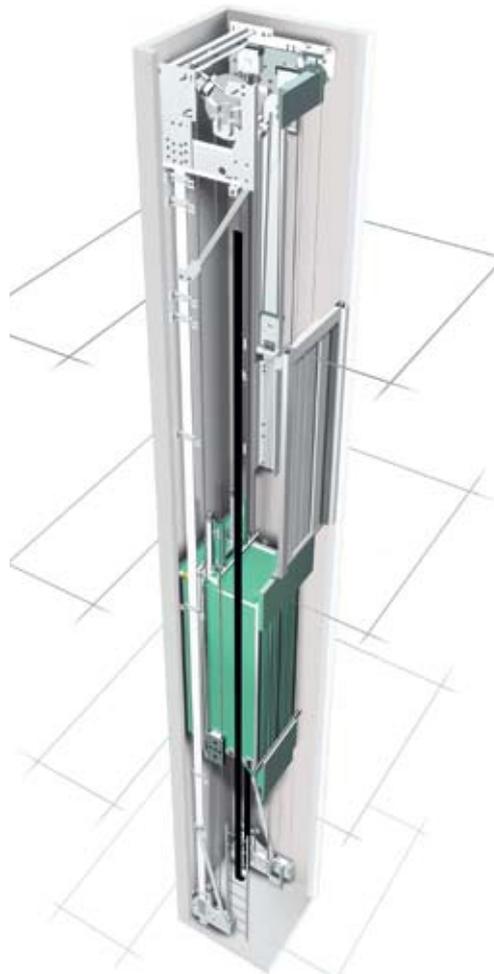
# Full replacement of an existing elevator: More car space in the same shaft

KONE MaxiSpace™ increases the space in the elevator car by 50%. So, if the existing elevator can carry four people, the KONE MaxiSpace™ solution could carry six. This increased car size provides more convenient building access, allowing easier transportation of pushchairs, wheelchairs, furniture and other large objects.

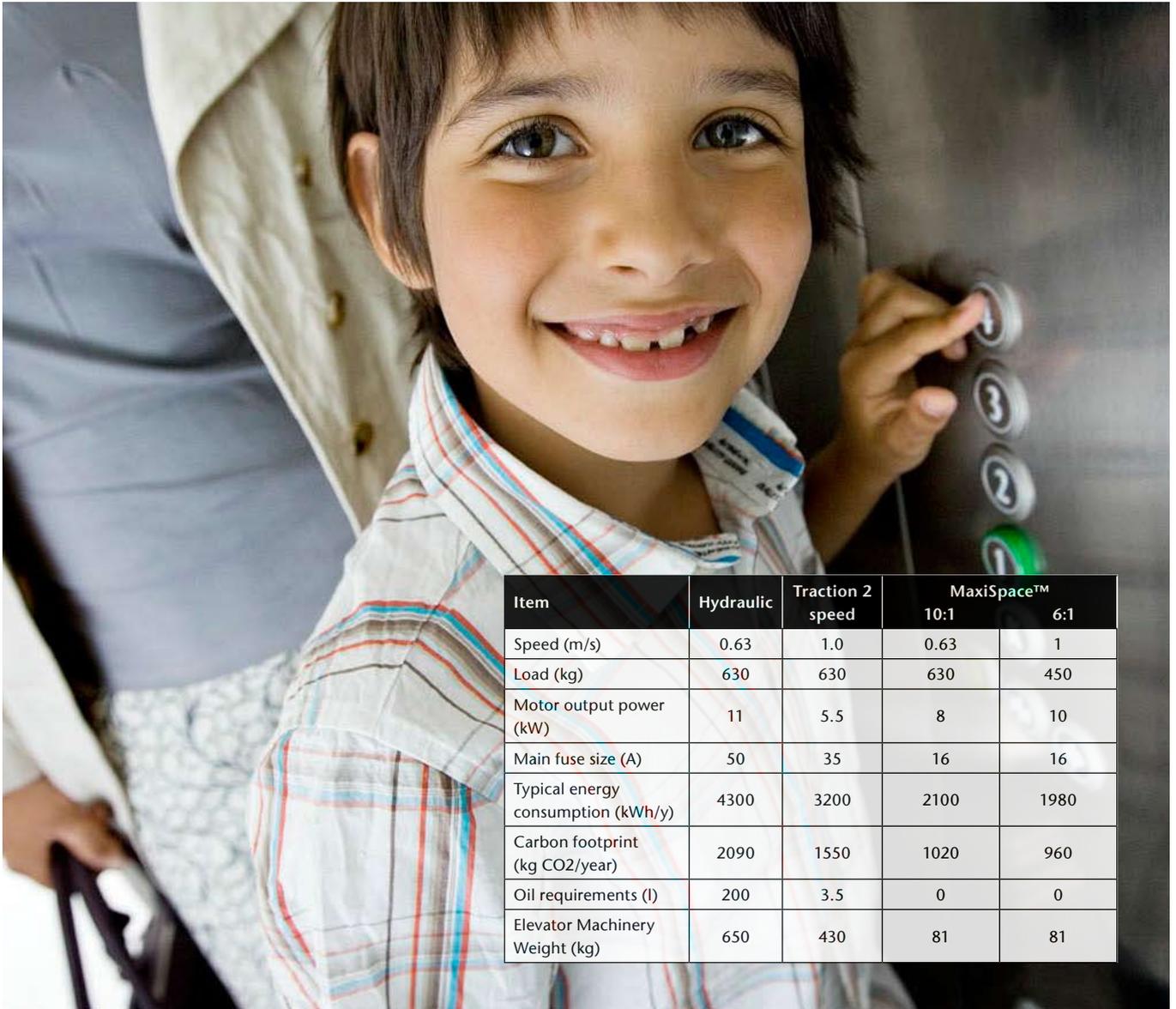
## **Extra room and an extra floor**

The KONE MaxiSpace™ requires no machine room, so you can get more usable space in the building. It can also serve the whole building – including the attic or the top-floor apartments – without having a machine room on the roof.

*The KONE MaxiSpace™ is a machine-room-less solution. With the KONE PowerDisc™, all of the hoisting equipment is in the existing shaft, so you free up space in the machine room and the elevator can go all the way up to the top of the building.*



KONE MaxiSpace™



Item	Hydraulic	Traction 2 speed	MaxiSpace™	
			10:1	6:1
Speed (m/s)	0.63	1.0	0.63	1
Load (kg)	630	630	630	450
Motor output power (kW)	11	5.5	8	10
Main fuse size (A)	50	35	16	16
Typical energy consumption (kWh/y)	4300	3200	2100	1980
Carbon footprint (kg CO2/year)	2090	1550	1020	960
Oil requirements (l)	200	3.5	0	0
Elevator Machinery Weight (kg)	650	430	81	81

## More space. Less energy.

In the long run, one of the largest costs of an elevator is the energy needed to run it. This makes the KONE MaxiSpace™ a very economical solution. Powered by the eco-efficient KONE PowerDisc™, it consumes about half as much energy as a conventional hydraulic or traction elevator. You can save even more energy with additional eco-efficient solutions, such as LED lights and standby solutions that turn off the lights when the elevator is not in use.

A typical 2-speed traction elevator in a residential building uses about 3200 kWh a year. A KONE MaxiSpace™ elevator with 6:1 roping uses 1980 kWh a year.

# KONE MaxiSpace™ planning information

KONE MaxiSpace™		
	Roping 6:1	Roping 10:1
Speed	1.0 m/s	0.63 m/s
Load	240...480 kg	320...800 kg
DD/WD min. (Slim doors, Recess=0)	850/1130 mm	1000/1250 mm
DD/WD min. (Slim doors, Recess=60)	850/1060 mm	1000/1190 mm
DD/WD min. (Folding/Swing doors)	850/1070 mm	1000/1200 mm
BB/WW min.	750/1000 mm	750/1000 mm
Floors max. A side	12	10
Entrances max.	14	14
Travel max.	29.99 m	25 m
Pit min.*	825 mm	825 mm
Headroom min.*	3100 mm	3100 mm

Default delivery for loads between 320kg and 480kg is roping 6:1 (both speeds available).

\*Minimum pit depth and head rooms are dependant upon car size

BB = car width

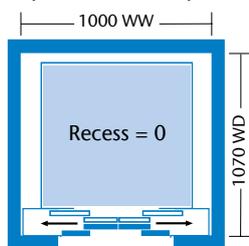
DD = car depth

WW = shaft width

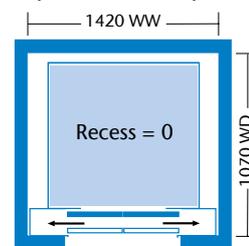
WD = shaft depth

## Door types and minimum shaft dimensions

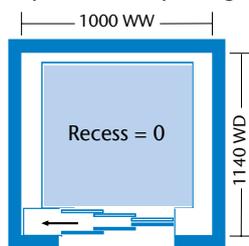
KONE ReNova™ Slim L3/C3  
4-panel centre opening door



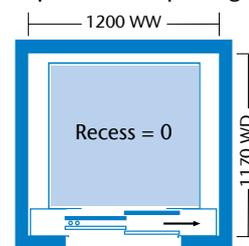
KONE AMDV L1/C1  
2-panel centre opening door



KONE ReNova™ Slim L4/C4  
3-panel side opening door



KONE AMDV L2/C2  
2-panel side opening door



Modern KONE ReNova™ Slim and KONE AMDV doors are developed for passenger elevators handling medium-intensity traffic. KONE KES 600 doors are meant for commercial and mid-rise residential buildings where customer expectations are high.

Shaft requirements for different door types		
	Shaft depth WD (minimum)	Shaft width WW (minimum)
KONE ReNova™ Slim L3/C3	1070	1000
KONE ReNova™ Slim L4/C4	1140	1000
KONE AMDV L1/C1	1070	1420
KONE AMDV L2/C2	1170	1200
KONE KES600 L1/C1	1070	1520
KONE KES600 L2/C2	1170	1280

# Car Interiors



**Spring M3110**  
Ceiling: LF85  
Signalisation: KSS 420  
Mirror: Partial height, rearwall  
Handrail: HR53  
Walls: Castellance Aluminium AL2  
Floor: Detroit Grey RC5  
Skirting: None



**Summer M3120**  
Ceiling: LF85  
Signalisation: KSS 420  
Mirror: Partial height, rearwall  
Handrail: HR53  
Walls: Savannah Ivory AL1  
Floor: Detroit Grey RC5  
Skirting: None



**Autumn M3131**  
Ceiling: LF86  
Signalisation: KSS 420  
Mirror: Partial height, rearwall  
Handrail: HR53  
Walls: Savannah Ivory AL1  
Floor: Dallas Black RC6  
Skirting: None



**Winter M3141**  
Ceiling: LF86  
Signalisation: KSS 420  
Mirror: Partial height, rearwall  
Handrail: HR53  
Walls: Torino Satin AL3  
Floor: Dallas Black RC6  
Skirting: None



**Spring M5110**  
Ceiling: LF85  
Signalisation: KSS 470  
Mirror: Full height, rearwall  
Handrails: HR53  
Walls: Belize Latte L33  
Floor: Bianco Perla SF5  
Skirting: Asturias Satin F



**Summer M5120**  
Ceiling: LF85  
Signalisation: KSS 470  
Mirror: Full height, rearwall  
Handrails: HR53  
Walls: Siena Terracotta L15  
Floor: Diorite Black SF2  
Skirting: Asturias Satin F



**Autumn M5131**  
Ceiling: LF86  
Signalisation: KSS 420  
Mirror: Partial height, rearwall  
Handrail: HR53  
Walls: Washington Cherry L13  
Floor: Diorite Black SF2  
Skirting: Asturias Satin F



**Winter M5141**  
Ceiling: LF86  
Signalisation: KSS 420  
Mirror: Partial height, rearwall  
Handrail: HR53  
Walls: Siena Terracotta L15  
Floor: Bianco Perla SF5  
Skirting: Asturias Satin F

# Car Interiors



**Spring M7110**  
 Ceiling: LF85  
 Signalisation: KSS 470  
 Mirror: Full height, rearwall  
 Handrails: HR53  
 Walls: Washington Cherry L13  
 Floor: Bianco Perla SF5  
 Skirting: Asturias Satin F



**Summer M7120**  
 Ceiling: LF85  
 Signalisation: KSS 470  
 Mirror: Full height, rearwall  
 Handrails: HR53  
 Walls: Langkawi Grey L34  
 Floor: Bianco Perla SF5  
 Skirting: Asturias Satin F



**Autumn M7131**  
 Ceiling: LF86  
 Signalisation: KSS 470  
 Mirror: Partial height, rearwall  
 Handrails: HR53  
 Walls: Malibu Bronze L32  
 Floor: Bianco Perla SF5  
 Skirting: Asturias Satin F



**Winter M7141**  
 Ceiling: LF86  
 Signalisation: KSS 470  
 Mirror: Partial height, rearwall  
 Handrails: HR53  
 Walls: Toronto Red L35  
 Floor: Diorite Black SF2  
 Skirting: Asturias Satin F



**Deco Spring D8110**  
 Ceiling: LF85  
 Signalisation: KSS 470  
 Mirror: Partial height, rearwall  
 Handrails: HR53  
 Walls: Salava (T21) and Asturias Satin F  
 Floor: Bianco Perla SF5  
 Skirting: Asturias Satin F



**Deco Summer D8120**  
 Ceiling: LF85  
 Signalisation: KSS 470  
 Mirror: Full height, rearwall  
 Handrails: HR53  
 Walls: Taiga (T22) and Castellance Aluminium AL2  
 Floor: Bianco Perla SF5  
 Skirting: None



**Deco Autumn D8130**  
 Ceiling: LF86  
 Signalisation: KSS 470  
 Mirror: Partial height, rear-wall  
 Handrails: HR53  
 Walls: Taiga (T23) and Asturias Satin F  
 Floor: Diorite Black SF2  
 Skirting: Asturias Satin F



**Deco Winter D8140**  
 Ceiling: LF86  
 Signalisation: KSS 470  
 Mirror: Partial height, rear-wall  
 Handrails: HR53  
 Walls: Salava (T24) and Castellance Aluminium AL2  
 Floor: Diorite Black SF2  
 Skirting: None

# Signalisation

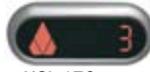
**KSC 421**  
(with dot matrix display)



**KSC 471**  
(with dot matrix display)



KSH 470



KSI 470



KSI 471



KSL 420



KSL 470

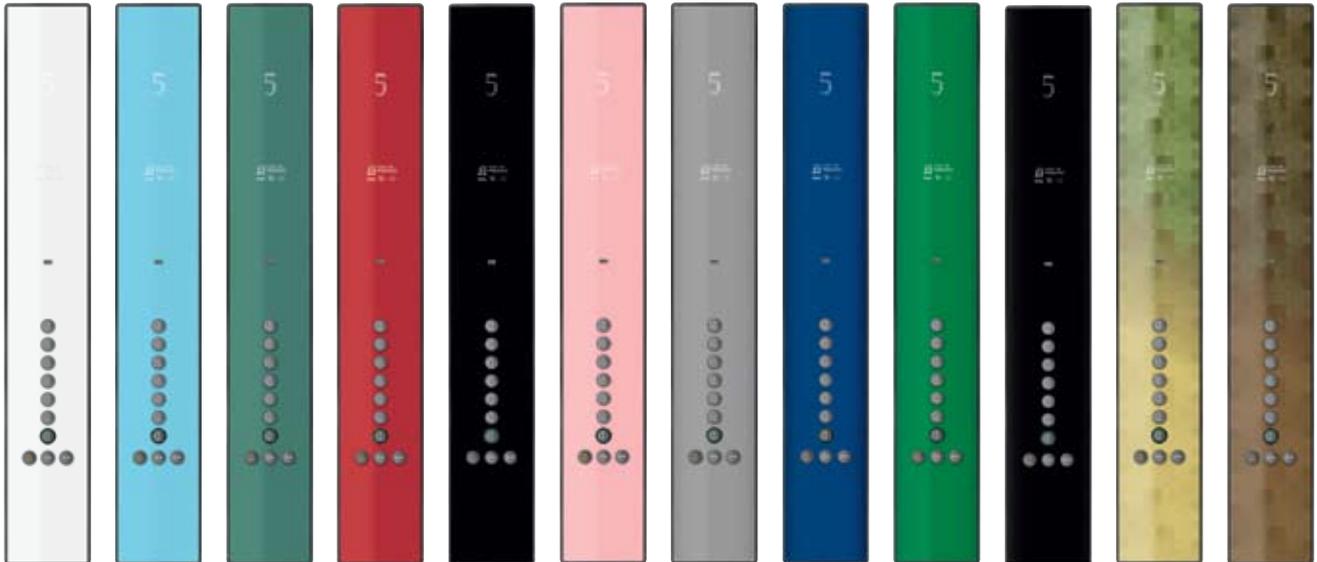
## Maintenance Access Panel

The interfaces for maintenance and rescue operations are integrated in a surface-mounted cabinet, which is fixed remotely on the shaft wall. The panel comes in a stylish Asturias Satin (F) finish.

## KONE Voice Link™ – KONE Remote Monitoring Services™

Whenever signalisation is modernised, it comes equipped with KONE Voice Link™, which gives elevator passengers round-the-clock, two-way voice communication with the KONE Customer Care Centre. Thanks to automatic transmission of the equipment location, our operator is able to dispatch the service technician immediately, and calls the passengers back to inform them when KONE service will arrive.

**KSC D20**  
(with scrolling dot matrix display)



Snow White

Horizon Blue

Almond Green

Amber Red

Ivory Black

Cherry Blossom

Silver Grey

Mist Green

Evergreen

Anthracite Black

Mist Green

Sand Beige



KSL D20



KSL D40



KSH D20  
Ivory Black



KSI D42



Snow White



Horizon Blue



Amber Red



Almond Green

Selection of 5 solid colors is available for landing devices.

# Car Interior

## Ceilings

Finishing of the ceilings is Asturias Satin F stainless steel.

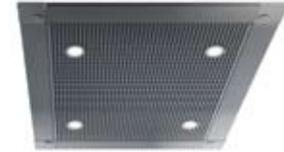
### LF85

Cyprus Solis – surface mounted lamp with fluorescent tube



### LF86

Astra Perpetua – LED spot lights



New ceilings come with 4 LED spots providing the same luminance

All ceilings can be used also with a trap door.

## Handrail

Handrail is available on rear wall and side walls. Handrail can be used with all mirror types.

### HR50

made of aluminium, with straight ends



### HR51

made of stainless steel, with straight ends



### HR53

made of stainless steel, with rounded ends (EN 81-70).



### HR54

made of wood, with straight ends



## Mirrors

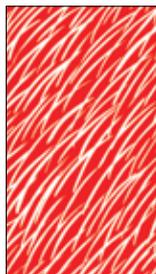
Clear type and smoked type mirrors are available. The mirrors are available in two formats: partial height and full height. Mirror position can be on rearwall and/or opposite to COP. Mirror is not available on COP wall and can be provided without handrail.

# Car Interior materials

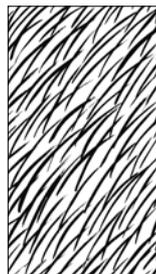
## KONE Deco Design™ walls



T21  
Salava



T22  
Taiga



T23  
Taiga



T24  
Salava

Pattern design by Marimekko®

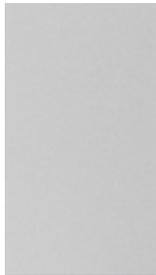
# Car Interior materials

## Walls

### Composite aluminium



AL1  
Savannah Ivory



AL2  
Castellance  
aluminium



AL3  
Torino Satin

### Stainless Steel



F  
Asturias Satin



K  
Scottish Quad



M  
Flemish Linen

### Wood veneer



L13  
Washington  
Cherry

### Laminate



L15  
Siena Terracotta



L32  
Malibu Bronze



L33  
Belize Latte



L34  
Langkawi Grey



L35  
Toronto Red



L36  
Northern Oakwood

## Floor

### Rubber



RC4  
Alexandria Blue



RC5  
Detroit Grey



RC6  
Dallas Black

### Composite stone



SF2  
Diorite Black



SF5  
Bianco Perla

### Wood laminate



RW1  
America Ciliegio

### Vinyl



VF5  
Philadelphia  
Zinc



VF6  
Philadelphia  
Copper



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 UniDrive™, KONE MonoSpace®, KONE MaxiSpace™, and KONE InnoTrack™. 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.

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