

# Economical and efficient – KONE E MiniSpace™

The KONE E MiniSpace™ is an economical solution for providing reliable, efficient, and comfortable transport between floors in residential buildings. Part of the KONE MiniSpace family, the KONE E MiniSpace elevator incorporates the core innovations that have made KONE the industry leader in eco-efficient elevator solutions. Clear specifications and a standardized offering make it easy to choose and install the solution that best fits the needs of your building.



## **Pre-designed specifications to match your needs**

The KONE E MiniSpace solution is offered with pre-designed options for car size and load. The available options are designed specifically to meet the typical needs of residential environments.

## **Save energy with KONE eco-efficient technologies**

The KONE E MiniSpace elevator is powered by the energy-efficient KONE EcoDisc® hoisting machine. It is also equipped with standby solutions that switch off the lighting and fan when the elevator is not in use.

## **A smooth and quiet ride**

The V3F variable-frequency drive ensures a smooth, comfortable ride with an improved acceleration/deceleration profile, better floor-to-floor travel times, and precision leveling.

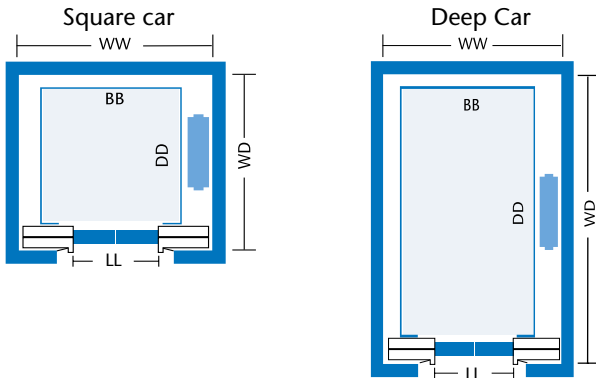
## **Easy installation and maintenance**

The KONE E MiniSpace has a compact machine room that is simply an extension of the elevator shaft, making installation easier and more efficient. Once the elevator is installed, KONE Care™ maintenance solutions help to keep your equipment running smoothly around the clock. KONE has a broad maintenance service supported by a global spare parts network.

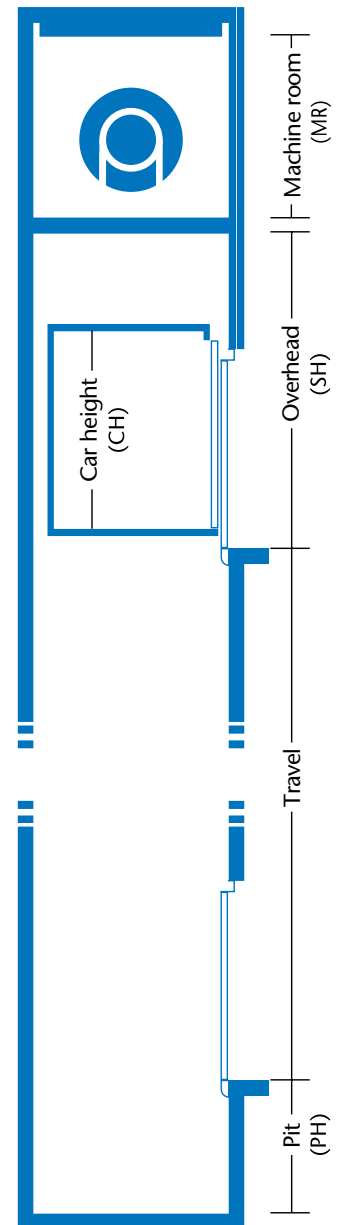
## **Certified for safety**

All KONE manufacturing units are ISO 14001 certified and meet all elevator industry standards and requirements, including (EN81-1:1998/GB7588).

# KONE E MiniSpace™ planning data



KONE E MiniSpace planning data with CO doors						
Load kg	Car size BB x DD, LL	Speed m/s	Travel m	Car type	Shaft size WW x WD	
					NOM	MAX
630	1100 x 1400, 800	1.0 - 2.0	≤ 100	SEC	1750 x 1890	2045 x 2400
630	1100 x 1400, 800	1.0 - 2.0	> 100	SEC	1750 x 1890	2045 x 2400
630	1100 x 1400, 800	2.5	ALL TL	SEC	1750 x 1900	2045 x 2400
630	1100 x 1400, 800	1.0 - 2.0	≤ 100	TTC	1750 x 1890	2045 x 1890
630	1100 x 1400, 800	1.0 - 2.0	> 100	TTC	1750 x 1890	2045 x 1890
630	1100 x 1400, 800	2.5	ALL TL	TTC	1750 x 1890	2045 x 1890
800	1350 x 1400, 800	1.0 - 2.0	≤ 100	SEC	1900 x 1890	2295 x 2470
800	1350 x 1400, 800	1.0 - 2.0	> 100	SEC	1890 x 1890	2295 x 2470
800	1350 x 1400, 800	2.5	ALL TL	SEC	1905 x 1900	2295 x 2470
800	1350 x 1400, 800	1.0 - 2.0	≤ 100	TTC	1900 x 1890	2295 x 1890
800	1350 x 1400, 800	1.0 - 2.0	> 100	TTC	1890 x 1890	2295 x 1890
800	1350 x 1400, 800	2.5	ALL TL	TTC	1905 x 1890	2295 x 1890
800	1250 x 1500, 800	1.0 - 2.0	≤ 100	SEC	1800 x 1940	2195 x 2500
800	1250 x 1500, 800	1.0 - 2.0	> 100	SEC	1790 x 1940	2195 x 2500
800	1250 x 1500, 800	2.5	ALL TL	SEC	1805 x 1950	2195 x 2500
800	1100 x 1650, 800	1.0 - 2.0	≤ 100	SEC	1750 x 2030	2045 x 2640
800	1100 x 1650, 800	1.0 - 2.0	> 100	SEC	1750 x 2030	2045 x 2640
800	1100 x 1650, 800	2.5	ALL TL	SEC	1750 x 2040	2045 x 2640
1000	1600 x 1400, 900	1.0 - 2.0	≤ 100	SEC	2150 x 1890	2545 x 2470
1000	1600 x 1400, 900	1.0 - 2.0	> 100	SEC	2140 x 1890	2545 x 2470
1000	1600 x 1400, 900	2.5	ALL TL	SEC	2155 x 1900	2545 x 2470
1000	1400 x 1600, 900	1.0 - 2.0	≤ 100	SEC	1950 x 1990	2345 x 2670
1000	1400 x 1600, 900	1.0 - 2.0	> 100	SEC	1950 x 1990	2345 x 2670
1000	1400 x 1600, 900	2.5	ALL TL	SEC	1955 x 2000	2345 x 2670
1000	1400 x 1600, 900	1.0 - 2.0	≤ 100	TTC	1950 x 2090	2345 x 2090
1000	1400 x 1600, 900	1.0 - 2.0	> 100	TTC	1940 x 2090	2345 x 2090
1000	1400 x 1600, 900	2.5	ALL TL	TTC	1955 x 2090	2345 x 2090
1000	1100 x 2100, 900	1.0 - 2.5	ALL TL	SEC	1950 x 2420	2200 x 3090



Speed	1.0, 1.6, 1.75, 2.0, 2.5 m/s
Load	630, 800, 1000 kg
Max. stops	18 (1.0 m/s), 30 (1.6/1.75 m/s), 38 (2.0/2.5 m/s)
Max. travel	55 (1.0 m/s), 85 (1.6 m/s), 95 (1.75 m/s), 110 (2.0 m/s), 120 (2.5 m/s)
Car height (CH)	2200, 2300, 2400 mm*

Note:

\* For CH 2200 integrated ceilings LF10 and LF11 not available.

Speed (m/s)	Overhead height SH (mm)**	Pit height PH (mm)
1.0	3740	1330/1340 <sup>1)</sup>
1.6	3900	1475
1.75	3950	1510/1520 <sup>1)</sup>
2.0	4050	1580
2.5	4350	1945

Note:

<sup>1)</sup> When CE certified safety components

\*\* Dimensions with CH 2400. When suspended ceiling (LF12, LF66E, CL70, CL88, CL103) is used, add 100 mm to the SH value

\*\*\* With balustrade height 1100 mm, add 400 mm to SH value

# Features

<b>MOP T</b> Motor protection, thermistors with automatic reset	<b>B</b>	<b>FID BO</b> Fire detection, whole building, doors open	<b>O</b>
<b>PDD N</b> Phase failure detection	<b>B</b>	<b>FID SO</b> Fire detection, manual switch, doors open	<b>O</b>
<b>RDF RC</b> Recall drive	<b>B</b>	<b>FRD</b> Fireman's drive	<b>O</b>
<b>EEC S</b> Emergency exit contact in shaft	<b>O</b>	<b>FID AO</b> Fire detection, whole building, alternative return floor, doors open	<b>O</b>
<b>DTS</b> Drive time supervision	<b>B</b>	<b>LPS VN</b> Lift position synchronizing	<b>B</b>
<b>CDL O</b> Car door limit switches, separate open limit	<b>B</b>	<b>CEL S</b> Car emergency lighting, separate light	<b>B</b>
<b>EMR</b> Emergency stop switch on car roof	<b>B</b>	<b>EBS S</b> Emergency battery supply with supervision	<b>B</b>
<b>EMH O</b> Emergency stop switch in well, one switch	<b>B</b>	<b>EBD A</b> Emergency battery drive, automatic	<b>O</b>
<b>EMH T</b> Emergency stop switch in shaft pit, two switches	<b>O</b>	<b>EPD MCF</b> Emergency power drive, to main floor, doors closed, full service	<b>O</b>
<b>SGE</b> Safety gear contact	<b>B</b>	<b>ABE C</b> Alarm bell under/top of car	<b>B</b>
<b>OSG CM</b> Car overspeed governor in machine room	<b>B</b>	<b>ISE M</b> Emergency intercom	<b>B</b>
<b>DOP</b> Door opening prevention switch in controller	<b>B</b>	<b>ISE F</b> Five-way intercom system	<b>B</b>
<b>TWS C</b> Tension weight switch of overspeed governor, car	<b>B</b>	<b>ISE N</b> Multi-intercom system	<b>O</b>
<b>EEC C</b> Emergency exit contact in car	<b>B</b>		
<b>OSS LC</b> Out of service switch at landing, doors closed, lights off	<b>B</b>		

<b>ABE M</b> Alarm at main floor	<b>O</b>	<b>DOB OI</b> Door open button, normally open contact	<b>B</b>
<b>QCC</b> Quick close from new car call	<b>O</b>	<b>DCB I</b> Door close button	<b>B</b>
<b>LCL</b> Landing call registered light	<b>B</b>	<b>NUD L</b> Nudging service, by measuring load	<b>O</b>
<b>CCL</b> Car call registered light	<b>B</b>	<b>SRC RNC</b> Safety ray in car, reopen	<b>B</b>
<b>OLF C</b> Overload function, constant light	<b>B</b>	<b>BOF</b> Buttons to operate car doors for service purposes	<b>B</b>
<b>DIA C</b> Direction arrows in car	<b>B</b>	<b>ACL C</b> Accurate re-leveling, automatic, closed doors	<b>B</b>
<b>CPI PS</b> Car position indicator in controller, seven segment	<b>B</b>	<b>FCC C</b> False car call cancel, by counting stops	<b>O</b>
<b>DZI N</b> Door zone indication, no buzzer	<b>B</b>	<b>SPB BP</b> Stuck button supervision, both calls, no service	<b>B</b>
<b>SCN N</b> Start counter, number of starts, not loosing data in power failure	<b>B</b>	<b>CCB</b> Car calls backwards	<b>B</b>
<b>DAL GP</b> Disturbance alarm, general, potential free	<b>O</b>	<b>LCC</b> Landing call cross coupling, time dependent	<b>O</b>
<b>LIL AM</b> Lift link, alarm, mode signals	<b>O</b>	<b>OCL AF</b> Operation of car light, automatic	<b>O</b>
<b>LIL AMB</b> Lift link, alarm, position binary	<b>O</b>	<b>OCV AF</b> Operation of car ventilation, automatic	<b>B</b>
<b>TSD ES</b> Traffic supervision display, with LEDs, in supervision room	<b>O</b>	<b>CLS O</b> Car light supervision, parking doors open	<b>O</b>
<b>CTV I</b> camera in the car, interface only	<b>O</b>	<b>CCM A</b> Car calls from machine room, all	<b>B</b>
<b>FCC R</b> two touch car call cancel	<b>O</b>	<b>CDC</b> Car door contact	<b>B</b>
<b>ACL B</b> Accurate releveling, automatic both open and closed doors	<b>B</b>	<b>ATS C</b> Attendant service, using car call buttons as indicators	<b>O</b>
<b>KONE E-LINK™</b> Elevator monitoring and command system	<b>O</b>	<b>OSS COI</b> Out of service switch in car, doors open, lights on, indication	<b>O</b>
		<b>SED WSR</b> Service drive, without limitations, car roof buttons with extra run button	<b>B</b>

<b>LCD</b> Landing calls disconnect	<b>B</b>	<b>ACU F</b> lift announcer	<b>O</b>
<b>FEB S</b> Basement floor extension, separate buttons	<b>O</b>	<b>TSD ES</b> traffic supervision with LEDs.	<b>O</b>
<b>FET S</b> Top floor extension, separate buttons	<b>O</b>	<b>THD L</b> total harmonic distortion filtering for non MLB drive	<b>O</b>
<b>PAM C</b> Parking at main floor, doors closed	<b>B</b>	<b>EPS S</b> Emergency power sequencer, separate	<b>O</b>
<b>PAD C</b> Parking at pre-defined floor, doors closed	<b>O</b>	<b>BMV M</b> Braking method drive (KDL16L only)	<b>O</b>
		<b>ACL B</b> Accurate releveling, automatic, both open and closed doors	<b>O</b>
		<b>LSC P</b> Provision for loudspeaker in car	<b>O</b>
		<b>LOA MO</b> locking of automatic car doors, mechanical lock	<b>B</b>
		<b>LOC E,O</b> Locking of car calls	<b>O</b>
		<b>LOL E,O</b> Locking of landing calls	<b>O</b>
		<b>FRE</b> Fast recall	<b>O</b>

**B** – Built-in  
**O** – Option

**Remark:** Contact our KONE sales person for details.

# Visual options

## Cost-effective design

With a selection of design components and materials to choose from, the KONE E MiniSpace offers a cost-effective way to create a visually appealing elevator experience for the tenants in your building.

### Ceilings



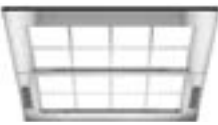
**LF10**  
Lighting: T5 fluorescent tubes  
Finishing: ST43 Silver brushed st st  
PP10 White painted RAL9010



**LF11**  
Lighting: LED spot  
Finishing: ST43 Silver brushed st st  
PP10 White painted RAL9010



**LF12**  
Lighting: T5 fluorescent tubes  
Finishing: ST43 Silver brushed st st



**CL70**  
Lighting: T5 fluorescent tubes  
Finishing: ST43 Silver brushed st st



**CL88**  
Lighting: LED spot  
Finishing: ST43 Silver brushed st st



**CL91**  
Lighting: T5 fluorescent tubes  
Finishing: ST43 Silver brushed st st  
PP10 White painted RAL9010



**CL103**  
Lighting: T5 fluorescent tubes  
Finishing: ST43 Silver brushed st st  
PP10 White painted RAL9010



### KONE E MiniSpace

Ceiling: LF10  
Wall material: PP10 White painted RAL9010  
Handrail: HR11  
Flooring: PVC D-21 Copper Beige

#### Note:

Mirror is available in partial height/ mid-width size, on C-wall only. Mirror can only be selected together with a handrail.

## Signalization

Car operating panel (COP)



KDS 50 Full height

Handicap car operating panel



Landing call station (LCI)



KDS 50 Simplex

KDS 50 Duplex

## Handrails



**HR11**  
Round stainless steel



**HR13R**  
Flat stainless steel



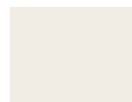
**HR31**  
Round aluminium tube with black plastic end caps

## Car wall and door materials

Painted steel



**PP1**  
Dolphin Gray



**PP10**  
Pure White



**PP18**  
Linen Brown



**PP20**  
Wool Gray

Stainless steel



**ST4/ST43**  
Brushed stainless steel

## Flooring

PVC



**D-6**  
Light Brown



**D-12**  
Dark Gray



**D-20**  
Light Granite



**D-21**  
Copper Beige



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](http://www.kone.com)**

Dedicated to People Flow™



THE ELEVATOR WITH A COMPACT MACHINE ROOM

# KONE E MiniSpace™