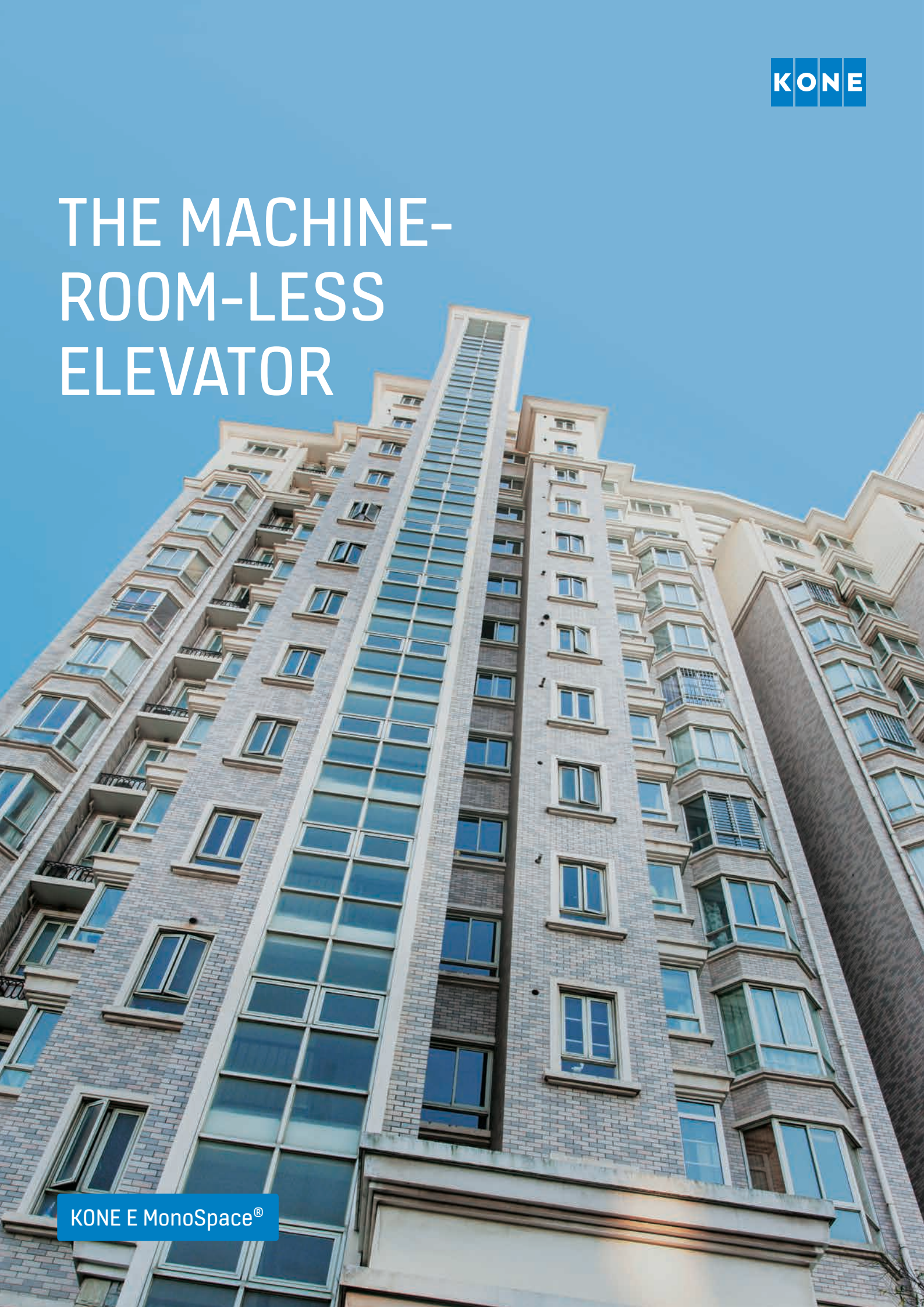
KONE

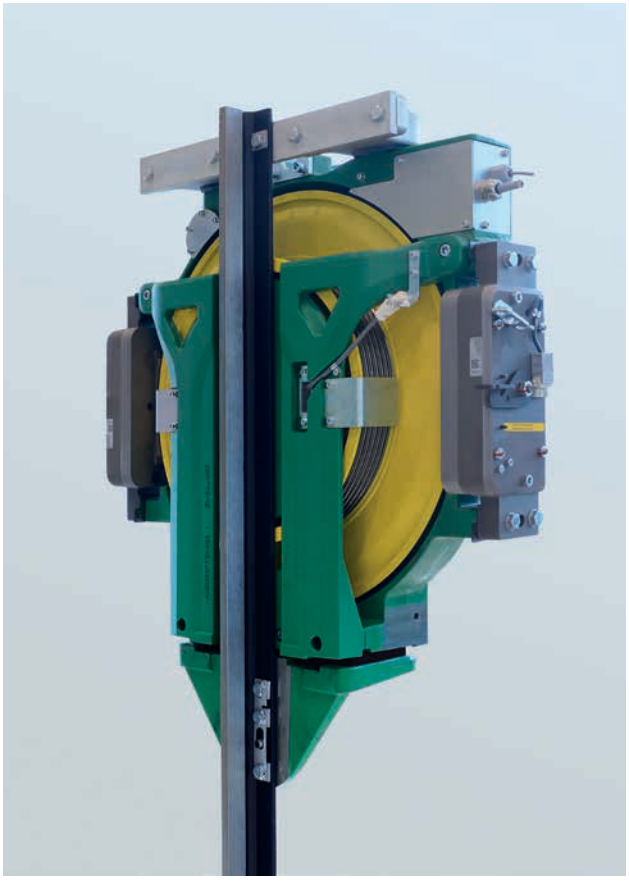
THE MACHINE-ROOM-LESS ELEVATOR



KONE E MonoSpace®

ECONOMICAL AND EFFICIENT – KONE E MONOSPACE®

The KONE E MonoSpace® is an economical solution for providing reliable, efficient and comfortable transport between floors in residential buildings, up to eleven floors. Part of the KONE MonoSpace family, the KONE E MonoSpace 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.



The eco-efficient KONE EcoDisc hoisting system

Pre-designed specifications to match your needs

The KONE E MonoSpace 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 MonoSpace 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 along with the rigid
car structure and its noise isolation, ensure a quiet, comfortable ride with smooth acceleration and deceleration.

Easy installation and maintenance

The KONE E MonoSpace has highly efficient scaffoldless installation methods that result in considerable cost savings for our customers and minimize disruptions to other construction work. 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 EN81-20.

VISUAL OPTIONS

Cost-effective design

With a selection of design components and materials to choose from, the KONE E MonoSpace® 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

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

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

CL71
Lighting: T5 fluorescent tubes
Finishing: PP10 White painted RAL9010
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

CL94
Lighting: T5 fluorescent tubes
Finishing: PP10 White painted RAL9010
ST43 Silver brushed st st

CL95
Lighting: T5 fluorescent tubes
Finishing: ST43 Silver brushed st st

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

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

KONE E MonoSpace

Ceiling: LF12, ST43
Wall material: ST43 Silver brushed stainless steel
Handrail: HR24R
Flooring: D-6, Light Brown PVC

SIGNALIZATION

Car operating panel (COP)

KDS 50
Full height

KSC 276
Full height

Handicap car operating panel

Keypad handicap car operating panel

Landing call station (LCI)

KDS 50
Simplex

KDS 50
Duplex

KSL 281
Simplex

KSL 281
Duplex

HANDRAILS

HR31
Round aluminium tube with black plastic end caps

HR34
Round curved aluminium tube with black plastic end caps

HR61
Round silver brushed

HR64
Bended silver brushed
EN81-70 compliant
AS1735.12 compliant
G compliant

HR24R
Curved ends silver brushed

CAR WALL AND DOOR MATERIALS

Painted steel

PP10
Pure White

PP18
Linen Brown

PP20
Wool Gray

PP22
Fresh Green

Metallic panted steel

METP1*
Champagne

METP2
Cosmo Red

Stainless steel

ST4/ST43
Silver brushed

FLOORING

PVC

D-6
Light Brown

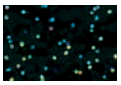
D24
Moon White

D25
Rocky Gray

D26
Lava Stone

D27
Saturn Brown

D29
Mars Red



D30
Galaxy

D31
Bamboo

Patterned PVC

DG01
Browny

DG02
Chessboard

DG03
Puzzle Soft

DG04
Puzzle Bright

DG05
Legno

DG06
Blusher

Real stone

M3R
Black Golden Sand

Artificial stone

M5R
Pebble Gray

Rubber

RC7
Black Coin Pattern

FEATURES

BUILT-IN

MOP T	Motor protection, thermistors with automatic reset
PDD N	Phase failure detection
RDF RC	Recall drive
DTS	Drive time supervision
CDL O	Car door limit switches, separate open limit
EMR	Emergency stop switch on car roof
EMH O	Emergency stop switch in well, one switch
SGE	Safety gear contact
DOP	Door opening prevention switch in controller
TWS C	Tension weight switch of overspeed governor, car
EEC C	Emergency exit contact in car
OSS LC	Out of service switch at landing, doors closed, lights off
LCL	Landing call registered light
CCL	Car call registered light
OLF C	Overload function, constant light
DIA C	Direction arrows in car
CPI PS	Car position indicator in controller, seven segment
DZI N	Door zone indication, no buzzer
SCN N	Start counter, number of starts, not loosing data in power failure
ACL B	Accurate releveling, automatic both open and closed doors
LCD	Landing calls disconnect
PAM C	Parking at main floor, doors closed
LPS VN	Lift position synchronizing
CEL S	Car emergency lighting, separate light
EBS S	Emergency battery supply with supervision
ABE C	Alarm bell under/top of car
ISE M	Emergency intercom
ISE F EAP	Built in for CHN
DOB OI	Door open button, normally open contact
DCB I	Door close button
NUD L	Nudging service, by measuring load
SRC RNC	Safety ray in car, reope
BOF	Buttons to operate car doors for service purposes
ACL C	Accurate re-leveling, automatic, closed doors
SPB BP	Stuck button supervision, both calls, no service
CCB	Car calls backwards
CLS O	Car light supervision, parking doors open
CCM A	Car calls from machine room, all
CDC	Car door contact
SED WSR	Service drive, without limitations, car roof buttons with extra run button
LOA MO	Locking of automatic car doors, mechanical lock

OPTION

EEC S	Emergency exit contact in shaft
ABE M	Alarm at main floor
QCC	Quick close from new car call
DAL GP	Disturbance alarm, general, potential free free
LIL AM	Lift link, alarm, mode signals
LIL AMB	Lift link, alarm, position binary
TSD ES	Traffic supervision display, with LEDs, in supervision room
CTV I	Camera in the car, interface only
FCC R	Two touch car call cancel
KONE E-LINK™	Elevator monitoring and command system
KRM G	KONE Remote Monitoring, GSM digital mobile network
DIT LNP	LAN cable inside travelling cable
DIT OFS	Optical fiber inside travelling cable
FEB S	Basement floor extension, separate buttons
FET S	Top floor extension, separate buttons
PAD C	Parking at pre-defined floor, doors closed
EMH T	Emergency stop switch in shaft pit, two switches
ILA	Immediate call allocation
EAQ	Earthquake operation with seismic switch
EAQ	Earthquake operation without seismic switch
FPD AO	Fire protection door
LSH T	Low smoke installation in shaft, traveling cable
WSC O	Water sensor contact, in pit
SBM F	Stand by mode
FID BO	Fire detection, whole building, doors open
FID SO	Fire detection, manual switch, doors open
FRD	Fireman's drive
FID AO	Fire detection, whole building, alternative return floor, doors open
EBD A	Emergency battery drive, automatic
EPD MCF	Emergency power drive, to main floor, doors closed, full service
ISE N	Multi-intercom system
FCC C	False car call cancel, by counting stops
LCC	Landing call cross coupling, time dependent
OCL AF	Operation of car light, automatic
ATS C	Attendant service, using car call buttons as indicators
OSS COI	Out of service switch in car, doors open, lights on, indication
ACU F	Lift announcer
THD L	Total harmonic distortion filtering for non MLB drive
EPS S	Emergency power sequencer, separate
BMV MU	Braking method, modulated line braking, resistor braking under special use
LSC P	Provision for loudspeaker in car
LOC E	Locking of car calls
LOL E	Locking of landing calls
FRE	Fast recall
LSH A	Low smoke installation in shaft, shaft and car wirings completely
OCV AF	Operation of car ventilation, automatic
FPO A	Full collective peel off, automatic
CIC	Corridor illumination control
LOC E	Locking of car calls
CRB C	Car call registered buzzer
CNV N	Convention feature, normal
PRL LA/LO	Priority at landing

Remark: Contact our KONE sales person for details.

KONE E MONOSPACE®
PLANNING DATA

KONE E MONOSPACE BASIC DIMENSIONS									
Persons/ rated load (kg)	Car size BBxDD (mm)	Door type	Car type	LL (mm)	LR (mm)	WW (mm)		WD (mm)	
						NOM	MAX	NOM	MAX
4/320	900 × 1000	SO	SEC	700	900	1450	1750	1550	1950
5/400	950 × 1100	CO	SEC	800	1000	1750	1800	1480	1950
	950 × 1100	SO	SEC	700	900	1500	1800	1550	2050
	950 × 1100	SO	SEC	800	1000	1500	1800	1550	2050
6/450	1100 × 1150	CO	SEC	800	1000	1800	1950	1650	2000
	1100 × 1150	SO	SEC	800	1000	1650	1950	1700	2050
	1100 × 1200	CO	SEC	800	1000	1750	1850	1570	2130
	1100 × 1200	SO	SEC	800	1000	1550	1850	1700	2200
	1100 × 1200	SO	TTC	800	1000	1550	1850	1760	1760
6/480	950 x 1300	SO	SEC	700	900	1500	1800	1750	2300
	950 x 1300	SO	SEC	800	1000	1500	1800	1750	2300
	950 x 1300	SO	TTC	700	900	1500	1800	1860	1860
	950 x 1300	SO	TTC	800	1000	1500	1800	1860	1860
	1000 × 1250	CO	SEC	800	1000	1750	1850	1600	2180
	1000 × 1250	SO	SEC	800	1000	1550	1850	1700	2250
	1000 × 1250	SO	TTC	800	1000	1550	1850	1810	1810
	1000 × 1300	SO	SEC	700	900	1550	1850	1700	2230
	1000 × 1300	SO	SEC	800	1000	1550	1850	1700	2230
	1000 × 1300	SO	TTC	700	900	1550	1850	1860	1860
	1000 × 1300	SO	TTC	800	1000	1550	1850	1860	1860
	1200 × 1100	CO	SEC	800	1000	1800	2050	1600	2000
	1200 × 1100	SO	SEC	800	1000	1750	2050	1700	2030
8/630	1100 × 1400	CO	SEC	800	1000	1800	1950	1700	2330
	1100 × 1400	CO	TTC	800	1000	1800	1950	1810	1810
	1100 × 1400	CO	SEC	900	1100	2000	2170	1730	2350
	1100 × 1400	CO	TTC	900	1100	2000	2170	1810	1810
	1100 × 1400	SO	SEC	800	1000	1690	2030	1780	2420
	1100 × 1400	SO	SEC	900	1100	1690	2030	1780	2420
10/800	1350 × 1400	CO	SEC	800	1000	1900	2220	1800	2330
	1350 × 1400	CO	TTC	800	1000	2060	2220	1810	1810
	1350 × 1400	SO	SEC	800	1000	1910	2280	1890	2420
	1350 × 1400	SO	SEC	900	1100	1910	2280	1890	2420
	1100 x 1650	CO	SEC	800	1000	1800	1970	2000	2580
	1100 x 1650	CO	SEC	900	1100	1950	1970	2000	2580
	1100 x 1650	CO	TTC	800	1000	1800	1970	2060	2060
	1100 x 1650	CO	TTC	900	1100	1950	1970	2060	2060
	1100 x 1650	SO	SEC	800	1000	1660	2030	2050	2670
	1100 x 1650	SO	SEC	900	1100	1660	2030	2050	2670
	1250 x 1500	CO	SEC	800	1000	1850	2120	1930	2430
	1250 x 1500	CO	SEC	900	1100	1950	2120	1930	2430
	1250 x 1500	CO	TTC	800	1000	1870	2120	1910	1910
	1250 x 1500	CO	TTC	900	1100	1970	2120	1910	1910
	1250 x 1500	SO	SEC	800	1000	1800	2120	2000	2400
	1250 x 1500	SO	SEC	900	1100	1800	2120	2000	2400
	1250 x 1500	SO	TTC	800	1000	1820	2120	2060	2060
	1250 x 1500	SO	TTC	900	1100	1820	2120	2060	2060
12/900	1400 x 1500	CO	TTC	900	1100	2225	2275	1960	1960
	1400 x 1500	CO	SEC	1000	1200	2200	2260	1980	2450
	1400 x 1500	SO	SEC	1000	1200	1950	2320	1990	2520
	1400 x 1500	CO	SEC	900	1100	2000	2270	1980	2360
	1400 x 1500	SO	SEC	900	1100	1950	2320	1990	2520

KONE E MONOSPACE BASIC DIMENSIONS

Persons/ rated load (kg)	Car size BBxDD (mm)	Door type	Car type	LL (mm)	LR (mm)	WW (mm)		WD (mm)	
						NOM	MAX	NOM	MAX
13/1000	1100 x 2100	CO	SEC	900	1100	2000	2170	2400	3030
	1100 x 2100	CO	TTC	900	1100	2000	2170	2510	2510
	1100 x 2100	SO	SEC	800	1000	1660	1970	2480	3120
	1100 x 2100	SO	SEC	900	1100	1700	2070	2480	3120
	1100 x 2100	SO	SEC	1000	1200	1800	2070	2480	3120
	1300 x 1800	CO	SEC	900	1100	1950	2200	2080	2750
	1300 x 1800	CO	SEC	1000	1200	2150	2285	2080	2750
	1300 x 1800	SO	SEC	900	1100	1900	2200	2160	2800
	1300 x 1800	SO	SEC	1000	1200	1900	2200	2160	2800
	1400 x 1600	CO	SEC	900	1100	2000	2270	1950	2520
	1400 x 1600	CO	TTC	900	1100	2000	2270	2010	2010
	1400 x 1600	CO	SEC	1000	1200	2150	2260	1950	2520
	1400 x 1600	CO	TTC	1000	1200	2150	2260	2010	2010
	1400 x 1600	SO	SEC	900	1100	1950	2270	2030	2620
	1400 x 1600	SO	SEC	800	1000	1950	2270	2030	2620
	1500 x 1600	CO	SEC	900	1100	2050	2370	1990	2520
	1500 x 1600	CO	SEC	1000	1200	2150	2370	1990	2520
	1500 x 1600	SO	SEC	900	1100	2050	2370	2060	2620
	1500 x 1600	SO	SEC	1000	1200	2050	2370	2060	2620
	1600 x 1400	CO	SEC	900	1100	2150	2470	1850	2370
	1600 x 1400	CO	SEC	1000	1200	2150	2470	1850	2370
	1600 x 1400	SO	SEC	900	1100	2150	2520	1930	2420
	1600 x 1400	SO	SEC	1000	1200	2150	2520	1930	2420
	1600 x 1500	CO	SEC	900	1100	2150	2470	1940	2470
	1600 x 1500	CO	SEC	1000	1200	2150	2470	1940	2470
	1600 x 1500	SO	SEC	900	1100	2150	2520	2030	2520
	1600 x 1500	SO	SEC	1000	1200	2150	2520	2030	2520

OVERHEAD AND PIT DIMENSIONS

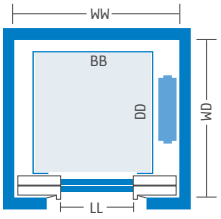
Speed (m/s)	Car height, CH (mm)	Minimum headroom height, SH[1)] (mm)	Maximum headroom height, SH (mm)	Minimum pit height, PH (mm)	Maximum pit height, PH (mm)
1.0	2100 – 2400	CH + 1380	5000	1150	1650
1.6	2100 – 2400	CH + 1570	5000	1300	2500
1.75	2100 – 2400	CH + 1620	5000	1350	2500

Note:

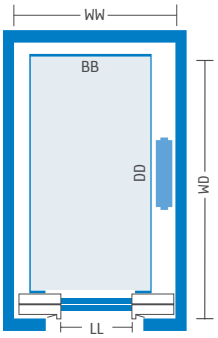
1) · SH in the table above, is based on 700 mm balustrade height and on 70 mm ceiling height.
· In cases where 1100 mm balustrade is used, please add 400 mm to the SH height.
· When the ceiling height exceeds 70 mm, SH value is to be added accordingly.

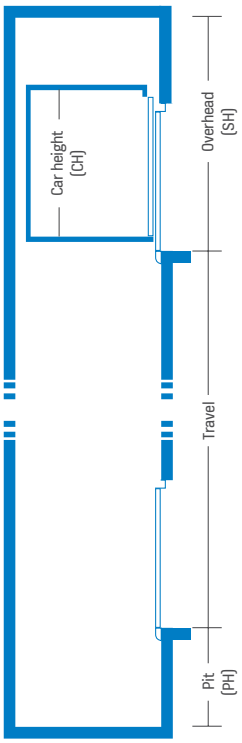
Speed	1.0 m/s, 1.6 m/s, 1.75 m/s
Load	320, 400, 450, 480, 630, 800, 900, 1000 kg
Max. stops	16 (1.0 m/s), 18 (1.6 m/s), 28 (1.75 m/s)
Max. travel	45 (1.0 m/s), 55 (1.6 m/s), 75 (1.75 m/s)
Car height (CH)	2100, 2200, 2300, 2400 mm

Square car



Deep Car





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 NanoSpace™ and KONE UltraRope®.

KONE employs close to 50,000 dedicated experts to serve you globally and locally.

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