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 standardised 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 minimise 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).

KONE E MonoSpace™ planning data

KONE E MonoSpace planning data with centre opening doors											
Persons/ load (kg)	Car size BBxDD (mm)	Car type	LL (mm)	LR (mm)	Car area m²	FW1 (mm)		FW2 (mm)		Shaft size WW x WD (mm)	
						NOM	MAX	NOM	MAX	NOM	MAX
8/630[3]	1100 x 1400	SEC	900	1100	1.57	450	520	450	550	2000 x 1730	2170 x 2350
12/900	1400 x 1500	SEC	900	1100	2.13	450	520	450	650	2000 x 1980	2270 x 2360
13/1000	1400 x 1600	SEC	900	1100	2.27	450	520	450	650	2000 x 1980	2270x 2550

| Overhead and pit dimensions						
Persons/ load (kg)	Door height (mm)	Floor door Cut-out height (mm)	Pit depth PH (mm)		Overhead SH (mm) CH = 2200, 2300	
			NOM	MAX	NOM	MAX
					Suspension ceiling CH 2200/2300/2400	
8/630[3]	2100	2180	1140[1]	1650	CH+1450[2]	5000
12/900	2100	2180	1140[1]	1650	CH+1450[2]	5000
13/1000	2100	2180	1140[1]	1650	CH+1450[2]	5000

Note:
[1] PH is 1160mm when local flooring is selected.
[2] For all overhead SH with 700 mm ballustrade add 400 mm to SH height when 1100 mm balustrade is used.
[3] 8 passenger/630kg arrangement is not compliant to disability access standard NZS 4121

Speed	1.0 m/s
Load	630, 900, 1000 kg
Max. stops	11 (1.0 m/s)
Max. travel	30 (1.0 m/s)
Car height (CH)	2200, 2300, 2400mm
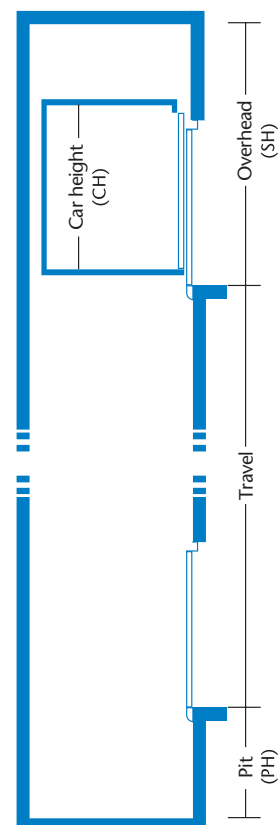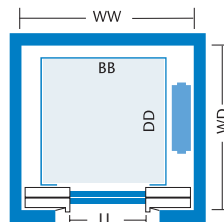
Features

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

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

LCD Landing calls disconnect	B	**ACU F** Lift announcer	O
FEB S Basement floor extension, separate buttons	O	**EPS S** Emergency power sequencer, separate	O
FET S Top floor extension, separate buttons	O	**BMV M** Braking methold drive (KDL16L only)	O
PAM C Parking at main floor, doors closed	B	**LSC P** Provision for loudspeaker in car	O
PAD C Parking at pre-defined floor, doors closed	O	**LOA MO** locking of automatic car doors, mechanical lock	B
EMH T Emergency stop switch in shaft pit, two switches	O	**LOC E,O** Locking of car calls	O
ILA Immediate call allocation	O	**LOL E,O** Locking of landing calls	O
EAQ Earthquake operation with seismic switch	O	**FRE** Fast recall	O
EAQ Earthquake operation without seismic switch	O		
WSC O water sensor contact, in pit	O		
SBM F Stand by mode	O		

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 MonoSpace offers a cost-effective way to create a visually appealing elevator experience for the tenants in your building.

Ceilings

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 MonoSpace

Ceiling: CL103
Wall Material: PP10 Pure White painted
Handrail: HR31
Flooring: D-20 Light Granite PVC

Signalisation

Car operating panel (COP)
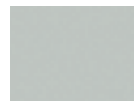
Landing call station (LCI)

KDS 50
Simplex

KDS 50
Duplex

KDS 50
Full height

Handrails

HR31 AB
Round aluminium tube with black plastic end caps
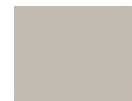
Car wall and door materials

Painted steel | | | | Stainless steel

PP1
Dolphin Gray
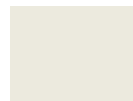
PP10
Pure White

PP18
Linen Brown

PP20
Wool Gray

ST4/ST43 Silver 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 and automatic building doors. 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™, and KONE InnoTrack™. You can experience these innovations in architectural landmarks such as the Trump Tower in Chicago, the Northbridge Tower in Brisbane, the 30 St Mary Axe building in London, the Southern Cross Towers in Melbourne, the Schiphol Airport in Amsterdam, the Beijing, National Grand Theatre in China, 85 Castlereagh Street in Sydney, 140 William Street in Perth the City Central Tower 8 in Adelaide and the Skytower in Auckland New Zealand.

KONE employs on average 40,000 dedicated experts to serve you globally and locally in over 50 countries.

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