

The background of the entire page is a photograph of a modern office interior. The room features a high ceiling with a dark, grid-patterned acoustic ceiling and several large, industrial-style pendant lights. The walls are composed of large glass panels that offer a panoramic view of a harbor or marina with many boats. The floor is dark and polished, reflecting the light from the windows and ceiling.

THE MACHINE-ROOM-LESS ELEVATOR

YOUR TRUSTED ELEVATOR PARTNER



With over 100 years of experience in the elevator business and a strong track record in safety, KONE is your trusted partner dedicated to ensuring smooth People Flow® in your building. We revolutionised the industry in 1996 with the world's first machine room-less elevator – the KONE N MonoSpace® – and the energy-efficient KONE EcoDisc® hoisting machine. Our proven track record, including over 800,000 KONE EcoDisc installations worldwide, speaks for itself.

We have listened to our customers and carefully analysed each and every part of our industry-leading elevator solution, and renewed it from top to bottom. Everything we did best, we've made even better.

A STRONG TRACK RECORD

- 9 out of 10 KONE customers recommend us as a partner
- More than 100 years of experience in the elevator industry
- Over 800,000 KONE EcoDisc elevator installations worldwide
- Over 1.2 million elevators and escalators in service
- Over 55,000 dedicated experts worldwide

3 REASONS TO CHOOSE KONE N MONOSPACE

1 Excellent eco-efficiency that cuts the carbon footprint of your building

Up to 28 % more energy-efficient than before thanks to the upgraded KONE EcoDisc, centralised hoisting, and more advanced standby solutions

2 Smooth ride comfort for the best possible passenger experience

Quality guaranteed through ride-comfort testing of all elevators before handover – a service unique to KONE

Quiet and smooth operation, and accurate leveling enabled by:

- The renewed KONE EcoDisc hoisting machine, brakes, and centralised hoisting
- An improved car structure and sound-isolated guide shoes

3 Award-winning design that helps your building stand out

Easy selection of car interiors from a collection of functional and visually appealing designs created by KONE's award-winning design professionals

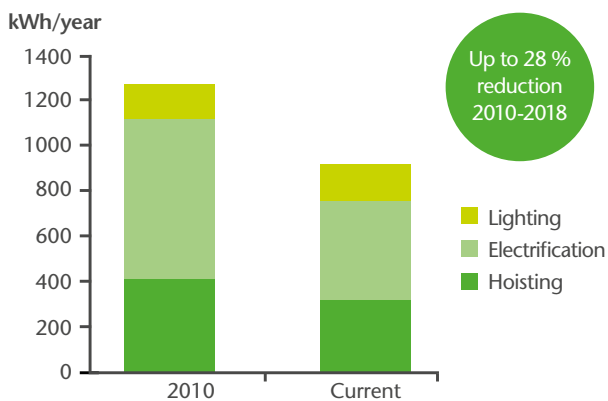
The industry's most flexible and versatile offering, with over 100 materials and accessories, offering millions of possible combinations

The most innovative materials and lighting solutions

SMOOTH AND EFFICIENT RIDE COMFORT

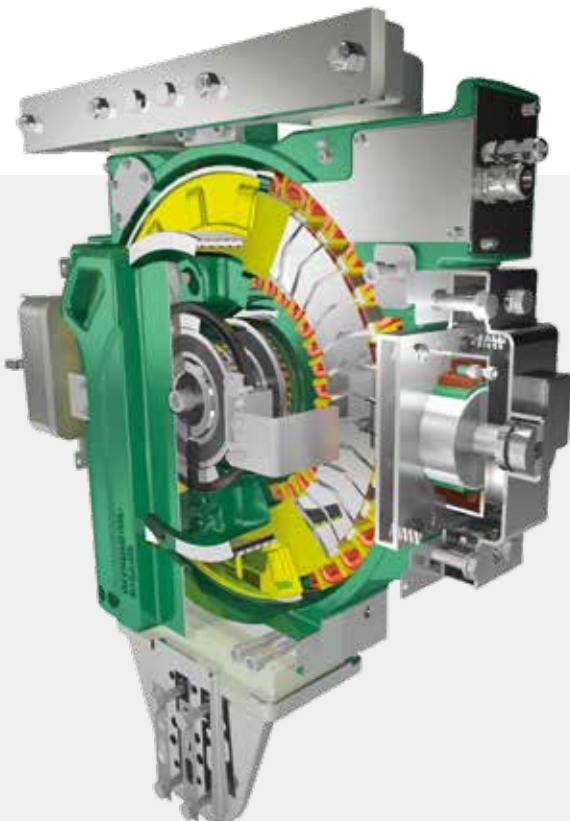
Every aspect of the upgraded KONE MonoSpace® is designed to add real value to your building and maximise comfort, safety, and convenience for passengers.

KONE elevator's energy consumption



The basis for the calculation is an elevator speed of 1 m/s, a load of 1000 kg, 150,000 starts/year, a travel height of 12 m and 5 floors

Installing an eco-efficient KONE elevator solution can also help in achieving green **building accreditations** such as **LEED** or **BREEAM** certification.



1 More efficient hoisting machinery

The completely renewed KONE EcoDisc® hoisting motor and highly efficient drive system delivers even better energy efficiency, helping to reduce both operating costs and your building's carbon footprint.

2 Eco-efficient regenerative drive

Our latest regenerative drive recycles energy for immediate reuse within the building and cuts consumption by up to 20%*.

3 Long-lasting LED lighting

As well as being up to 80%* more efficient than halogen lighting, LED lighting also lasts up to 10 times longer*.

4 More advanced standby solutions

Upgraded standby solutions power down the equipment when it is not in use, providing substantial energy savings.

* The calculation is based on an elevator speed of 1 m/s, a load of 1000 kg, 150,000 starts/year, a travel height of 12 m and 5 floors.

Renewed machinery and brakes

- The new, highly reliable motor control system further improves ride comfort, with smooth acceleration and deceleration, and highly accurate car leveling.

Redesigned hoisting system for minimised vibration and noise

- Centralised, low-friction hoisting cuts noise and vibration, improving comfort for passengers and minimising disturbance to the surrounding areas.

Improved car structure with even better noise isolation

- The rigid structure and superb noise isolation of the renewed elevator car ensure a smooth, quiet ride.

AWARD- WINNING DESIGN

THAT HELPS YOUR BUILDING
STAND OUT

WHAT SETS KONE DESIGN APART

- 1 Easy selection of car interiors**
A collection of 52 functional and visually appealing designs created by KONE's award-winning design professionals.
- 2 The most flexible and versatile offering**
100 different materials and accessories that can be combined freely and used in all elevator products, for both new buildings and modernisation projects.
- 3 The most innovative materials**
The combination of unique textured, patterned, and 3D-effect wall materials with novel lighting solutions creates a stunning visual effect.
- 4 Award-winning design**
KONE's elevator and signalisation design concepts have received both Red Dot and Good Design awards.





KONE DESIGN COLLECTION

Regardless of the type of building you are developing, the elevator you choose should complement your building's look and feel, create a lasting impression on passengers, and make your building attractive to potential tenants. Your elevator also needs to be functional – it should be accessible for all, well lit, user-friendly, easy to clean, and resistant to wear and tear.

The new KONE Design Collection – created by our award-winning design team – offers you a versatile set of contemporary, themed interiors to choose from.

You can also create your own unique look and feel by mixing and matching our wide range of materials and accessories.

For more design inspiration take a look at the complete KONE Design Collection and use the KONE Car Designer tool together with a KONE sales representative.



reddot design award
winner 2016

4 Good Design awards
4 Red Dot design awards



U.S. based business magazine Forbes has ranked KONE the 56th most innovative company in the world. KONE is the only elevator and escalator company featured on Forbes' list this year.



WORLD-CLASS DESIGN TOOLS

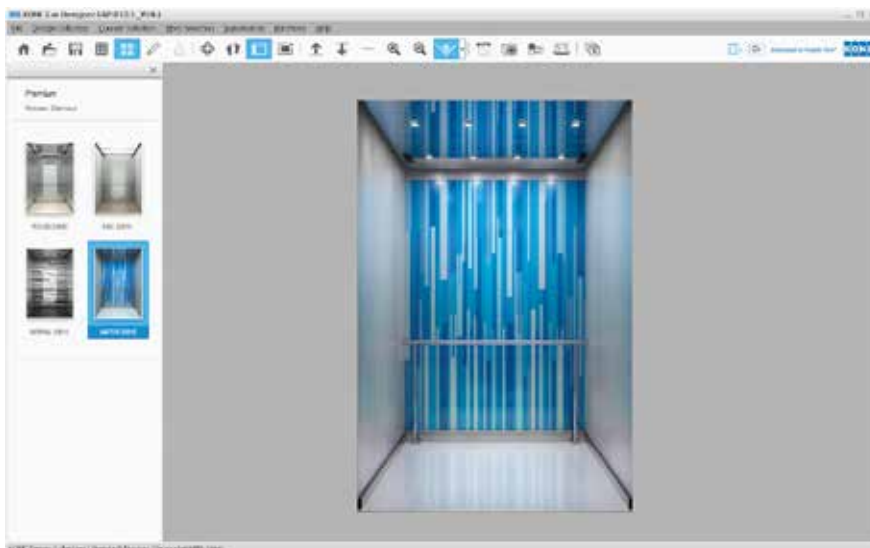
Take advantage of our easy-to-use tools for planning your elevators and designing a car that will fit your building's look and feel perfectly.

KONE BIM models - streamline your design process.

KONE BIM models provide you with relevant information, measurements, and details relating to our equipment. They ensure efficient communication and collaboration during the planning and design phases of your project.

KONE Elevator toolbox

With the **KONE Elevator Toolbox** you can create a detailed elevator specification online and create CAD drawings.

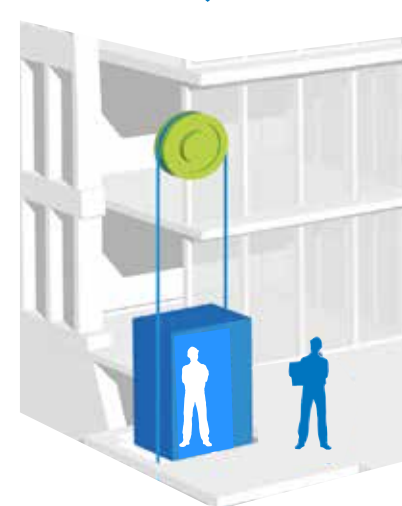


KONE Car Designer – now including new designs, materials, and accessories

- Create your own elevator car design together with a KONE sales representative with the **KONE Car Designer**.
- **Choose a theme** from the KONE Design Collection, or **mix and match** your choice of materials, lighting, and accessories **to create a totally new look**.
- Once your design is ready, the KONE sales representative will send it to you as a PDF so you can share it with colleagues.

SUPPORTING YOU EVERY STEP OF THE WAY

Choose a partner with over a century of experience in delivering pioneering elevator solutions. Get expert advice from professionals and enjoy the peace of mind that comes with comprehensive support. KONE is with you every step of the way – from planning and design through installation and maintenance to modernisation – for the entire life cycle of your building.



1 Expert design and planning services

- Expert planning advice helps you specify the optimal elevator solution for your building requirements.
- Easy-to-use online design tools save you time and effort during the design process by allowing you to create CAD drawings, 3D BIM models, and custom car interiors.
- Energy consumption calculations for every individual elevator solution.

2 Safe and efficient installation

- Highly efficient scaffoldless installation methods result in considerable cost savings for our customers and minimise disruptions to other construction work.
- Strict quality criteria for each phase of installation – ensuring “first time right every time”.
- Continuous training, site audits, safety passports, and proven methods ensure maximum site safety.
- Eco-efficient installation processes maximise waste recycling and minimise the use of solvents.

3 Quality assurance at handover and professional maintenance

- We are the only company to provide in-depth ride quality testing of each elevator before hand over.
- Our elevators are known for their reliability, and have an average availability rate of 99%.
- Our global spares centre stocks over 150,000 parts and offers 24-hour delivery for the most commonly requested parts.
- Preventive KONE Care™ maintenance solutions – including the new KONE Care 24/7 Connected Services that enables vast amounts of data from elevator sensors to be monitored, analysed and displayed in real-time, improving equipment performance, reliability and safety.

KONE N MONOSPACE® GUIDE

KONE N MONOSPACE BASIC DIMENSIONS										
SAMPLE OF RANGE										
Persons/rated load (kg)	Speed (m/s)	Car size BBxDD (mm)	Door type	Car type	LL (mm)	LR (mm)	NOM		MAX	
							EN81-20		VW (mm)	WD (mm)
							WW (mm)	WD' (mm)		
08 / 630	1.0 / 1.6 / 1.75	1100 × 1400	SO	SEC	900	1050	1675	1790	1920	2430
			CO		800	950	1775	1690	1920	2330
			CO		900	1050	1975	1690	2030	2330
			SO	TTC	900	1050	1675	2010	1920	2010
			CO		800	950	1775	1810	1920	1810
			CO		900	1050	1975	1810	2030	1810
13 / 1000	1.0 / 1.6 / 1.75	1400 × 1600	SO	SEC	900	1050	1940	1990	2220	2630
			CO		900	1050	1975	1890	2230	2530
			SO	TTC	900	1050	1940	2210	2220	2210
			CO		900	1050	1975	2010	2230	2010
16 / 1200	1.0	1400 × 1970	CO	SEC	900	1050	1975	2260	2230	2940
					1000	1150	2175	2260	2280	2940
					1100	1250	2375	2260	2380	2940
		SO		TTC	900	1050	1975	2350	2230	2350
		1000			1150	2175	2350	2280	2350	
		1100			1250	2375	2350	2380	2350	
		1.6 / 1.75	1400 × 1970 ¹	CO	SEC	900	1050	1940	2360	2220
	1000					1150	2175	2260	2280	2940
	SO			TTC		900	1050	1940	2550	2220
	1400 × 1940 ¹		CO		SEC	900	1050	2030	2260	2230
	1000			1150		2175	2260	2280	2940	
	1100			1250	2375	2260	2380	2940		
	SO			TTC	900	1050	2000	2360	2220	3000
	1400 × 1940 ¹	900	1050		2000	2550	2220	2550		
18 / 1350	1.0 / 1.6 / 1.75	1500 × 2000	CO	SEC	900	1050	2150	2300	2550	2900
					1000	1150	2200	2300	2550	2900
					1100	1250	2350	2300	2550	2900
21 / 1600	1.0 / 1.6 / 1.75	1600 × 2100	CO	SEC	1000	1150	2365	2410	2910	3000
					1100	1250	2445	2410	2910	3000
		1700 × 2000	CO	SEC	1000	1150	2465	2325	3010	2900
					1100	1250	2495	2325	3010	2900
		1500 × 2200	CO	SEC	1200	1350	2265	2610	2810	3200

- 1) When the car height CH > 2400 mm, add 40 mm to NOM WD for SEC cars and 80 mm for TTC cars accordingly.
- 2) For base duty landing door, the WD is increased by 25 mm for each CO door side and is reduced by 25 mm for each SO door side

OVERHEAD DIMENSIONS				
Rated speed (m/s)	Rated load (kg)	Car height, CH (mm)	Minimum headroom height, SH (mm)	Maximum headroom height, SH (mm)
1.0	< 1350	2100	3580	5000
1.6	< 1350	2100	3770	5000
1.75	< 1350	2100	3790	5000
1.0	< 1350	2200 – 2800	CH + 1380	5000
1.6	< 1350	2200 – 2800	CH + 1570	5000
1.75	< 1350	2200 – 2800	CH + 1590	5000
1.0	1350	2100 – 2800	CH + 1400	5000
1.6	1350	2100 – 2800	CH + 1600	5000
1.75	1350	2100 – 2800	CH + 1600	5000
1.0	1600	2100 – 2800	CH + 1450	5000
1.6	1600	2100 – 2800	CH + 1600	5000
1.75	1600	2100 – 2800	CH + 1600	5000

PIT DIMENSIONS			
Rated speed (m/s)	Rated load (kg)	Minimum pit height, PH (mm)	Maximum pit height, PH (mm)
1	< 1350	1150	1800
1.6	< 1350	1350	2500
1.75	< 1350	1350	2500
1	1350	1350	1800
1.6	1350	1450	2500
1.75	1350	1450	2500
1	1600	1380	1800
1.6	1600	1550	2500
1.75	1600	1600	2500

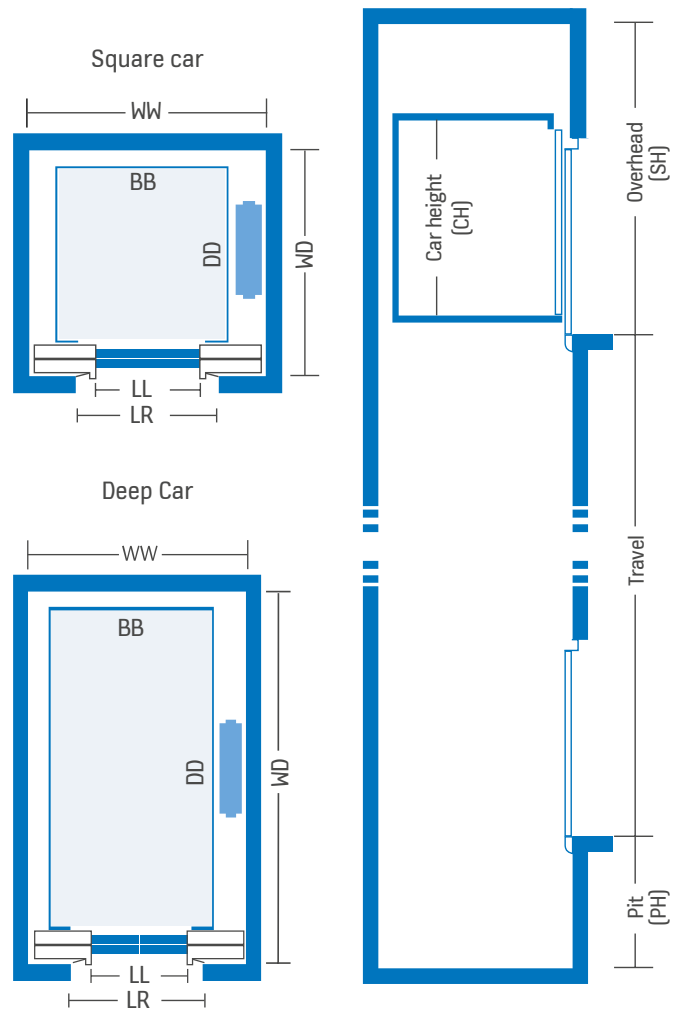
- 1) SH is based on 700 mm balustrade height and on 70 mm ceiling height.
- 2) In cases where 1100 mm balustrade is used, please add 400 mm to SH height

Speed	1.0 m/s, 1.6 m/s, 1.75 m/s, 2.0 m/s, 2.5 m/s
Load	320, 400, 450, 480, 1200, 1350, 1600 kg (Rated speed ≤ 1.75m/s) 630, 800, 900, 1000 kg (Rated speed ≤ 2.5m/s) 1150 kg (Rated speed ≤ 2.0m/s)
Max. stops	18 (1.0 m/s), 28 (1.6 m/s, 1.75m/s), 36 (2.0 m/s), 48 (2.5 m/s)
Max. travel (m)	55 (1.0m/s), 75 (1.6m/s, 1.75m/s), 110 (2.0m/s) & 120 (2.5 m/s)
Car height (CH)	2100, 2200, 2300, 2400, 2500, 2600, 2700 & 2800 mm

KEY	
LL	Landing Door Width
LR	Landing rough opening
WW	Shaft Well Width
WD	Shaft Well Depth
BB	Car Width
DD	Car Depth
SEC	Single entrance car
TTC	Through car (entrance front and rear)
CO	Centre opening
SO	Side opening
SH	Shaft headroom (Overhead)
CH	Car height
PH	Pit height

Note:

- When the ceiling height exceeds 70 mm, SH value is to be added accordingly.
- Dimensions are based on compliance with EN 81-20.
- All design details are based on a single elevator in a single shaft.
- All lift cars which are 1400 mm x 1400 mm and larger provide compliance with NZS 4121



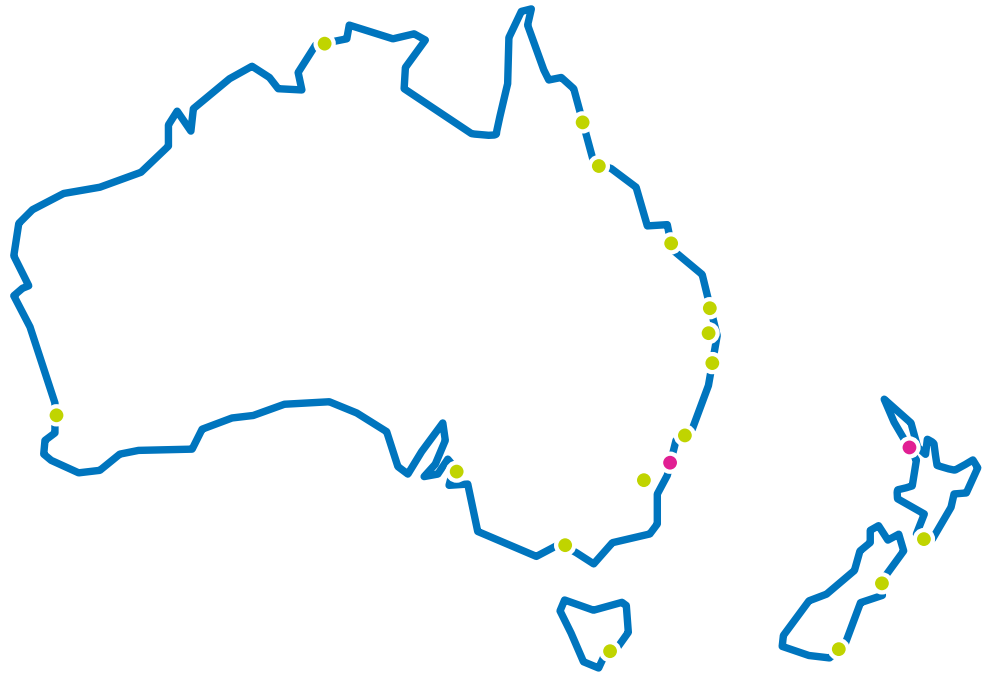
For more information please refer to KONE sales team

KONE provides innovative and energy 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 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® and KONE UltraRope®.

KONE employs over 55,000 dedicated experts to serve you globally and locally. We have a team of over 1500 staff around Australia and New Zealand.



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