

KONE N MonoSpace®



Powerful  
performance  
from the  
best selling  
N Monospace



## The N MonoSpace®

We invented the machine room-less elevator in 1996, and we have been pushing the limits of what it can do ever since.



**KONE**

### KONE elevator range

Product	Description + segment	Machine room	Max speed	Max travel	Max load/persons
KONE E MonoSpace	Economical elevator for residential buildings	No	1.75 m/s	75 m	1000 kg/13
KONE N MonoSpace	Versatile elevator for low and mid-rise residential and commercial buildings	No	2.50 m/s	120 m	1600 kg/21
KONE S MonoSpace	Highly flexible elevator solution for demanding commercial buildings	No	3.0 m/s	120 m	2500 kg/33
KONE MiniSpace	High-speed elevator for high-rise buildings	Yes	4.0 m/s	210 m	2000 kg/26
KONE Highrise MiniSpace	High-speed elevator for high-rise buildings	Yes	10.0 m/s	500 m	2000 kg/26
KONE TranSys	Adaptable passenger and goods elevator solution for public transport, retail, hospital buildings	No	1.6 m/s	40 m	5000 kg/66

## Enhanced for Australian markets



There are good reasons why N Monospace is our best selling lift for residential and commercial projects.

### Best possible passenger experience

KONE N Monospace offers quiet and smooth operation, and accurate levelling enabled by:

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

### Award-winning design to help your building stand out

- Easy selection of car interiors from a collection of functional and visually appealing designs created by KONE's award-winning designers
- The industry's most flexible and versatile offering, with over 100 materials and accessories to choose from for KONE N Monospace, offering you millions of possible combinations
- The most innovative and versatile materials and lighting solutions

### KONE N Monospace is designed for easy, hassle free, and quick installation

Highly efficient scaffoldless installation methods and strict quality criteria for each phase of installation – ensuring “first time right every time”.

### Worry-free maintenance and care

We are constantly evolving and expanding on our maintenance services to increase your elevator's uptime and optimise its performance with one goal in mind: your peace of mind. Beyond guaranteeing the essential activities of ensuring legislation compliance and increasing the elevator's lifecycle, our consultants will work with you on your coverage needs and the best ways to keep you up to date on the status of your elevators.

### Excellent eco-efficiency helps cut your building's footprint

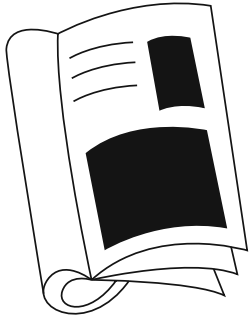
Up to 28% more energy-efficient than before thanks to the upgraded KONE EcoDisc, centralised hoisting, and more advanced standby solutions



## Supporting you every step of the way



Choose a partner with over a century of experience in delivering pioneering elevator solutions. 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

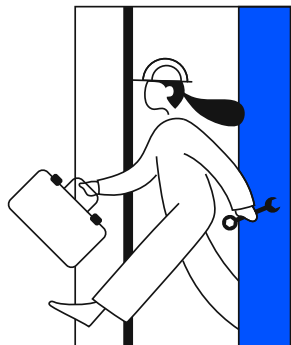
- Expert planning advice helps you specify the optimal elevator solution for your building requirements.
- Easy-to-use online design tools save you time and effort during the design process by allowing you to create CAD drawings, 3D BIM models, and custom car interiors.
- Energy consumption calculations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

## Ceilings

More ceiling options available for N MonoSpace. Please contact our sales consultants for the full range of ceilings and materials.

**CL70**  
Lighting: LED tubes  
Finishing:  
■ ST4 Silver brushed stainless steel

**CL72**  
Lighting: LED tubes  
Finishing:  
□ PP10 White painted RAL9010  
■ ST4 Silver brushed stainless steel

**CL196**  
Direct lighting: LED spot  
Indirect lighting: LED strip  
Centre panel finishing:  
□ PP10 White painted RAL9010  
Side panel finishing:  
□ PP10 White painted RAL9010  
■ ST4 Silver brushed stainless steel  
■ MP1 Silver mirror polished stainless steel

## Car wall materials

For the full design collection, including walls, doors and floor materials, please contact your KONE sales consultant.

### Brushed stainless steel

**ST2**  
Golden  
(Anti-fingerprint coating optional)

**ST5**  
Copper  
(Anti-fingerprint coating optional)

**ST28S**  
Silver Pop

**ST31S**  
Silver High-rise

**ST42C**  
Copper circle

**MP6**  
Silver  
(Anti-fingerprint coating optional)

### Textured stainless steel

**TS2**  
Flemish Linen

### Wooden printed steel

**WS1**  
Light wooden printed steel

**WS2**  
Warm wooden printed steel

**WS3**  
Dark wooden printed steel

## Flooring

### Real stone

**M3R**  
Black Golden Sand

**N1R**  
Castle Grey

**N2R**  
Dark Emperador

**MT3**  
White Marble

### Handrails

**HR61**  
HR61 Round material options:  
ST2 Gold Brushed  
ST4 Silver Brushed  
ST5 Bronze Brushed  
ST6 Copper Brushed  
ST7 Carbon Black Brushed  
P70 Carbon Black Anti-fingerprint

**HR64**  
HR64 Curved material options:  
ST2 Gold Brushed  
ST4 Silver Brushed  
ST5 Bronze Brushed  
ST6 Copper Brushed  
ST7 Carbon Black Brushed  
P70 Carbon Black Anti-fingerprint

### Try our planning tools

[www.kone.com.au/tools-downloads](http://www.kone.com.au/tools-downloads)  
[www.kone.co.nz/tool-downloads](http://www.kone.co.nz/tool-downloads)



All pictures are for reference purposes only. Please contact KONE Sales for more information.

## Signalisation

### KDS 220



### KDS 330



AS1735.12-1999 Compliant

## Destination

- Industry-leading traffic handling performance with KONE Destination
- Increased comfort and convenience with clear guidance and intelligent passenger grouping
- User-friendly and attractive user interfaces including innovative touchscreens and a new smartphone application
- Smooth, non-disruptive modernisation of existing elevators with immediate performance and efficiency gains



## Seamless experiences for smarter buildings

KONE'S advanced people flow integrates equipment and devices into one holistic smart building solution. The result is a seamless user experience from front door to final destination with less waiting, and increased comfort, convenience, and security.

### Monitoring

- Easy remote monitoring, configuration, and management of elevators and escalators from a single location through KONE E-Link™
- Accurate real-time data available instantly on transportation demand, traffic performance, and elevator capacity
- Comprehensive reporting, including archiving of performance data for analysis and troubleshooting
- Remote shutdown of equipment enables energy savings during low-demand periods

### Access

- Smooth people flow and improved security with KONE Access – our access control system for elevators, turnstiles and building doors
- Easy to adapt if your needs change, with flexible, modular solutions
- Simplified planning, installation, and operation with one system from one partner
- Freedom of choice with possibility to integrate KONE Access for elevators with any third party access control system in the building.

### DX Connectivity

- Our market-leading elevator solutions now come with connectivity built in
- With connected elevators you can create a completely new kind of user experience by adding smart building solutions and services that make life even easier and more convenient for users
- Class leading cyber security, certified to ISO/IEC 27001.

### KONE Care DX

#### Smart and Sustainable Maintenance for DX Elevators

##### Working towards carbon neutrality

- **Measure**  
We calculate our carbon emissions for KONE Care™ DX maintenance and select DX Class elevators, and the calculations are verified by a third party.
- **Reduce**  
We have clearly defined emission reduction actions that are, for example, related to materials, manufacturing, logistics, maintenance visits and spare parts.
- **Compensate**  
We compensate for the remaining emissions that we are not able to eliminate through our comprehensive emission reduction actions.



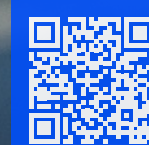
Access



DX Connectivity



KONE Care DX



## What do I get with KONE Care™ 24/7 Connect?

### Insights into the health of your assets

Trustworthy, real-time data and insights on your asset health and maintenance needs.

### Targeted and tailored maintenance

More targeted and tailored maintenance service based on the actual condition of your equipment.

### Notifications and reports

Summary of your connected equipment portfolio and equipment status, and information on any urgent issues.

## KONE Care™ 24/7 Connect

With KONE Care 24/7 Connect, we can now better predict, maintain and take action before equipment breakage. For you, this means improved safety, full transparency and ease of mind. Because if something were to happen, we'd already know.

### Added intelligence – it's predictive

Using the latest technology, the elevators can now speak their minds and keep technicians one step ahead of what's happening. The result? Fewer malfunctions, faster repairs and greater peace of mind for you.

### Added safety – keeping watch 24/7

Elevators are on duty 24/7, and so are we. If a problem occurs, detailed information tells us what's causing the issue and how urgent the matter is. By keeping watch round-the-clock, we can respond quickly in case of sudden malfunctions.

### Added transparency – you'll stay in the know

If critical faults are detected and a technician is alerted, you'll be informed immediately. When you're fully aware of what's going on, you can plan ahead and budget for future maintenance needs.





Persons/rated load (kg)	Speed (m/s)	Car width BB x Car depth DD (mm)	Door opening		Car type Single Entry Car SEC Through Car TTC	Landing Door Width LL (mm)	Landing Rough Opening LR (mm)	Shaft Well Width WW (mm)		Shaft Well Depth WD (mm)	
			Side opening SO	Centre opening CO				NOM	MAX	NOM	MAX
08 / 630	1.0 / 1.6 / 1.75 / 2.0	1100 × 1400	CO	SEC	800	950	1790	1925	1835	2330	
					900	1050	1975	2030	1835	2350	
					900	1050	1675	2030	1820	2470	
	1.0 / 1.6 / 1.75		CO	TTC	800	950	1775	1950	1810	1810	
					900	1050	1975	2170	1810	1810	
					900	1050	1675	1920	2010	2010	
13 / 1000	1.0 / 1.6 / 1.75 / 2.0	1400 × 1600	CO	SEC	900	1050	1975	2225	1935	2530	
					900	1050	1960	2270	2035	2630	
					900	1050	2010	2505	1935	2590	
	2.5		CO	SEC	900	1050	2010	2505	2035	2690	
					900	1050	1975	2270	2210	2210	
					900	1050	1940	2220	2210	2210	
16 / 1200	1.0	1400 × 1970	CO	SEC	900	1050	1975	2230	2260	2940	
					1000	1150	2175	2280	2260	2940	
					1100	1250	2375	2380	2260	2940	
		1400 × 1940	TTC	900	1050	1975	2230	2350	2350		
				1000	1150	2175	2280	2350	2350		
				1100	1250	2375	2380	2350	2350		
	1400 × 1970	SO	SEC	900	1050	1940	2220	2360	3000		
				1400 × 1940	TTC	900	1050	1940	2220	2550	2550
				900		1050	2030	2230	2260	2940	
	1.6 / 1.75	1400 × 1970	CO	SEC		1000	1150	2175	2280	2260	2940
					1100	1250	2375	2380	2260	2940	
					900	1050	2030	2230	2350	2350	
1400 × 1940		TTC	1000	1150	2175	2230	2350	2350			
			1100	1250	2375	2380	2350	2350			
			1400 × 1970	SEC	900	1050	2000	2220	2360	3000	
1400 × 1940	TTC	900	1050		2000	2220	2550	2550			
900		1050	2650		3050	1980	2300				
17 / 1275		1.0 / 1.6 / 1.75	2000 × 1400	CO	SEC	1000	1150	2650	3050	1980	2300
	1100					1250	2650	3050	1980	2300	
	900					1050	1850	2250	2710	3300	
	1200 × 2300		SO	SEC	1000	1150	1850	2250	2710	3300	
					900	1050	1850	2250	2910	2910	
					1000	1150	1850	2250	2910	2910	
18 / 1350	1.0 / 1.6 / 1.75	1500 × 2000	CO	SEC	900	1050	2150	2550	2300	2900	
					1000	1150	2200	2550	2300	2900	
					1100	1250	2350	2550	2300	2900	
		1600 × 2100	CO	SEC	1000	1150	2365	2910	2410	3000	
					1100	1250	2445	2910	2410	3000	
					1000	1150	2465	3010	2325	2900	
21 / 1600	1.0 / 1.6 / 1.75	1700 × 2000	CO	SEC	1100	1250	2495	3010	2325	2900	
					1500 × 2200	SO	SEC	1200	1350	2265	2810

• When the car height CH > 2400 mm, add 40 mm to NOM WD for SEC cars and 80 mm for TTC cars accordingly. • WD is increased by 30 mm for v > 1.0 m/s. • 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	< 1275	2100	3580	5500
1.6	< 1275	2100	3770	5500
1.75	< 1275	2100	3790	5500
2.0	< 1150	2100	4300	5500
2.5	< 1000	2100	4550	5500
1.0	< 1275	2200 – 2800	CH + 1380	5500
1.6	< 1275	2200 – 2800	CH + 1570	5500
1.75	< 1275	2200 – 2800	CH + 1590	5500
2.0	< 1150	2200 – 2800	CH + 1800	5500
2.5	< 1000	2200 – 2800	CH + 2050	5500
1.0	1275 – 1350	2100 – 2800	CH + 1400	5500
1.6	1275 – 1350	2100 – 2800	CH + 1600	5500
1.75	1275 – 1350	2100 – 2800	CH + 1600	5500
1.0	1600	2100 – 2800	CH + 1450	5500
1.6	1600	2100 – 2800	CH + 1600	5500
1.75	1600	2100 – 2800	CH + 1600	5500

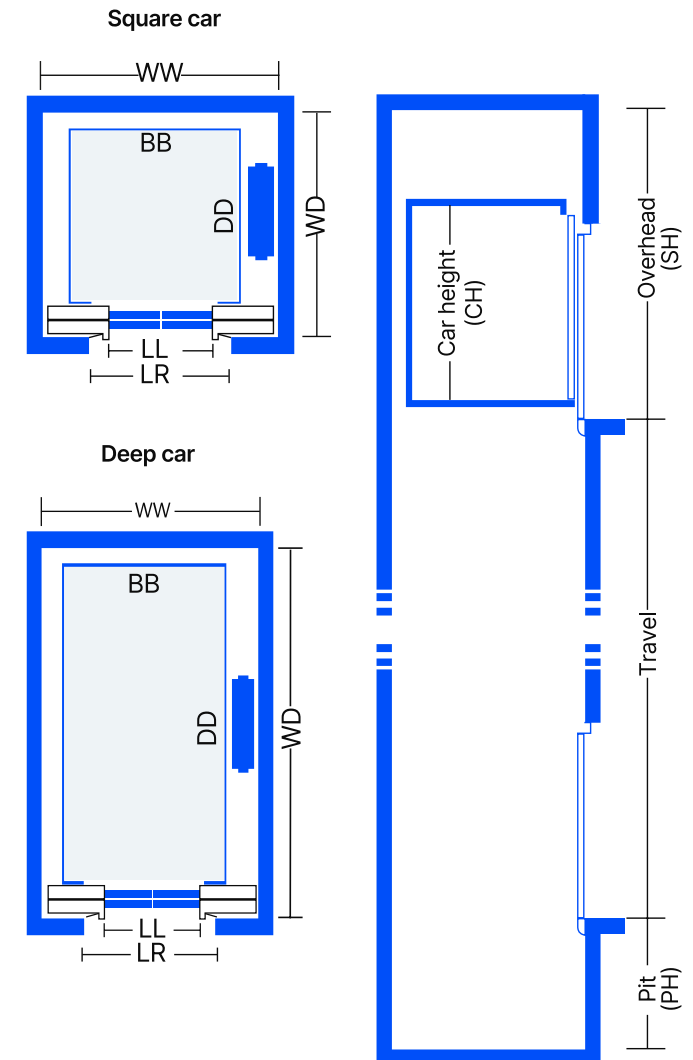
PIT DIMENSIONS			
Rated speed (m/s)	Rated load (kg)	Minimum pit height, PH (mm)	Maximum pit height, PH (mm)
1	< 1275	1150	1800
1.6	< 1275	1350	2500
1.75	1275	1350	2500
2.0	< 1150	1500	2500
2.5	< 1000	1800	2500
1	1275 – 1350	1350	1800
1.6	1275 – 1350	1450	2500
1.75	1275 – 1350	1450	2500
1	1600	1380	1800

- SH values in above table are based on 700 mm balustrade height and on 70 mm ceiling height. Please consult our engineers or business consultants for possible increases to SH values in table
- Selecting car roller guide shoes could impact minimum SH and PH values. Please consult our engineers or business consultants for exact measurements
- In case of TTC car or CWT with safety gear please consult our engineers or business consultants for possible increases to PH values in table

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

<b>Speed</b>	1.0 m/s, 1.6 m/s, 1.75 m/s, 2.0 m/s, 2.5 m/s
<b>Load</b>	320, 400, 450, 480, 1200, 1275, 1350, 1600 kg
<b>Max. stops</b>	18 (1.0 m/s), 28 (1.6 m/s, 1.75m/s), 36 (2.0m/s), 48 (2.5m/s)
<b>Max. travel (m)</b>	55 (1.0 m/s), 85 (1.6 m/s), 90 (1.75m/s), 110 (2.0m/s), 120 (2.5m/s)
<b>Car height (CH)</b>	2100, 2200, 2300, 2400, 2500, 2600, 2700 & 2800 mm

- 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



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