

Dedicated to People Flow™



VISUAL OPTIONS, CAR AND SHAFT DIMENSIONS FOR

KONE elevators for airports

KONE elevators for airports

Airports are unique and demanding environments where a smooth, safe flow of people and goods is critical to daily operations. KONE's eco-efficient elevator solutions for airports include both heavy-duty passenger elevators and freight elevators, and are supported by our world-class consultation and planning services that cover every aspect of people flow within and between airport buildings.

Recommended solutions

- **Elevators for heavy traffic environments.** These spacious, high-capacity elevators provide comfortable, efficient transportation for passengers with baggage. Particularly effective for linking metro and train stations with terminal buildings.
- **Visually appealing elevators for terminal buildings.** For smooth people flow across terminal buildings, for example in shopping areas and terminal stations, in combination with autowalks. These highly visible elevators are often also used as architectural features, and when installed in a glass shaft and fitted with glass walls can offer a panoramic view over surrounding areas.
- **Elevators for improved accessibility in terminal buildings.** These low-duty elevators provide comfortable transportation for passengers with special needs, such as those using wheelchairs or traveling with strollers.
- **Large elevators for automated people mover (APM) stations.** Provide comfortable and efficient transportation for high traffic volumes moving to and from stations.
- **Air traffic control tower elevators.** Dedicated, rapid transportation for air traffic control staff that can be integrated with access control systems for improved security.
- **Service elevators.** Designed to enable efficient and reliable movement of airport staff and goods within and between terminal buildings.
- **Freight elevators.** Durable, reliable solutions for demanding applications. These high-capacity elevators facilitate the smooth flow of goods around the airport. Can transport loads of up to 5,000 kg.

All our elevator solutions are based on the eco-efficient KONE EcoDisc® hoisting motor, which is designed to cut energy consumption and provide industry-leading ride comfort in all traffic conditions. We offer reliable, space-saving solutions with the machine room-less KONE MonoSpace® and KONE TranSys™, as well as compact solutions for a wide variety of applications based on the KONE MiniSpace™.

	KONE MonoSpace® 500 KONE MonoSpace® 700	KONE MiniSpace™	KONE TranSys™
Load (persons)	Up to 33	Up to 54	Up to 67
Load (kg)	1000 - 2500	630 - 4000	1600 - 5000
Speed	1.0 - 2.5 m/s	1.0 - 3.0 m/s	0.5 - 1.0 m/s
Travel	24 floors / 60 m	24 floors / 60 m	24 floors / 40 m





Why choose KONE?

As well as providing visually appealing, durable solutions that improve safety and cut energy costs, KONE also has decades of experience in improving people flow at airports around the world. We can advise on the most efficient way to manage passenger and goods transport in these diverse environments, from retail spaces and check-in areas to security and goods routes.

Functional, reliable, and safe

- Excellent accessibility, with wide-opening doors that enable easy entry and exit. This increases comfort and convenience for people with limited mobility and passengers traveling with baggage or strollers.
- High reliability enabled by the KONE EcoDisc® hoisting motor, with more than 800,000 units operating globally, and KONE's world-class range of flexible preventive maintenance solutions.
- Standards-compliant, with equipment that meets and exceeds all relevant safety and accessibility standards and regulations, including:
 - EN 12015, which regulates the escape of electromagnetic energy from a product to the external environment.
 - EN 12016, which regulates the level of shielding a product must have against electromagnetic disturbances in the surrounding environment.
- Improved security through the ability to integrate elevators with airport access control systems.
- Convenient, cost effective monitoring with KONE E-Link™, which gives you a complete, real-time overview of equipment status from a single location.

Eco-efficient and cost effective

- KONE's regenerative solutions can provide up to 30% energy savings by recovering the energy generated when the elevator is used.
- As well as being up to 80% more efficient than halogen lighting, LED lighting also lasts up to 10 times longer.
- Standby solutions provide substantial energy savings by powering down the equipment when it is not in use.

Designed to last

- Enjoy the industry's most flexible and versatile design offering, with over 100 materials and accessories, offering millions of possible combinations.
- Protect your investment with EN81-71 Category 1 and 2 compliant materials and KONE KSS 140 vandal-resistant signalization.



CEILING

Type: CL94

Finishing: Murano Mirror (H)
mirror polished stainless steel

Light type: T5 fluorescent tubes

WALLS

Back wall: Glass (TW1)

Side walls: Aqua Weave (SS4)
textured stainless steel

FLOOR

Chalky White (SF30) stone

CAR OPERATING PANEL

KSS 670

Faceplate finishing:
Murano Mirror (H)
mirror polished stainless steel

HANDRAIL

HR81 Murano Mirror (H)
mirror polished stainless steel

SKIRTING

Asturias Satin (F) stainless steel

KONE passenger elevator

Smooth, safe people flow, excellent reliability, and the best possible passenger experience in all traffic conditions.

- KONE's space-efficient elevators maximize the use of the available shaft space, which means a larger, more comfortable elevator car can be installed. As well as increasing capacity, this also improves accessibility for all passengers.
- The gearless KONE EcoDisc® hoisting motor enables reliable operation and minimizes maintenance costs and downtime.
- Our award-winning design offering helps you create a functional and durable elevator that fits seamlessly with your airport's design features and provides a pleasant passenger experience.



CEILING
Type: CL88
Finishing: Asturias Satin (F) stainless steel
Light type: LED spot lights, round

WALLS
Glass (TW1)

FLOOR
Dallas Black (RC6) rubber

CAR OPERATING PANEL
KSS 670
Faceplate finishing:
Asturias Satin (F) stainless steel

HANDRAIL
HR94 Asturias Satin (F) stainless steel

SKIRTING
Asturias Satin (F) stainless steel

KONE passenger elevator



CEILING
Type: CL104
Finishing: Asturias Satin (F)
stainless steel with Cloud White
(P50) center panels
Light type: T5 fluorescent tubes

WALLS
Glass (TW1)

FLOOR
Carbon Grey (VF22) vinyl

CAR OPERATING PANEL
KSS 670
Faceplate finishing: Asturias Satin
(F) stainless steel

HANDRAIL
HR81 Asturias Satin (F)
stainless steel

SKIRTING
Asturias Satin (F) stainless steel

KONE service elevator

Reliable, convenient transportation of airport staff and goods within and between terminal buildings.

- Accurate leveling makes loading and unloading easy.
- Spacious car designed for transporting large loads.
- Full-width doors allow easy entry and exit, and maximize the available car space
- Durable hoisting equipment and car interiors designed to cope with the demands of heavy loads and heavy-duty use.



CEILING
Type: CL94
Finishing: Asturias Satin (F)
stainless steel
Light type: T5 fluorescent tubes

WALLS
Scottish Quad (K) textured
stainless steel

FLOOR
Coral Red (RC23) rubber

CAR OPERATING PANEL
KSS 140
Faceplate finishing:
Scottish Quad (K)
textured stainless steel

HANDRAIL
HR94 Asturias Satin (F)
stainless steel

BUFFER RAIL
PR6, stainless steel

SKIRTING
Asturias Satin (F) stainless steel

Visual options

The visual options presented here are available for KONE MonoSpace® 500, KONE MonoSpace® 700 and KONE MiniSpace™ elevators. For KONE TranSys™ materials and accessories please contact a KONE sales agent.

Cat1 Material complies with EN81-71 vandal resistant elevator solution Category 1

Cat2 Material complies with EN81-71 vandal resistant elevator solution Category 2

EN81-71 cat 2 elevator level compliancy needs to be ordered case by case and is available for KONE MonoSpace® 700, KONE MiniSpace and KONE TranSys elevators

Ceilings



Type: **LF1** **Cat2**
 Finishing: Pure white (RAL 9010)
 Lighting: T5 fluorescent tubes
 Note: Not available for KONE MonoSpace® 500



Type: **RL11**, Integrated ceiling
 Finishings: Cloud White (P50)
 Misty Gray (P51)
 Lighting: T5 fluorescent tubes
 Note: Only available for KONE MonoSpace® 500



Type: **CL88**
 Finishings: Asturias Satin (F)
 Cloud White (P50)
 Murano Mirror (H)
 Lighting: LED spot lights, round



Type: **CL94*** **Cat1**
 Finishings: Asturias Satin (F)
 Cloud White (P50)
 Murano Mirror (H)
 Lighting: T5 fluorescent tubes



Type: **CL97**
 Finishing: Asturias Satin (F)
 Murano Mirror (H)
 Shangri-La Gold (SS1)
 Lighting: LED spot lights, square



Type: **CL98**
 Finishing: Asturias Satin (F)
 Murano Mirror (H)
 Lighting: LED spot lights, rectangular



Type: **CL104**
 Frame finishing: Asturias Satin (F)
 Murano Mirror (H)
 Center panels: Cloud White (P50) painted steel
 Lighting: T5 fluorescent tubes

* Note:
 Cat. 1 compliant version available for KONE MonoSpace® 500
 Cat. 2 compliant version LF94 available for KONE MonoSpace® 700, KONE MiniSpace™ and KONE TranSys™

Walls

Brushed stainless steel



A
 Acid Proof **Cat1**

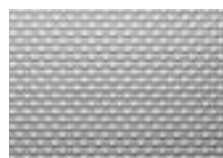


F/F1
 Asturias Satin **Cat1**

Textured stainless steel



K
 Scottish Quad **Cat2**

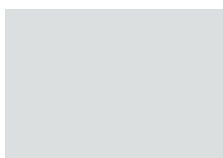


TS1
 Flemish Linen **Cat2**



SS4
 Aqua Weave **Cat2**

Steel



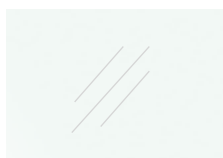
Z
 Zinc coated,
 local paint or decoration

Coated steel



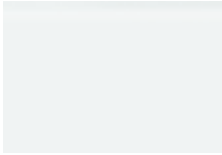
R30
 Nordic Gray

Transparent glass



TW1* **Cat2**
 Glass

Colored glass



GW1
Siberian Glaze



GW4
Manhattan Glaze



GW10
Jaipur Glaze



GW11
Soho Glaze

Floors

Metal plate



AL
Aluminum Cat1

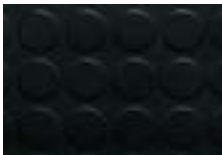


SS
Stainless steel
Note: Not available for
KONE MonoSpace® 500 Cat2



ST
Chequered steel
Note: Not available for
KONE MonoSpace® 500 Cat1

Rubber



RC6
Dallas Black



RC20
Smoke Gray



RC21
Denver Gray



RC22
Shell Gray



RC23
Coral Red



RC24
Dusk Blue

Vinyl



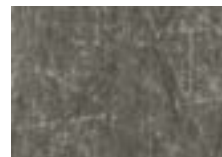
VF20
Ash Gray



VF21
Sepia Brown



VF22
Carbon Gray



VF23
Steel Gray



VF24
Jute Brown



VF25
Flakey Gray

Stone



SF30
Chalk White Cat1



SF31
Grainy Sand Cat1



SF32
Diorite Black Cat1

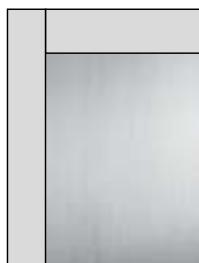


SF36
Spring Sand Cat1

Visual options

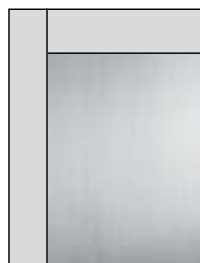
Landing door finishes

Stainless steel



A
Acid Proof

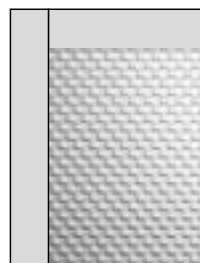
Cat1



F/F1
Asturias Satin

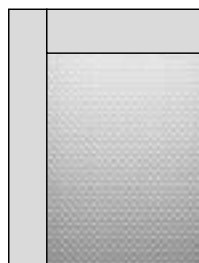
Cat1

Textured stainless steel



K
Scottish Quad

Cat2



TS1
Flemish Linen

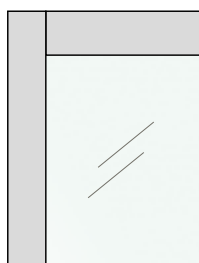
Cat2



SS4
Aqua Weave

Cat2

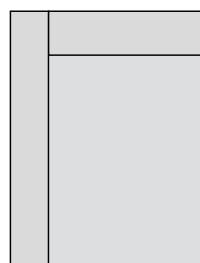
Glass



TW1*
Transparent

Cat2

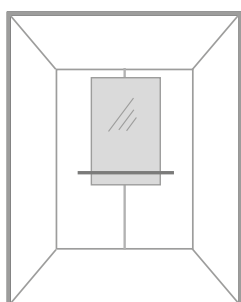
Steel



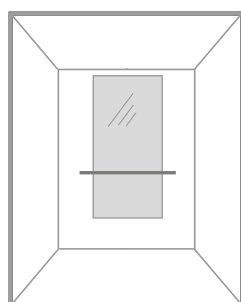
Z
Raw surface for local finishing

Mirrors

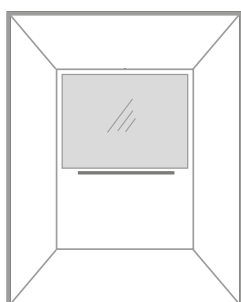
All KONE mirrors are EN81-71 Cat1 compliant



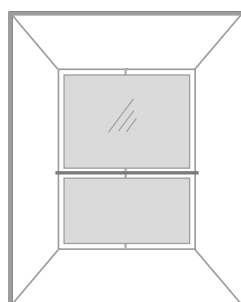
MR1
Partial width/Partial height



MR1
Partial width/Mid height



MR1
Full width/Partial height



MR1
Full width/Full height

Buffer rails



BR1
Flemish Linen (TS)

Cat2



BR1
Lava Black (RC26)

Handrails



HR61*
Round
Finishings:
Brushed stainless steel (F)
Mirror polished stainless steel (H)



HR63
Flat
Finishings:
Brushed stainless steel (F)
Mirror polished stainless steel (H)



HR64* Cat1
Round, bent ends
Finishings:
Brushed stainless steel (F)
Mirror polished stainless steel (H)
Golden brushed stainless steel (SS1)



HR65* Cat1
Triangular, bent ends
Finishings:
Brushed stainless steel (F)
Mirror polished stainless steel (H)



HR81*
Round, sidewall and floor mounted
Finishings:
Brushed stainless steel (F)
Mirror polished stainless steel (H)
Golden brushed stainless steel (SS1)



HR94 Cat2
Round, bent ends
Finishings:
Brushed stainless steel (F)

* Note
Also available as continuous handrail



Signalization for airport elevators

KSS 140 Cat2

Flush mounted, vandal resistant signalization

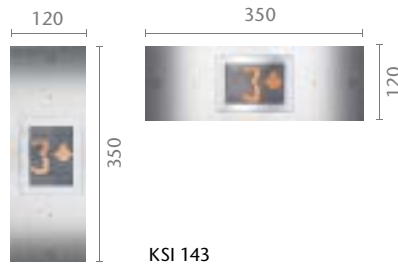


Car operating panel (COP)

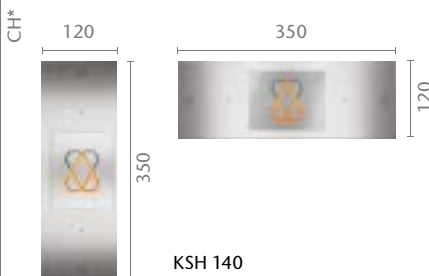
Faceplate finishings:
Scottish Quad (K) stainless steel or
Asturias Satin (F) stainless steel

Displays: Scrolling dot matrix

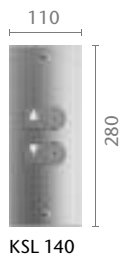
Landing devices



KSI 143



KSH 140



KSL 140

KSC 143
Partial height

KSC 143
Full height
CH* to be extended

KSS 670

Flush mounted signalization

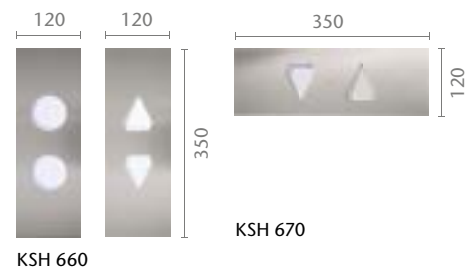


Car operating panel (COP)

Faceplate finishings:
Asturias Satin (F)
Murano Mirror (H)
Golden Mirror (HTIN)

Displays:
KSC 673: Scrolling dot matrix
KSC 675: Black and white LCD

Landing devices**

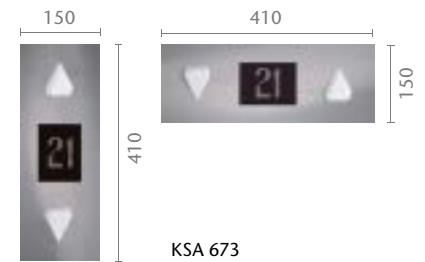


KSH 660

KSH 670



KSI 673/675



KSA 673



KSL 670

KSC 673/675
Full height

*** Note**
The exact height of the COP depends on
the car height (CH) and the selected ceiling option.

**** Note**
Also surface-mounted landing devices
KSS 570 available

KSS 970

Flush mounted signalization



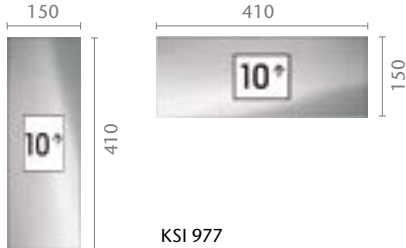
KSC 970/973/977
Full height

Car operating panel (COP)

Faceplate finishings:
Asturias Satin (F)
Murano Mirror (H)
Golden Mirror (HTIN)

Displays:
KSC 973: Scrolling dot matrix
KSC 977: LCD Display

Landing devices



*** Note**
The exact height of the COP depends on the car height (CH) and the selected ceiling option.

Car and shaft dimensions

Compliant with EN81-20 code

KONE MonoSpace® 500

SEC = Single entrance car
TTC = Through type car

Load kg	Persons	Speed m/s	Max stops m/s	Car type	Car size BBxDD mm	Door width LL mm	Car interior height CH mm	Shaft width WW mm		Shaft depth WD mm		Overhead SH mm	Pit depth PH mm
								Centre	Side	Centre	Side		
								Door type ^{a)}		Door type ^{a)}		*)	*)
								Centre	Side	Centre	Side		
1000	13	1.0/ 1.6	24	SEC	1600 x 1400	1100	2300	2340	–	1700	–	3800	1.0 m/s 1050
				TTC	1100 x 2050	900	2300	1940	1600	2510	2710		1.6 m/s 1200
1150	15	1.0/ 1.6	24	SEC	1200 x 2100	1100	2300	2340	1900	2400	2500	3800	1.0 m/s 1050 1.6 m/s 1200
1150	15	1.0/ 1.6	24	SEC	1400 x 1850	1100	2300	2340	1900	2150	2250	3800	1.0 m/s 1050 1.6 m/s 1200

Dimensions are according to CH 2300, for other dimensions, please contact your KONE sales representative.

KONE MonoSpace® 700

SEC = Single entrance car
TTC = Through type car

Load kg	Persons	Car width BB mm	Car depth DD mm	Shaft width WW mm	Shaft depth WD mm	Door width LL mm	SO/CO	SEC/TTC	PH (Min.)		SH (Min.)	
									1 m/s	1.6 m/s	1 m/s	1.6 m/s
1275	17	2000	1400	2700	1950	1100	CO	SEC	1250	1400	CH + 1400	CH + 1800
1275	17	1200	2300	2350	2600	1100	SO	TTC	1250	1400	CH + 1400	CH + 1800
1350	18	2000	1500	2700	1950	1100	CO	SEC	1300	1400	CH + 1850	CH + 2000
1350	18	1400	2200	2350	2500	1100	SO	TTC	1300	1400	CH + 1850	CH + 2000
1600	21	2100	1600	2800	1950	1200	CO	SEC	1300	1400	CH + 1850	CH + 2000
1600	21	1400	2400	2350	2700	1200	SO	TTC	1300	1400	CH + 1850	CH + 2000
2000	26	2200	1800	2900	2300	1500	CO	SEC	1400	1500	CH + 1850	CH + 2000
2000	26	1600	2400	2300	3100	1200	SO	TTC	1400	1500	CH + 1850	CH + 2000
2500	33	2300	2100	3000	2550	1500	CO	SEC	1425	1500	CH + 1850	CH + 2000
2500	33	2000	2400	2700	3100	1200	SO	TTC	1425	1500	CH + 1850	CH + 2000

Dimensions are according to CH 2100, for other dimensions, please contact your KONE sales representative.

KONE MiniSpace™

SEC = Single entrance car
TTC = Through type car

Load kg	Persons	Speed m/s	Max stops	Car type	Car size BBxDD mm	Door width LL mm	Car interior height CH mm	Shaft width WW mm		Shaft depth WD mm		Overhead SH mm	Pit depth PH mm
								Centre	Side	Centre	Side		
								Door type		Door type		*)	*)
								Centre	Side	Centre	Side		
630	8	1.0 / 1.6	24	SEC	1100x1400	900	2300	2300	–	2700	–	1.0 m/s 4300 1.6 m/s 4400	1.0 m/s 1400 1.6 m/s 1600
				TTC	–	–	–	–	–	–	–	–	–
1000	13	1.0 / 1.6	24	SEC	1300x1800	900	2300	2300	–	2700	–	1.0 m/s 4300 1.6 m/s 4400	1.0 m/s 1400 1.6 m/s 1600
				TTC	–	–	–	–	–	–	–	–	–

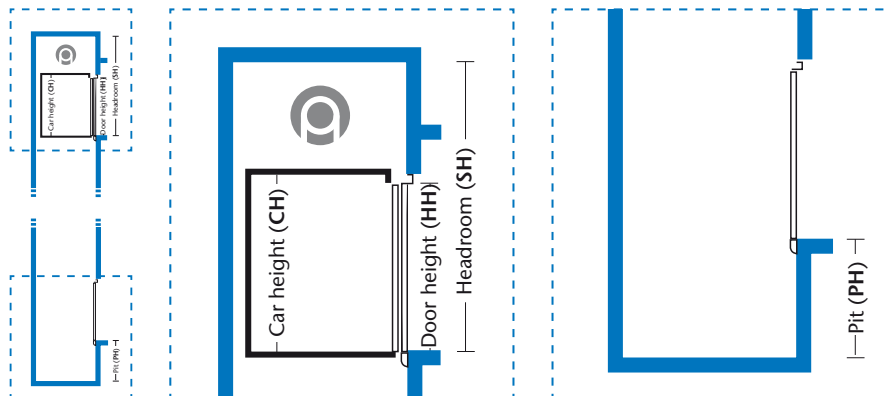
Dimensions are according to CH 2300, for other dimensions, please contact your KONE sales representative.

KONE TranSys™

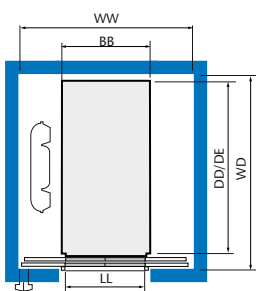
SEC = Single entrance car
TTC = Through type car

Load kg	Persons	Car width BB mm	Car depth DD mm	Shaft width WW mm	Shaft depth WD mm	Door width LL mm	SO/CO	SEC/TTC	PH (Min.)		SH (Min.)
									0.5 m/s	1.0 m/s	0.5 and 1.0 m/s
1600	21	2000	1700	3150	2100	1500	CO	SEC	1250	1250	CH + 1700
1600	21	1400	2400	2700	2800	1400	SO	TTC	1250	1250	CH + 1700
2000	26	1800	2100	2850	2500	1800	CO	SEC	1250	1250	CH + 1700
2000	26	1400	2700	2700	3100	1400	SO	TTC	1250	1250	CH + 1700
2500	33	1800	2700	3050	3100	1800	CO	SEC	1600	1600	4100
2500	33	1800	2600	3000	3250	1400	SO	TTC	1600	1600	4100
3000	40	2000	2700	3200	3200	1900	CO	SEC	1600	1600	4100
4000	53	2100	3700	3300	3900	2000	CO	SEC	1750	1750	4100
5000	67	2500	3500	3700	4000	2500	CO	SEC	2100	2100	4200

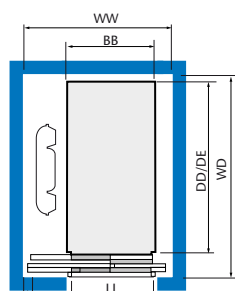
Dimensions are according to CH 2100, for other dimensions, please contact your KONE sales representative.



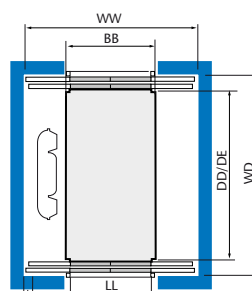
1275 kg / 17 persons
Single entrance / center opening



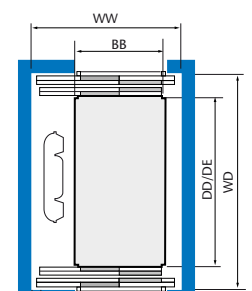
1275 kg / 17 persons
Single entrance / side opening



1275 kg / 17 persons
Through type / center opening



1275 kg / 17 persons
Through type / side opening





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