

Dedicated to People Flow™



VISUAL OPTIONS, CAR AND SHAFT DIMENSIONS FOR

KONE Transit center elevators

KONE transit elevators

KONE offers a wide range of different elevator solutions for transit centers, ranging from extra-heavy duty passenger elevators designed to transport large volumes of customers to and from metro station platforms to smaller elevators that provide access for passengers who are not able to use escalators.

Recommended elevator solutions for transit centers

- Extra-heavy-duty elevator. In a metro station, for example, elevator usage is constant, with operation times exceeding 20 hours a day. Typically, these elevators are used to handle the heavy traffic flow to and from platforms.
- Heavy-duty elevator. Typically used in metro or railway stations, heavy-duty elevators are designed for normal operation with heavy traffic peaks where operating times exceed 10 hours a day. These elevators are normally used to handle the traffic flow to and from platforms.
- Mid-duty elevator. Designed for normal operation, where traffic flow remains relatively constant throughout the day, these elevators can typically be found in the retail areas of a transit center.
- Low-duty elevator. Designed for infrequent or occasional use, these elevators provide access for passengers with special needs, such as those using wheelchairs.
- Service elevators. These elevators are used for transporting goods and personnel, and have a load capacity of up to 5000 kg.

KONE elevators for transit centers are based on three different elevator platforms – the machine room-less KONE MonoSpace®, the KONE MiniSpace™ with its compact machine room, and KONE TranSys™ machine room-less for heavy loads. All three platforms utilize the eco-efficient KONE EcoDisc® hoisting technology.

	KONE MonoSpace®	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 - 2.0 m/s	1.0 - 3.0 m/s	0.5 - 1.0 m/s
Travel	24 floors / 60 m	24 floors / 60 m	12 floors / 24 m





Benefits of KONE elevators

Safe, efficient, and reliable operation

- Easy loading and unloading is ensured with automatic, wide-opening doors. And they also provide access for people with limited mobility, travelers with luggage, and children in strollers, for example.
- The reliable technology of gearless KONE EcoDisc hoisting solution has an excellent track record, with more than 300,000 units operating globally.
- Relevant safety and accessibility standards and regulations are met and exceeded with all KONE equipment.

Eco efficient and cost effective

- KONE EcoDisc is 50–70% more energy-efficient than conventional traction 2-speed or hydraulic powered elevators. Unlike hydraulic elevators, the KONE EcoDisc requires no oil or hole drilling.
- KONE's regenerative solutions can provide 20–35% energy savings by recovering the energy created when the elevator is used.
- LED and eco-efficient fluorescent lighting can reduce energy consumption by up to 80% compared to halogen lights.
- Providing substantial energy savings, KONE's standby solutions power down the equipment when it is not in use, especially during periods of low elevator usage.

Durable and visually appealing

- KONE offers a wide range of elevator design choices and vandal-proof materials, including Category 1 and 2 materials that comply with vandal code EN81-71.
- KONE elevators can be fully customized to meet customer design requirements.
- To enhance safety of the passengers glass elevators in glass shafts are available.

KONE has complete product portfolio for transit centers. KONE equipment complies with EN 12015 and EN 12016 standards and thus fulfills Electromagnetic compatibility (EMC) requirements:

- EN 12015 regulates the escape of electromagnetic energy from a product to the external environment
- EN 12016 regulates the level of shielding a product must have against electromagnetic disturbances in the surrounding environment.

KONE passenger elevators

KONE passenger elevators are designed to transport passengers efficiently to and from the platforms.

- **Space efficiency** – maximum car sizes with minimum shaft dimensions.
Increases passengers' convenience while saving construction costs
- **Durable interior materials** – selected surface materials to fulfill strict EN81-71 vandal code requirements
- **Wide duty range** – to satisfy the people flow requirements of any transit center
- **Easy access** – easy to use for everybody



Car is compliant with EN81-71
vandal code

CEILING

Type: LF94 infra

Finishing: Asturias Satin (F) stainless steel

Light type: T5 fluorescent tubes

WALLS

Safety glass

FLOOR

Tear plate (SS) stainless steel

CAR OPERATING PANEL

KSS 140

Faceplate finishing:

Asturias Satin (F) stainless steel

HANDRAIL

HR41R stainless steel, rounded ends

SKIRTING

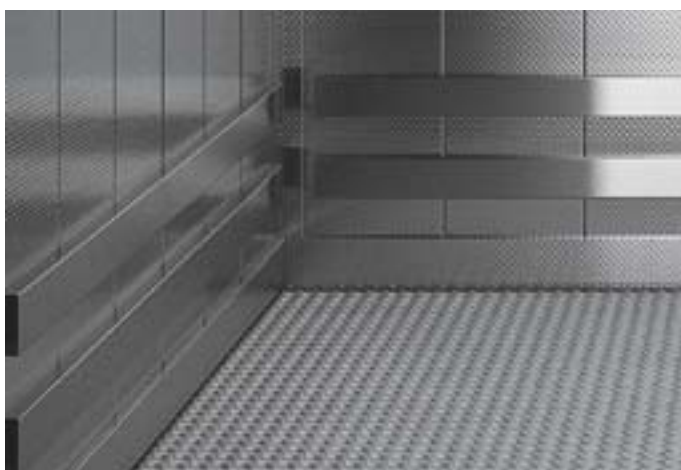
Asturias Satin (F) stainless steel



KONE service elevators

KONE service elevators are designed especially to move heavy loads, offering the following features:

- Fast hoisting and durable car interior
- A smooth ride
- Accurate levelling for easy loading and unloading
- Full-width doors that maximise use of space in the car



Car is compliant with EN81-71
Category 1 and 2

CEILING

Type: LF94 infra
Finishing: Asturias Satin (F) stainless steel
Light type: T5 fluorescent tubes

WALLS

Scottish Quad (K) stainless steel

FLOOR

Tear plate (SS) stainless steel

CAR OPERATING PANEL

KSS 140
Faceplate finishing:
Scottish Quad (K) stainless steel

HANDRAIL

HR41R stainless steel, rounded ends

BUFFER RAIL

PR6, stainless steel

SKIRTING

Asturias Satin (F) stainless steel

Note:

For no vandal code choices ask for your KONE representative



Visual options

* Applicable with vandal code EN81-71 category 1
 ** Applicable also with vandal code EN81-71 category 2

Ceilings



Type: LF1 **
 Finishing: Pure white (RAL 9010)
 Light type: T5 fluorescent tubes



Type: LF94 infra **
 Finishing: Asturias Satin (F)
 Light type: T5 fluorescent tubes

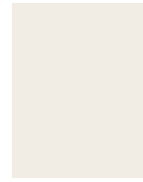


Type: LF95
 Finishing: Asturias Satin (F)
 + white painted center panel
 Light type: T5 fluorescent tubes



Type: LF97/LF97M
 Finishing: Asturias Satin (F)
 Light type: LED (square frame)

Painted metal



RAL 9010
 Pure white

Stainless steel



F Asturias Satin **

Walls

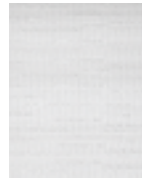
Stainless steel



F Asturias Satin **

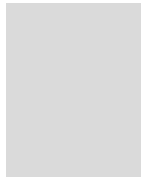


K Scottish Quad



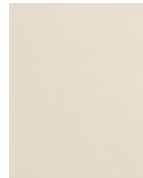
M Flemish Linen

Zinc-coated steel



Z Local paint **

Coated metal



R10 Astoria Almond

Safety glass



**

Stainless steel combinations (narrow panels)



F/G Asturias Satin and Tahoe Leather

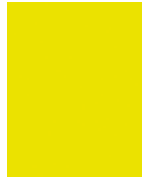
Glass with narrow stainless steel frame



GC1: Siberian Glaze (GW1) with (F) Asturias Satin frames; available only with (F) side walls



GC2: Tokyo Glaze (GW2) with (F) Asturias Satin frames; available only with (F) side walls



GC3: Berlin Glaze (GW3) with (F) Asturias Satin frames; available only with (F) side walls



GC4: Manhattan Glaze (GW4) with (F) Asturias Satin frames; available only with (F) side walls

Handrails



HR24 Rectangular: Asturias Satin (F), Murano Mirror (H) or Painted (RAL-K1)



HR41 Tube 38 mm: Asturias Satin (F), Murano Mirror (H), Oak (wood) or Beech (wood)



HR41R/HR41TR
 Stainless steel

Buffer rails

Up to three buffer rails per wall



PR6
 Stainless steel

Floors

Rubber



RC5
 Detroit Grey



RC6
 Dallas Black



RC9
 Dayton Grey

Steel



Chequered steel plate
 ST

Stainless steel



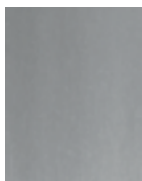
Tear plate
 SS

Aluminium

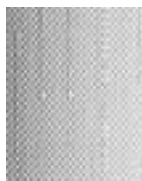


Tear plate
 AL

KES 600 / KES 800 door finishes



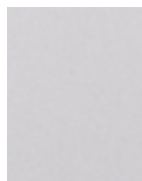
F Asturias Satin **



M Flemish Linen



K Scottish Quad



Z Zinc Coated **

KSS 140 signalization



KSC 143 FH



KSC 143 PH

Car Operating Panel (COP)

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

Display:
Scrolling dot matrix

Floor buttons:
Max. 16 floors

Note:
KONE KSS 140 signalization is
compliant with EN81-71 Category 1
and optionally with Category 2.

Landing devices



KSI 143



KSH 140



KSL 140

Car and shaft dimensions

KONE Mono Space

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	Comments	
								Door type ^{a)}		Door type ^{a)}					
								Centre	Side	Centre	Side				
1000	13	1.0 / 1.6 / 1.75 / 2.0	24	SEC	1600x1400	1100	2300	2350	2300	2000	2100	1.0 m/s 3850 1.6 m/s 3900 1.75 m/s 4200 2.0 m/s 4200	1.0 m/s 1450 1.6 m/s 1600 1.75 m/s 2000 2.0 m/s 2000	c), d), e), f), i)	
				TTC	–	–	2300	–	–	–	–	–	–	–	–
1000	13	1.0 / 1.6 / 1.75 / 2.0	24	SEC	1100x2100	1000	2300	2150	1850	2450	2550	1.0 m/s 3850 1.6 m/s 3900 1.75 m/s 4200 2.0 m/s 4200	1.0 m/s 1400 1.6 m/s 1550 1.75 m/s 2000 2.0 m/s 2000	c), d), e), f), i)	
				TTC	1100x2050	900	2300	1950	1800	2510	2710	–	–	–	–
1150	15	1.0 / 1.6 / 1.75 / 2.0	24	SEC	1500x1800	900	2300	2200	–	2300	–	1.0 m/s 3850 1.6 m/s 3900 1.75 m/s 4200 2.0 m/s 4200	1.0 m/s 1400 1.6 m/s 1550 1.75 m/s 2000 2.0 m/s 2000	c), e), f), i)	
				SEC	1600x1550	1100	2300	2400	–	1850	–	–	–	–	c), e), f), i)
				SEC	1700x1500	1000	2300	2450	–	2100	–	–	–	–	c), e), f), i)
1275	17	1.0 / 1.6 / 1.75 / 2.0	24	SEC	1750x1600	1100	2300	2450	2450	2100	2200	1.0 m/s 3850 1.6 m/s 3900 1.75 m/s 4200 2.0 m/s 4200	1.0 m/s/SEK 1450, TTC 1400 1.6 m/s SEK 1600, TTC 1550 1.75 m/s 2000 2.0 m/s 2000	c), e), f), i)	
				TTC	1300x2100	1100	2300	2350	2000	2510	2710	–	–	–	–
1275	17	1.0 / 1.6 / 1.75 / 2.0	24	SEC	1200x2300	1100	2300	2350	2000	2600	2700	1.0 m/s 3850 1.6 m/s 3900 1.75 m/s 4200 2.0 m/s 4200	1.0 m/s 1400 1.6 m/s 1550 1.75 m/s 2000 2.0 m/s 2000	c), e), f), i)	
				TTC	1200x2300	1100	2300	2350	2000	2710	2910	–	–	–	–
1350	18	1.0 / 1.6 / 1.75 / 2.0	24	SEC	1600x1800	1100	2300	2350	2300	2200	2300	1.0 m/s 3850 1.6 m/s 3900 1.75 m/s 4200 2.0 m/s 4200	1.0 m/s/SEK 1450, TTC 1400 1.6 m/s SEK 1600, TTC 1550 1.75 m/s 2000 2.0 m/s 2000	c), e), f), i)	
				TTC	1400x2050	1100	2300	2350	2100	2510	2710	–	–	–	–
1600	21	1.0 / 1.6 / 1.75 / 2.0	24	SEC	2100x1600	1100	2300	2800	2800	2100	2200	1.0 m/s 3850 1.6 m/s 3900 1.75 m/s 4200 2.0 m/s 4200	1.0 m/s 1450 1.6 m/s 1700 1.75 m/s 2000 2.0 m/s 2000	c), e), f), h), i)	
				TTC	1600x2100	1100	2300	2350	2300	2510	2710	–	–	–	–
1600	21	1.0 / 1.6 / 1.75 / 2.0	24	SEC	1400x2400	1300	2300	2750	2300	2700	2800	1.0 m/s 3850 1.6 m/s 3900 1.75 m/s 4200 2.0 m/s 4200	1.0 m/s 1400 1.6 m/s 1700 1.75 m/s 2000 2.0 m/s 2000	c), f), h), i)	
				TTC	1400x2350	1300	2300	2750	2300	2810	3010	–	–	–	–
1800	24	1.0 / 1.6 / 1.75 / 2.0	24	SEC	2350x1600	1200	2300	3050	3050	2100	2200	1.0 m/s 3850 1.6 m/s 3900 1.75 m/s 4200 2.0 m/s 4200	1.0 m/s 1600 1.6 m/s 1900 1.75 m/s 2100 2.0 m/s 2100	c), i)	
				TTC	1750x2100	1200	2300	2550	2450	2510	2710	–	–	–	–
2000	26	1.0 / 1.6 / 1.75 / 2.0	24	SEC	2350x1700	1300	2300	3050	3050	2150	2250	1.0 m/s 3850 1.6 m/s 3900 1.75 m/s 4200 2.0 m/s 4200	1.0 m/s 1600 1.6 m/s 2000 1.75 m/s 2200 2.0 m/s 2200	c), i)	
				TTC	1850x2100	1300	2300	2750	2550	2510	2710	–	–	–	–
2000	26	1.0 / 1.6 / 1.75 / 2.0	24	SEC	1500x2700	1300	2300	2750	2300	3000	3100	1.0 m/s 3850 1.6 m/s 3900 1.75 m/s 4200 2.0 m/s 4200	1.0 m/s 1600 1.6 m/s 2000 1.75 m/s 2200 2.0 m/s 2200	c), i)	
				TTC	1500x2650	1300	2300	2750	2300	3110	3310	–	–	–	–
2500	33	1.0 / 1.6	24	SEC	1800x2700	1300	2300	2550	2550	3150	3150	1.0 m/s 3850 1.6 m/s 3900	1.0 m/s 1600 1.6 m/s 1850	a), i)	
				TTC	1800x2650	1300	2300	2550	2550	3390	3310	–	–	–	–

KONE MiniSpace

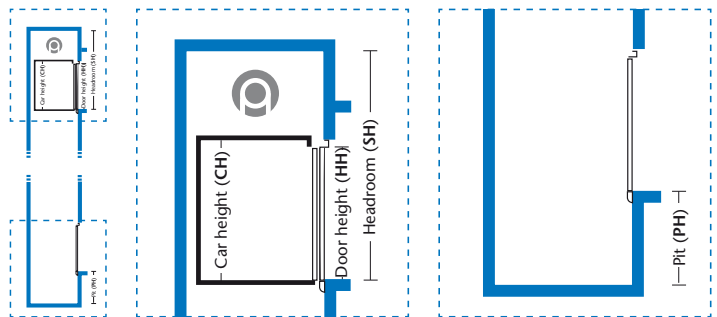
SEC = Single entrance car
TTC = Through type car

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
								Door type		Door type			
								Centre	Side	Centre	Side		
2000	26	1.0 / 1.6 / 1.75 / 2.0 / 2.5 / 3.0	24	SEC	2350x1700	1300	2300	3220	3220	2600	2700	5200	3850
				TTC	–	–	–	–	–	–	–	–	–
2500	33	1.0 / 1.6 / 1.75 / 2.0 / 2.5 / 3.0	24	SEC	1800x2700	1300	2300	3200	3000	3250	3350	5600	4550
				TTC	–	–	–	–	–	–	–	–	–
3000	40	1.0 / 1.6 / 1.75 / 2.0 / 2.5 / 3.0	24	SEC	1800x3000	1500	2300	3200	2900	3450	3550	5600	4800
				TTC	–	–	–	–	–	–	–	–	–
3500	46	1.0 / 1.6 / 1.75 / 2.0 / 2.5 / 3.0	24	SEC	2100x3000	1500	2300	3500	3500	3600	3700	5800	4800
				TTC	–	–	–	–	–	–	–	–	–
4000	53	1.0 / 1.6 / 1.75 / 2.0 / 2.5 / 3.0	24	SEC	2100x3200	1500	–	3500	3500	4000	4100	5800	4800
				TTC	–	–	–	–	–	–	–	–	–

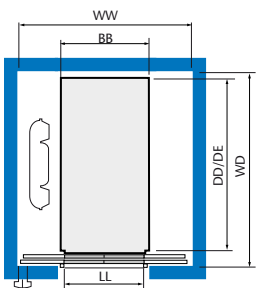
Load kg	Persons	Speed ^{b)} m/s	Max stops	Car type	Car size BBxDE mm	Door width LL mm	Car interior height CH mm	Shaft width ^{b)} WW mm		Shaft depth ^{b)} WD mm		Overhead SH mm	Pit depth ^{c) (m)} PH mm	Comments
								Door type		Door type				
								Centre	Side	Centre	Side			
1600	21	0.5 / 1.0	12	SEC	1400x2400	1400	2300	2550	2550	2800	2800	3900	1350	a), b), m)
				TTC	1400x2400	1400	2300	2550	2550	2950	2950	3900	1350	a), b), m)
1800	24	0.5 / 1.0	12	SEC	1400x2500	1400	2300	2550	2550	2900	2900	3900	1350	a), b), m)
				TTC	1400x2500	1400	2300	2550	2550	3050	3050	3900	1350	a), b), m)
2000	26	0.5 / 1.0	12	SEC	1500x2700	1500	2300	2550	-	3100	-	3900	1350	b), m)
				TTC	1500x2700	1500	2300	2550	-	3250	-	3900	1350	b), m)
2500	33	0.5 / 1.0 / 1.6	12	SEC	1800x2700	1800	2300	3050	-	3100	-	4100	0.5 m/s 1600 1.0 m/s 1600 1.6 m/s 1700	b), n)
				TTC	1800x2700	1800	2300	3050	-	3250	-	4100	0.5 m/s 1600 1.0 m/s 1600 1.6 m/s 1700	b), n)
3000	40	0.5 / 1.0 / 1.6	12	SEC	2000x2750	2000	2300	3250	-	3150	-	4100	0.5 m/s 1600 1.0 m/s 1600 1.6 m/s 1700	b), o)
				TTC	2000x2750	2000	2300	3250	-	3300	-	4100	0.5 m/s 1600 1.0 m/s 1600 1.6 m/s 1700	b), o)
3500	46	0.5 / 1.0	12	SEC	2100x3000	2100	2300	3350	-	3400	-	4100	1850	b), o)
				TTC	2100x3000	2100	2300	3350	-	3550	-	4100	1850	b), o)
4000	53	0.5 / 1.0	12	SEC	2100x3400	2100	2300	3350	-	3800	-	4100	1850	b), o)
				TTC	2100x3400	2100	2300	3350	-	3950	-	4100	1850	b), o)
4500	60	0.5 / 1.0	12	SEC	2500x3100	2500	2300	3900	-	3500	-	-	-	b)
				TTC	2400x3300	2400	2300	3750	-	3850	-	-	-	b)
5000	67	0.5 / 1.0	12	SEC	2500x3500	2500	2300	3900	-	3900	-	4500	2100	b), o)
				TTC	2400x3650	2400	2300	3750	-	4200	-	4500	2100	b), o)

*) Dimensions are acc. to max. speed & CH=2300. For other selections, please consult the local KONE sales representative.

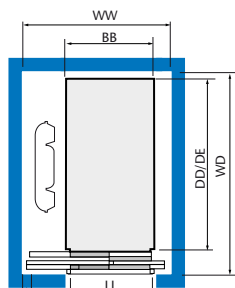
- a) 4 panels centre opening/2 panels side opening
- b) 4 panels centre opening only (LLmax = 1500 for 2 panels centre/side opening)
- c) 2 panels centre opening/2 panels side opening
- d) Dimensions are with MX14 machine (or MX20-light)
- e) LLmin=1200 for 4 panels centre opening
- f) 1,0 m/s PH=1500 when travel H > 30 m
- g) 1000 kg, 1275 kg & 1350 kg TTC: 1,6 m/s PH=1600 when travel H > 50 m
- h) 1600 kg 1,6 m/s: PH = 1800 when travel > 50 m
- i) In case of cwt safety gear PH + 200 mm
- m) With cwt safety gear PH=1750 mm
- n) With cwt safety gear PH = 2150 mm
- o) Cwt safety gear not available



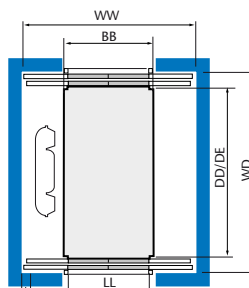
1275 kg / 17 persons
Single entrance / center opening



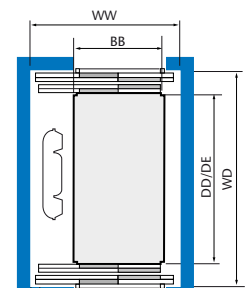
1275 kg / 17 persons
Single entrance / side opening



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 and automatic building doors. 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 MaxiSpace™, and KONE InnoTrack™. You can experience these innovations in architectural landmarks such as the Trump Tower in Chicago, the 30 St Mary Axe building in London, the Schiphol Airport in Amsterdam and the Beijing National Grand Theatre in China.

KONE employs approximately 34,000 dedicated experts to serve you globally and locally in over 50 countries.

KONE Corporation
www.kone.com

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