

A man in a bright green polo shirt and dark blue cargo pants is pushing a metal wire cart through an elevator shaft. The cart is loaded with several cardboard boxes. He is wearing blue work gloves. The elevator shaft has a metallic, reflective interior. The scene is brightly lit, suggesting an indoor industrial or commercial setting.

# MACHINE ROOM-LESS FREIGHT AND SERVICE ELEVATOR

# MOVING FREIGHT AND HEAVY LOADS JUST GOT EASIER

To move freight and heavy loads, you need a lift that is designed specifically for that purpose:

- Fast and durable hoisting to cope with rough treatment
- A smooth ride to handle fragile loads
- Accurate leveling for easy loading and unloading
- Full-width doors that maximise the use of space in the car
- A selection of signalisation and interior designs to make it easy to match the lift with your building's interior

The powerful and high-performance KONE TranSys™ freight and service lift solution is ideal for a multitude of demanding vertical transportation tasks in a variety of buildings: supermarkets, shopping malls, airports, warehouses, hospitals, hotels, industrial plants and offices.

The KONE TranSys™ is fully customisable and combines speed and power with premium-quality design.



# MORE HOISTING POWER, LOWER ENERGY CONSUMPTION

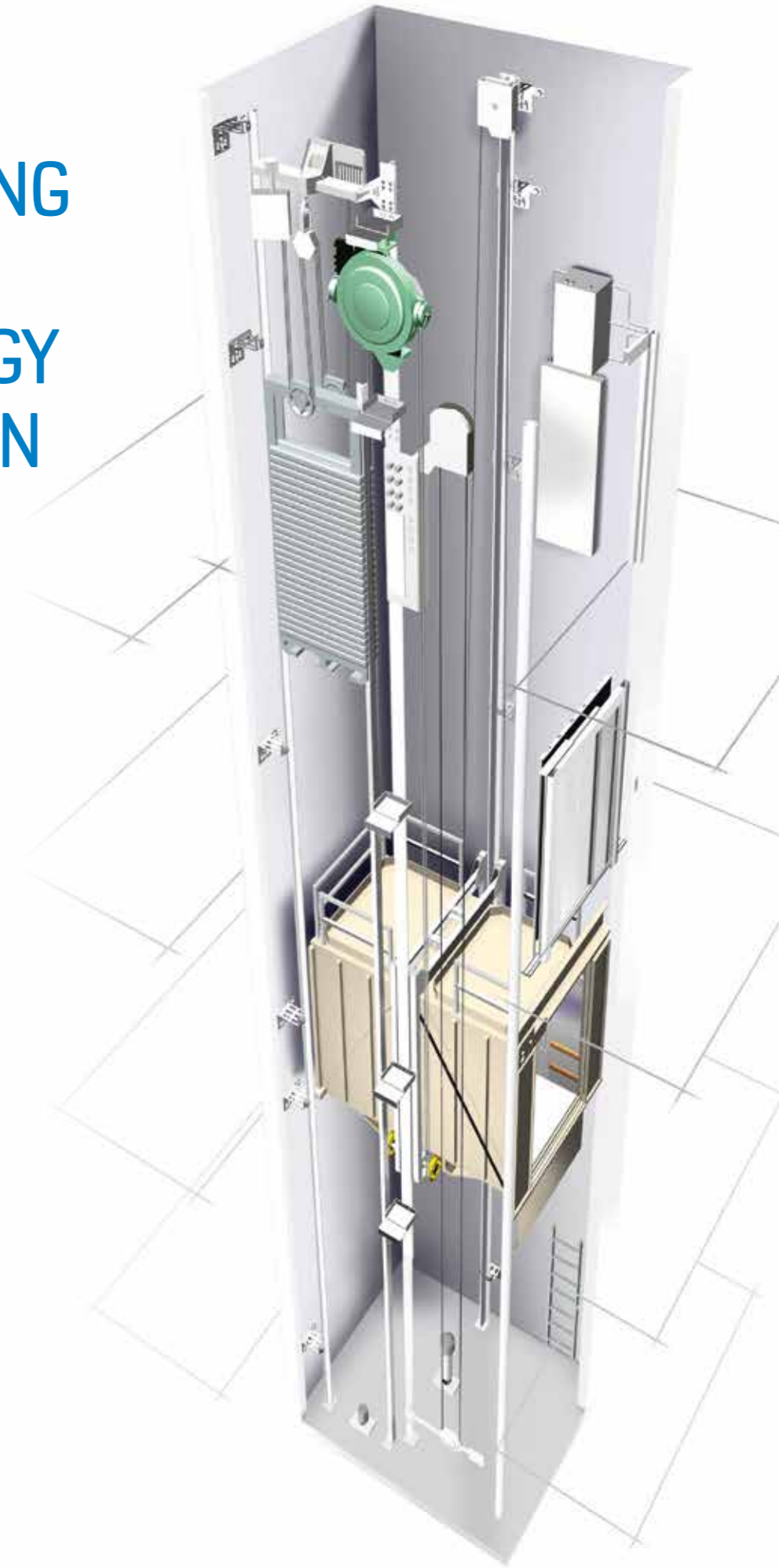
## THE POWER TO LIFT UP TO 5,000 KG

The KONE TranSys™ is based on the machine room-less KONE MonoSpace® platform. It incorporates the highly reliable and eco-efficient KONE EcoDisc® hoisting machine for exceptional power and performance.



The highly energy-efficient performance of KONE solutions is demonstrated by their ISO 25745 classification\*. The ISO 25745 standard classifies lifts from A to G, where A represents the most energy efficient and G the least energy efficient.

\* The ISO 25745 classification relates to each individual lift and can change based on the specific lift in question.





# OUTSTANDING POWER AND PERFORMANCE

## EXCEPTIONALLY SPACE-EFFICIENT

The machine room-less design brings a variety of benefits:

- Easier positioning of the lift in the building
- Reduced building construction time and costs
- Safer and more efficient installation
- Up to 30m<sup>3</sup> extra building space that can be freed up for more profitable uses
- Wide-opening doors to allow easy loading and unloading of large or bulky items

## RELIABLE PERFORMANCE

The KONE TranSys™ provides reliable operation, outstanding traffic performance and a smooth ride at speeds of up to 1.6 meters per second. The excellent ride quality helps to protect fragile loads and is the result of the motor's low rotational speeds.

What's more, the low-friction, gearless construction of the KONE EcoDisc® hoisting machine reduces component wear, which results in increased reliability and less downtime for maintenance.



## EASY LOADING AND UNLOADING

The KONE TranSys™ features highly accurate ( $\pm 5$  mm) leveling to make loading and unloading easier. It also has a higher sill load than competing solutions to enable easy loading and unloading of heavy loads without unbalancing the lift, even when the load is distributed over a small area.

## A TRUE POWER LIFTER

The KONE TranSys™ is based on our machine room-less KONE MonoSpace® platform. It incorporates the highly reliable and eco-efficient KONE EcoDisc® hoisting machine for exceptional lifting power and performance. The KONE TranSys™ is available in a wide range of car sizes and has a maximum load capacity of 5,000 kg, meaning it can meet almost any freight transportation requirement in a wide range of building types.

### KEY SPECIFICATIONS

Load capacity	1000 – 5000 kg / 13 – 66 persons
Speed	0.5 – 1.6 m/s
Max. travel	40 m up to 4000 kg, 23 m up to 5000 kg
No. of floors	12, also applicable for TTC
Car height	Up to 2700 mm
Group size	Max. 4/group
Hoisting machine	Gearless KONE EcoDisc®
Doors	Automatic center and side opening
Car door height	Up to 2400 mm
Code compliance	EU Directive 2014/33/EU, EN81-20/50 Optional EN81-72:2015, EN81-73:2016, EN81-21:2017, EN81-70, EN81-71



# DURABLE DESIGN



KONE TranSys™ cars are built for the job. The car is finished in stainless or powder-coated steel, protected by buffer rails and equipped with LED and fluorescent lighting. A second car operating panel is optional and combined with a minimum floor-to-floor distance to suit the through-car application.

With a wide selection of wall, floor and landing-door materials, the lift design can be seamlessly integrated with the building's interior design.

As an option, we also offer EN81-71 Category 1 compliant vandal-resistant lifts.

The KONE TranSys™ can also be used as a fire-fighting lift in accordance with the EN81-72:2015 standard.

We can supply all the necessary optional equipment including rescue ladders inside the car or on the car ceiling and IP-protection of doors, car control panels and so on.



## EXTRA-WIDE DOORS

The KONE TranSys™ can be equipped with full-width centre-opening doors, which retract the full width of the car for easy transportation of passengers and goods. Further door-area protection includes a curtain of light or passenger detector on the top beam of the door. The strong double-skin door panels are finished in powder-coated stainless steel or zinc-coated steel.

We also offer glass door panels in a wide range of widths.

# A MULTI-PURPOSE LIFT

## KONE VEHICLE™ LIFT

The KONE TranSys™ is also suitable for vehicle transportation from underground or rooftop car parks where space is at a premium.

## KEY FEATURES

- Machine room-less technology allows for extra rooftop space
- Faster ride compared to hydraulic lifts
- Energy saving due to gearless hoisting technology
- Patented lightweight floor reduces weight by approx. 2,000 kg in a typical (3,000 x 6,000 mm) lift car compared to a conventional floor
- Full-car-width doors
- Easy lift call with a separate landing call station on a raised pedestal
- Passenger detector opens the lift doors as the vehicle approaches and keeps them open as it enters or exits



## USING THE KONE TRANSYS™ FOR PASSENGER TRANSPORTATION

This fast, powerful lift can also be used to transport people in shopping centres and airports, where large lift cars and fast transportation speeds ensure uninterrupted people flow throughout the building.

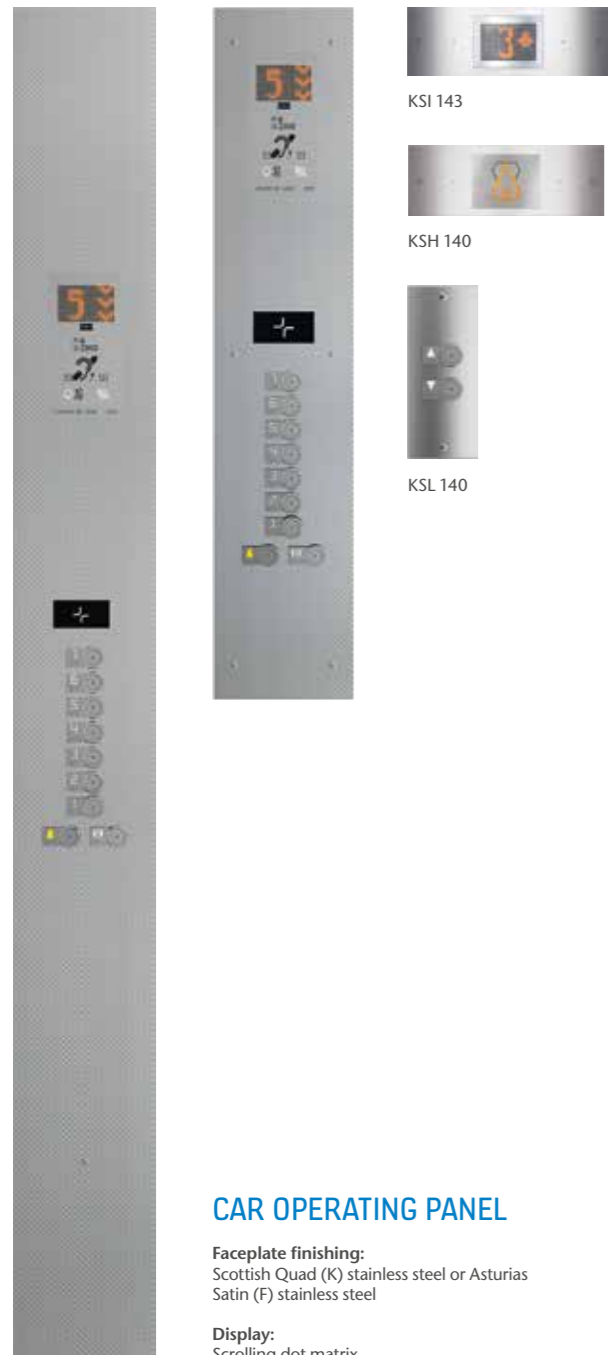
We offer a wide range of signalisation and interior-design options for passenger-configured lifts. See separate brochure for details of our KONE Transys™ Passenger solution.



# KONE TRANSYS™ SIGNALISATION

Choose from a wide range of durable and user-friendly lift signalisation

## KSS 140



### CAR OPERATING PANEL

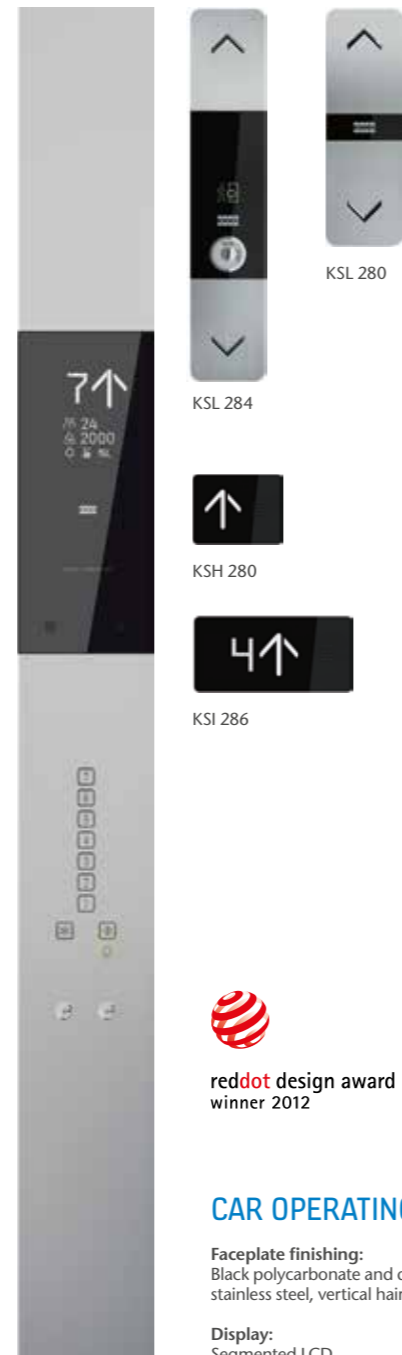
**Faceplate finishing:**  
Scottish Quad (K) stainless steel or Asturias Satin (F) stainless steel

**Display:**  
Scrolling dot matrix

KSC 143

Vandal-resistant signalisation  
(EN81-71 Cat. 1 compliant)

## KSS 280



reddot design award  
winner 2012

### CAR OPERATING PANEL

**Faceplate finishing:**  
Black polycarbonate and deep-formed brushed stainless steel, vertical hairline

**Display:**  
Segmented LCD

KSC 276  
Full height

## KSS 670



### CAR OPERATING PANEL

**Faceplate finishing:**  
Asturias Satin (F) stainless steel

**Display:**  
KSC 673: Scrolling dot matrix

KSC 673

## KSC D61/62/63



### CAR OPERATING PANEL

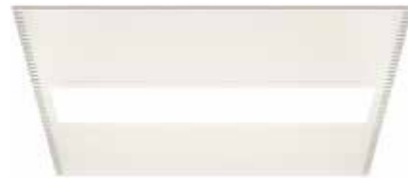
**Faceplate finishing:**  
Brushed stainless steel

**Display:**  
KSC D63 scrolling dot matrix

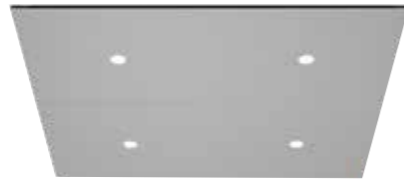
KSC D63

# VISUAL OPTIONS

## CEILING



**LF1\*/LF1V\*\***  
Lighting: T5 fluorescent tubes  
Finishings: Asturias Satin (F)  
Cloud white (P50)



**CL80**  
Lighting: Eco LED spot lights, round  
Finishings: Asturias Satin (F)  
Cloud White (P50)



**CL88**  
Lighting: LED spots  
Finishings: Asturias Satin (F)  
Cloud White (P50)



**CL94/ CL94V\*\***  
Lighting: T5 fluorescent tubes  
Finishings: Asturias Satin (F)  
Cloud White (P50)



**CL95**  
Lighting: T5 fluorescent tubes  
Frame: Asturias Satin (F)  
Center panel: Cloud White (P50)

\* LF1 is the only ceiling available for cars over 2,500 kg  
\*\* Asturias Satin is the only finishing material for CL94V/LF1V

## WALL MATERIALS

### Painted steel



**P51**  
Misty Gray



**P52**  
Sunny Yellow

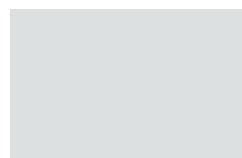


**P53**  
Dawn Red



**P54**  
Sky Blue

### Steel



**Z**  
Zinc coated, local paint  
or decoration



**A**  
Acid-proof  
(AISI 316)



**F**  
Asturias Satin  
(Ferritic)



**F1**  
Asturias Satin  
(Austenitic)

### Brushed stainless steel



**K**  
Scottish Quad



**TS1**  
Flemish Linen



**SS4**  
Aqua Weave



**R30**  
Nordic Gray

### Coated steel

## FLOOR MATERIALS

### Rubber



**RC6**  
Dallas Black



**RC21**  
Denver Gray



**RC24**  
Dusk Blue

### Plywood



**FFP**  
Film Faced Plywood

### Metal plate



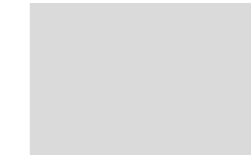
**AL**  
Aluminum



**SS**  
Stainless steel



**ST**  
Chequered steel



**Z**  
Raw surface for local finishing

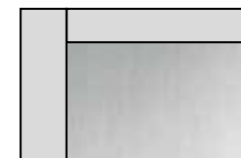
### Vinyl



**VF25**  
Flakey Gray

## KES 600 / KES 800 DOOR FINISHES

### Brushed stainless steel



**A**  
Acid Proof (AISI 316)

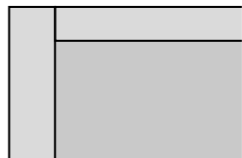


**F**  
Asturias Satin (Ferritic)

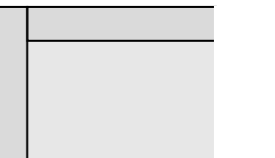


**F1**  
Asturias Satin (Austenitic)

### Painted steel

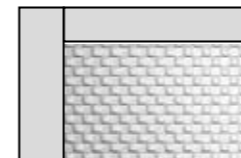


**P51**  
Misty Gray

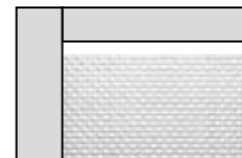


**P56**  
Tele Gray

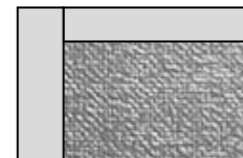
### Textured stainless steel



**K**  
Scottish Quad

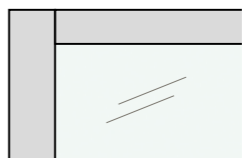


**TS1**  
Flemish Linen



**SS4**  
Aqua Weave

### Glass



**TW1**  
Glass

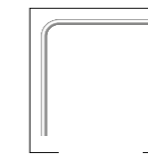
## HANDRAILS



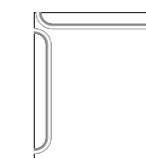
**HR64**  
Finishings: Brushed stainless steel (F)  
Murano mirror (H)



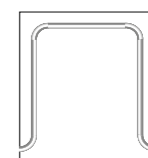
**HR94**  
Finishings: Brushed stainless steel (F)



**HR64 and HR94**  
Tube with corner module



**HR64 and HR94 (EN81-70)**  
Tube with rounded ends



**HR64 and HR94 (EN81-70)**  
Tube with corner module  
and rounded ends

## BUFFER RAILS



**BR1**  
Flemish Linen (TS1)  
textured stainless steel



**PR5**  
Wood Oak/Beech



**PR6**  
Brushed stainless steel

## MIRROR



Mirrors are available with  
full width, partial height.





CAR WITHOUT FRONT WALL

SIDE-OPENING SINGLE ENTRANCE (SEC)

RATED SPEED M/S	PASSENGERS	RATED LOAD KG	BB MM	DD MM	LL MM	NARROW FRAME					FRAME		
						LR MM	FW1 MM	FW MM	IW MM	WD MM	LR MM	FW1 MM	FW MM
0.5	13	1000	1300	1750	1300	1450	180	650	2280	2245	1600	105	575
1.0	13	1000	1300	1750	1300	1450	180	650	2280	2220	1600	105	575
0.5	21	1600	1400	2400	1400	1550	220	700	2470	2780	1700	145	625
1.0	21	1600	1400	2400	1400	1550	220	700	2470	2780	1700	145	625
0.5	24	1800	1400	2550	1400	1550	220	700	2470	2930	1700	145	625
1.0	24	1800	1400	2550	1400	1550	220	700	2470	2930	1700	145	625

FOUR-PANEL CENTER-OPENING SINGLE ENTRANCE (SEC)

RATED SPEED M/S	PASSENGERS	RATED LOAD KG	BB MM	DD MM	LL MM	NARROW FRAME					FRAME		
						LR MM	FW1 MM	FW MM	IW MM	WD MM	LR MM	FW1 MM	FW MM
0.5	13	1000	1300	1750	1300	1450	330	435	2215	2245	1600	255	360
1.0	13	1000	1300	1750	1300	1450	330	435	2215	2220	1600	255	360
0.5	21	1600	1400	2400	1400	1550	355	435	2340	2780	1700	280	360
1.0	21	1600	1400	2400	1400	1550	355	435	2340	2780	1700	280	360
0.5	24	1800	1400	2550	1400	1550	355	435	2340	2780	1700	280	370
1.0	24	1800	1400	2550	1400	1550	355	435	2340	2780	1700	280	370
0.5	26	2000	1500	2700	1500	1650	380	445	2475	3080	1800	305	370
1.0	26	2000	1500	2700	1500	1650	380	445	2475	3080	1800	305	370
0.5	33	2500	1800	2700	1800	1950	450	450	2850	3080	2100	375	375
1.0	33	2500	1800	2700	1800	1950	450	450	2850	3080	2100	375	375
1.0	33	2500	1800	2700	1800	1950	450	605	3005	3080	2100	375	530
1.0	33	2500	1800	2700	1800	1950	450	605	3005	3080	2100	375	530
1.6	33	2500	1800	2700	1800	1950	450	605	3005	3080	2100	375	530
0.5	40	3000	2000	2750	2000	2150	500	605	3255	3130	2300	425	530
1.0	40	3000	2000	2750	2000	2150	500	605	3255	3130	2300	425	530
1.6	40	3000	2000	2750	2000	2150	500	605	3255	3130	2300	425	530
0.5	46	3500	2100	3000	2100	2250	525	555	3330	3380	2400	450	480
1.0	46	3500	2100	3000	2100	2250	525	555	3330	3380	2400	450	480
0.5	53	4000	2100	3400	2100	2250	525	555	3330	3780	2400	450	480
1.0	53	4000	2100	3400	2100	2250	525	555	3330	3780	2400	450	480

SIX-PANEL CENTER-OPENING SINGLE ENTRANCE (SEC)

RATED SPEED M/S	PASSENGERS	RATED LOAD KG	BB MM	DD MM	LL MM	NARROW FRAME					FRAME		
						LR MM	FW1 MM	FW MM	IW MM	WD MM	LR MM	FW1 MM	FW MM
0.5	60	4500	2500	3100	2500	2650	495	555	3700	3580	2800	420	480
1.0	60	4500	2500	3100	2500	2650	495	555	3700	3580	2800	420	480
0.5	66	5000	2500	3500	2500	2650	495	555	3700	3980	2800	420	480
1.0	66	5000	2500	3500	2500	2650	495	555	3700	3980	2800	420	480

SIX-PANEL CENTER-OPENING SINGLE ENTRANCE (SEC) VEHICLE

RATED SPEED M/S	PASSENGERS	RATED LOAD KG	BB MM	DD MM	LL MM	NARROW FRAME					FRAME		
						LR MM	FW1 MM	FW MM	IW MM	WD MM	LR MM	FW1 MM	FW MM
0.5	40	3000	2500	5575	2500	2650	495	555	3700	6055	2800	420	480
1.0	40	3000	2500	5575	2500	2650	495	555	3700	6055	2800	420	480
0.5	53	4000	3000	6075	3000	3150	580	555	4285	6555	3300	505	480
1.0	53	4000	3000	6075	3000	3150	580	555	4285	6555	3300	505	480

CAR WITHOUT FRONT WALL

SIDE-OPENING THROUGH TYPE (TTC)

RATED SPEED M/S	PASSENGERS	RATED LOAD KG	BB MM	DD MM	LL MM	NARROW FRAME					FRAME		
						LR MM	FW1 MM	FW MM	IW MM	WD MM	LR MM	FW1 MM	FW MM
0.5	13	1000	1100	2100	1100	1250	180	550	1980	2650	1400	105	475
1.0	13	1000	1100	2100	1100	1250	180	550	1980	2650	1400	105	475
0.5	21	1600	1400	2400	1400	1550	220	700	2470	2950	1700	145	625
1.0	21	1600	1400	2400	1400	1550	220	700	2470	2950	1700	145	625
0.5	24	1800	1400	2550	1400	1550	220	700	2470	3100	1700	145	625
1.0	24	1800	1400	2550	1400	1550	220	700	2470	3100	1700	145	625

FOUR-PANEL CENTER-OPENING THROUGH TYPE (TTC)

RATED SPEED M/S	PASSENGERS	RATED LOAD KG	BB MM	DD MM	LL MM	NARROW FRAME					FRAME		
						LR MM	FW1 MM	FW MM	IW MM	WD MM	LR MM	FW1 MM	FW MM
0.5	21	1600	1400	2400	1400	1550	355	435	2340	2950	1700	280	360
1.0	21	1600	1400	2400	1400	1550	355	435	2340	2950	1700	280	360
0.5	24	1800	1400	2550	1400	1550	355	435	2340	2950	1700	280	370
1.0	24	1800	1400	2550	1400	1550	355	435	2340	2950	1700	280	370
0.5	26	2000	1500	2700	1500	1650	380	445	2475	3250	1800	305	370
1.0	26	2000	1500	2700	1500	1650	380	445	2475	3250	1800	305	370
0.5	33	2500	1800	2700	1800	1950	450	450	2850	3250	2100	375	375
1.0	33	2500	1800	2700	1800	1950	450	450	2850	3250	2100	375	375
1.0	33	2500	1800	2700	1800	1950	450	605	3005	3250	2100	375	530
1.0	33	2500	1800	2700	1800	1950	450	605	3005	3250	2100	375	530
1.6	33	2500	1800	2700	1800	1950	450	605	3005	3250	2100	375	530
0.5	40	3000	2000	2750	2000	2150	500	605	3255	3300	2300	425	530
1.0	40	3000	2000	2750	2000	2150	500	605	3255	3300	2300	425	530
1.6	40	3000	2000	2750	2000	2150	500	605	3255	3300	2300	425	530
0.5	46	3500	2100	3000	2100	2250	525	555	3330	3550	2400	450	480
1.0	46	3500	2100	3000	2100	2250	525	555	3330	3550	2400	450	480
0.5	53	4000	2100	3400	2100	2250	525	555	3330	3950	2400	450	480
1.0	53	4000	2100	3400	2100	2250	525	555	3330	3950	2400	450	480

SIX-PANEL CENTER-OPENING THROUGH TYPE (TTC)

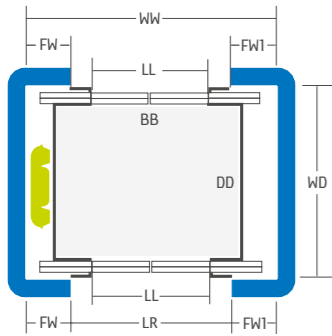
RATED SPEED M/S	PASSENGERS	RATED LOAD KG	BB MM	DD MM	LL MM	NARROW FRAME					FRAME		
						LR MM	FW1 MM	FW MM	IW MM	WD MM	LR MM	FW1 MM	FW MM
0.5	60	4500	2400	3300	2400	2550	480	555	3585	4050	2700	405	480
1.0	60	4500	2400	3300	2400	2550	480	555	3585	4050	2700	405	480
0.5	66	5000	2400	3650	2400	2550	480	555	3585	4400	2700	405	480
1.0	66	5000	2400	3650	2400	2550	480	555	3585	4400	2700	405	480

SIX-PANEL CENTER-OPENING THROUGH TYPE (TTC) VEHICLE

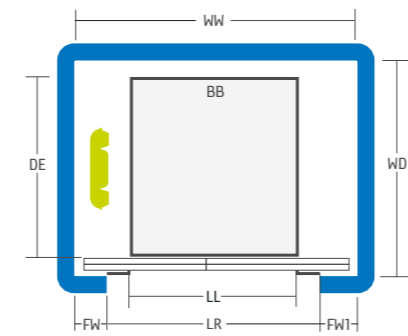
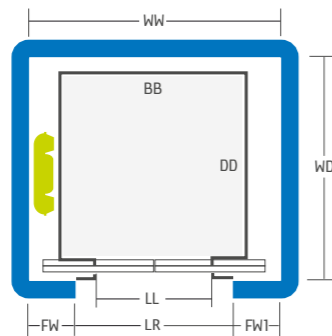
RATED SPEED M/S	PASSENGERS	RATED LOAD KG	BB MM	DD MM	LL MM	NARROW FRAME					FRAME		
						LR MM	FW1 MM	FW MM	IW MM	WD MM	LR MM	FW1 MM	FW MM
0.5	53	4000	3000	6150	3000	3150	580	555	4285	6900	3300	505	480
1.0	53	4000	3000	6150	3000	3150	580	555	4285	6900	3300	505	480



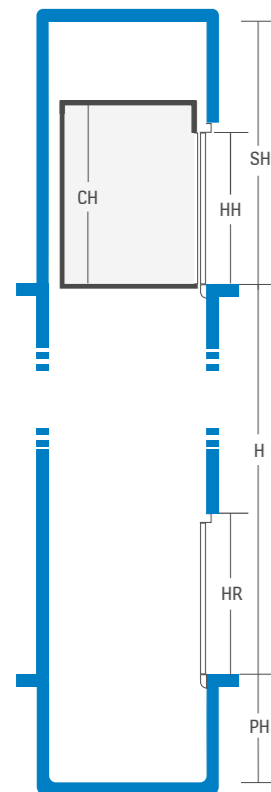
Car with front wall, door LL ≠ BB\*



Car without front wall, door LL = BB\*



\* FW is machine side, FW1 is car single side



VERTICAL SHAFT ARRANGEMENT FOR SINGLE AND DUAL-ENTRANCE CARS					
Speed m/s	Person / load kg	Min. headroom height (SH) mm standard	Min. headroom height (SH) mm optional	Min. pit height (PH) mm	Min. pit height (PH) mm optional
0.5 – 1.0	1000 – 1600	CH + 1700	CH + 1400 *	1250 / 1750	975 *
0.5 – 1.0	1800 – 2000	CH + 1700	CH + 1550 *	1250 / 1750	1050 *
0.5 – 1.0	2500	CH + 1700 (4100 if CH ≤ 2400)	CH + 1710	1600 / 2150	1300
0.5 – 1.0	3000	CH + 1700 (4100 if CH ≤ 2400)	3925 (3850 if CH = 2100)	1600 / 2150	1400
0.5 – 1.0	3500	CH + 1700 (4100 if CH ≤ 2400)	3925 (3900 if CH = 2100)	1750 / 2150	1550
0.5 – 1.0	4000	CH + 1700 (4100 if CH ≤ 2400)	3925 (3900 if CH = 2100)	1750 / 2150	1600
0.5 – 1.0	4500	CH + 1900 (4200 if CH ≤ 2300)	–	2100 / 2500	–
0.5 – 1.0	5000	CH + 1900 (4200 if CH ≤ 2300)	–	2100 / 2500	–
1.6	2500	4200	–	2150 / –	–
1.6	3000	4200	–	2150 / –	–

\* with EN81-21

SH values apply to ceiling LF1/LF1V; SH values can be higher for other ceiling types. PH min. given with and without CWT safety gear. Please contact your local KONE representative for more information.

CONTROL SYSTEM FEATURES

System features	Availability
KONE Remote Monitoring with GSM connection	○
EN81-71, Vandal-resistant lifts, category 1	○
EN81-73:2016, Behaviour of lifts in the event of fire	○
EN81-72:2015, Fire service lift	○
KONE E-Link™	○
Automatic evacuation to nearest landing (EBD A)	○
<b>Eco-efficiency features</b>	
Regenerative drive	○*
Fluorescent car lighting	●
Car light standby (OCL A)	●
Ventilation standby (OCV A)	○
Signalisation dimming	●
Drive standby	○*
Corridor illuminating control (CIC)	○
<b>Accessibility features</b>	
EN81-70, Lifts for passengers with disabilities	○
Curtain of light (COL)	○
Passenger detector in door top beam	○
Lift announcer (ACU)	○
Door open with extended door time (DOE B)	○
Accurate leveling doors open (ACL/B)	●
Hospital emergency feature (HEL)	○
<b>Security features</b>	
Locking of car calls (LOC)	○
Priority call in car (PRC)	○

\* Please consult your KONE sales professional

Optional ○  
Standard ●

Lined area for notes on page 18.

Lined area for notes on page 19.



KONE provides innovative and eco-efficient solutions for lifts, 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 managing the smooth flow of people and goods throughout buildings.

This makes us a reliable partner throughout the life cycle of buildings. We are fast, flexible and we have a well-deserved reputation as a technology leader, with such innovations as KONE 24/7 Connected Services and KONE UltraRope®.

KONE employs over 57,000 dedicated experts to serve you globally and locally.

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