



# OPTIONS AND SHAFT DIMENSIONS 1.0-1.75 m/s; 320-1150 kg

KONE MonoSpace® 500

# KONE MONOSPACE® 500

Compliant with EN81-20 code

KONE MONOSPACE 500 DUTY RANGE			
Speed (m/s)	Load (kg)	Travel (m)	Stops
1	1150	55	21
1.6	1000	75	24
1.75	1000	75	24
1.6, 1.75	1150	65*	24
1.6, 1.75	1150	55**	24

\* If Single entrance car  
\*\* If Through type car

KONE MONOSPACE 500 MINIMUM HEADROOM HEIGHT (SH) ACCORDING TO CEILING TYPE				
Speed (m/s)	Standard ceiling (mm)	RL11, RL12 (mm)	CL88L, CL94L, CL162 (mm)	CL193 (mm)
1.0 (Without safety device)	CH + 1300	CH + 1220	CH + 1380	CH + 1330
1.6	CH + 1500	CH + 1420	CH + 1580	CH + 1530
1.75	CH + 1500	CH + 1420	CH + 1580	CH + 1530

Add 400 mm in case 1100 mm balustrade is needed.

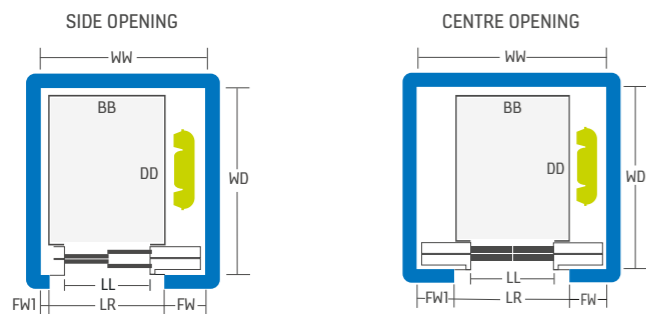
KONE MONOSPACE 500 PIT HEIGHT (PH)	
Speed (m/s)	Standard (mm)
1.0	1050
1.6	1200
1.75	1200
	Max 1550

- BB = CAR WIDTH
- DD = CAR DEPTH
- CH = CAR CLEAR HEIGHT
- FW = SIDE WALL MACHINE SIDE
- FW1 = SIDE WALL OPPOSITE MACHINE
- FW2 = SIDE WALL RIGHT - FRAME DOOR APPLICATION ONLY
- HH = DOOR CLEAR OPENING HEIGHT
- HR = DOOR RAW OPENING HEIGHT
- LL = DOOR CLEAR OPENING WIDTH
- LR = DOOR RAW OPENING WIDTH
- LA = FRONT PANEL WIDTH, LEFT
- LB = FRONT PANEL WIDTH, RIGHT
- WW = SHAFT WIDTH
- WD = SHAFT DEPT

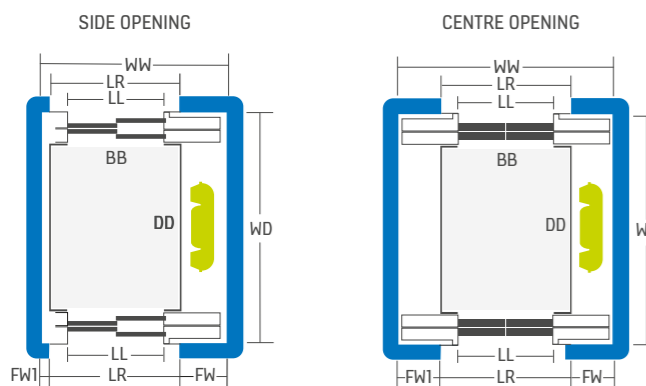
NOTE: More dimensions are available, please contact your KONE sales representative.

## FRAME AND NARROW FRAME DOOR TYPES

### SINGLE ENTRANCE CAR (SEC)

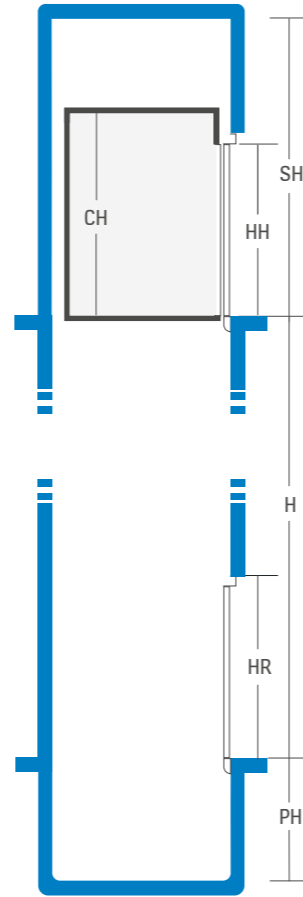


### THROUGH TYPE CAR (TTC)

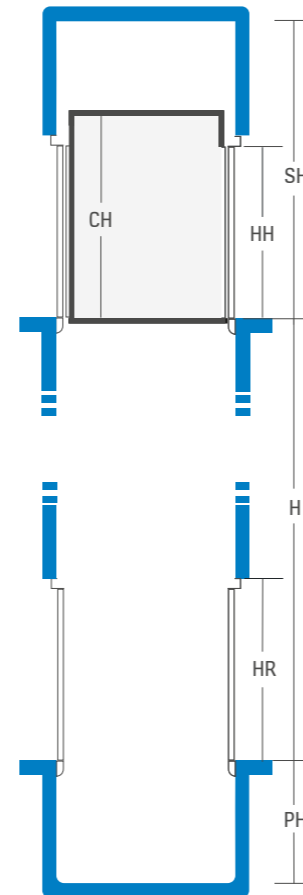


Frame widths:  
Frame door: 120 mm  
Narrow frame: 50 mm

### SINGLE ENTRANCE SHAFT



### THROUGH TYPE SHAFT



## FRAMELESS\*, FRAME AND FRONT DOORS (Single entrance and through type cars)

### SIDE OPENING DOORS

Rated speed m/s	Rated load kg	Persons	BB mm	DD mm	LL mm	WW min. mm	WD min. mm		Shaft wall width, frameless* doors			Shaft wall width, frame doors			Shaft wall width, front doors				
							SEC	TTC	FW mm	FW1 mm	LR mm	FW mm	FW1 mm	LR mm	LA mm	LB mm	LR mm		
1.0	1.0	1.0	320	4	750	1100	600	1220	1500	n.a	420	200	600	270 <sup>1)</sup>	50 <sup>1)</sup>	900 <sup>1)</sup>	n.a	n.a	n.a
1.0	1.0	1.0	320	4	750	1100	700	1300	1500	n.a	420	180	700	270	30	1000	390	150	1300
1.0	1.0	1.0	400	4	800	1200	600	1270	1600	1810	470	200	600	320 <sup>1)</sup>	50 <sup>1)</sup>	900 <sup>1)</sup>	n.a	n.a	n.a
1.0	1.0	1.0	400	4	800	1200	700	1300	1600	1810	420	180	700	270	30	1000	390	150	1300
1.0	1.6	1.75	400	5	950	1100	700	1420	1500	1710	420	300	700	270	150	1000	390	270	1420
1.0	1.6	1.75	400	5	950	1100	800	1450	1500	1710	470	180	800	320	30	1100	440	150	1450
1.0	1.6	1.75	450	6	1000	1200	800	1470	1600	1810	470	200	800	320	50	1100	440	170	1470
1.0	1.6	1.75	450 <sup>2)</sup>	6	1000	1200	900	1600	1600	1810	520	180	900	370	30	1200	490	150	1600
1.0	1.6	1.75	480	6	950	1300	700	1420	1700	1910	420	300	700	270	150	1000	390	270	1420
1.0	1.6	1.75	480	6	950	1300	800	1450	1700	1910	470	180	800	320	30	1100	440	150	1450
1.0	1.6	1.75	480 <sup>2)</sup>	6	950	1300	900	1600	1700	1910	520	180	900	370	30	1200	490	150	1600
1.0	1.6	1.75	480	6	1000	1250	800	1470	1650	1860	470	200	800	320	50	1100	440	170	1470
1.0	1.6	1.75	480 <sup>2)</sup>	6	1000	1250	900	1600	1650	1860	520	180	900	370	30	1200	490	150	1600
1.0	1.6	1.75	630	8	1100	1400	800	1570	1800	2010	470	300	800	320	150	1100	440	270	1570
1.0	1.6	1.75	630	8	1100	1400	900	1600	1800	2010	520	180	900	370	30	1200	490	150	1600
1.0	1.6	1.75	680	8	1130	1400	800	1600	1800	2010	500	300	800	350	150	1100	470	270	1600
1.0	1.6	1.75	680	8	1130	1400	900	1600	1800	2010	520	180	900	370	30	1200	490	150	1600
1.0	1.6	1.75	680 <sup>2)</sup>	8	1130	1400	1000	1750	1800	2010	570	180	1000	420	30	1300	540	150	1750
1.0	1.6	1.75	680	9	1200	1400	900	1670	1800	2010	570	200	900	420	50	1200	540	170	1670
1.0	1.6	1.75	800	10	1350	1400	800	1850	1800	2010	650	400	800	500	250	1100	n.a	n.a	n.a
1.0	1.6	1.75	800	10	1350	1400	900	1850	1800	2010	650	300	900	500	150	1200	n.a	n.a	n.a
1.0	1.6	1.75	800	10	1350	1400	1000	1850	1800	2010	650	200	1000	500	50	1300	n.a	n.a	n.a
1.0	1.6	1.75	900	12	1400	1500	800	1900	1900	2110	550	550	800	400	400	1100	520	520	1900
1.0	1.6	1.75	900	12	1400	1500	900	1900	1900	2110	600	400	900	450	250	1200	570	370	1900
1.0	1.6	1.75	900	12	1400	1500	1000	1900	1900	2110	600	300	1000	450	150	1300	570	270	1900
1.0	1.6	1.75	1000	13	1100	2100	800	1600	2500	2710	500	300	800	350	150	1100	470	270	1600
1.0	1.6	1.75	1000	13	1100	2100	900	1600	2500	2710	520	180	900	370	30	1200	490	150	1600
1.0	1.6	1.75	1000 <sup>2)</sup>	13	1100	2100	1000	1750	2500	2710	570	180	1000	420	30	1300	540	150	1750
1.0	1.6	1.75	1000	13	1300	1700	900	1800	2100	2310	600	300	900	450	150	1200	570	270	1800
1.0	1.6	1.75	1000	13	1300	1700	1000	1800	2100	2310	600	200	1000	450	50	1300	570	170	1800
1.0	1.6	1.75	1000	13	1400	1600	900	1900	2000	2210	600	400	900	450	250	1200	570	370	1900
1.0	1.6	1.75	1000	13	1400	1600	1000	1900	2000	2210	600	300	1000	450	150	1300	570	270	1900
1.0	1.6	1.75	1000	13	1450	1550	900	1950	1950	2160	650	400	900	500	250	1200	n.a	n.a	n.a
1.0	1.6	1.75	1000	13	1450	1550	1000	1950	1950	2160	650	300	1000	500	150	1300	n.a	n.a	n.a
1.0	1.6	1.75	1150	15	1200	2100	900	1700	2500	2710	600	200	900	450	50	1200	570	170	1700
1.0	1.6	1.75	1150	15	1200	2100	1000	1750	2500	2710	570	180	1000	420	30	1300	540	150	1750
1.0	1.6	1.75	1150 <sup>2)</sup>	15	1200	2100	1100	1900	2500	2710	620	180	1100	470	30	1400	590	150	1900
1.0	1.6	1.75	1150	15	1400	1850	900	1900	2250	2460	600	400	900	450	250	1200	570	370	1900
1.0	1.6	1.75	1150	15	1400	1850	1000	1900	2250	2460	600	300	1000	450	150	1300	570	270	1900
1.0	1.6	1.75	1150	15	1400	1850	1100	1900	2250	2460	620	180	1100	470	30	1400	590	150	1900

\* Frameless doors not offered in the UK due to lack of fire rating

<sup>1)</sup> These values are only available for KES 201, <sup>2)</sup> In case of EN81-20, balustrade HK 1100 needed on min shaft, with + 400 mm impact on min SH. Shaft tolerances +/- 25 mm are included in shaft dimensions.

### CENTRE OPENING DOORS

Rated speed m/s	Rated load kg	Persons	BB mm	DD mm	LL mm	WW min. mm	WD min. mm.		Shaft wall width, frameless* doors			Shaft wall width, frame doors			Shaft wall width, front doors			
							SEC	TTC	FW mm	FW1 mm	LR mm	FW mm	FW1 mm	LR mm	LA mm	LR mm		
1.0	1.6	1.75	630	8	1100	1400	800	1740	1700	1810	470	470	800	320	320	1100	n.a	n.a
1.0	1.6	1.75	630 <sup>1)</sup>	8	1100	1400	900	1940	1700	1810	520	520	900	370	370	1200	490	1940
1.0	1.6	1.75	630 <sup>1)</sup>	8	1100	1400	1000	2140	1700	1810	570	570	1000	420	420	1300	540	2140
1.0	1.6	1.75	800	10	1350	1400	800	1840	1700	1810	520	520	800	370	370	1100	n.a	n.a
1.0	1.6	1.75	800	10	1350	1400	900	1940	1700	1810	520	520	900	370	370	1200	490	1940
1.0	1.6	1.75	900	12	1400	1500	800	1900	1800	1910	550	550	800	400	400	1100	520	1900
1.0	1.6	1.75	900	12	1400	1500	900	1940	1800	1910	520	520	900	370	370	1200	490	1940
1.0	1.6	1.75	1000	13	1100	2100	800	1740	2400	2510	470	470	800	320	320	1100	n.a	n.a
1.0	1.6	1.75	1000 <sup>1)</sup>	13	1100	2100	900	1940	2400	2510	520	520	900	370	370	1200	490	1940
1.0	1.6	1.75	1000 <sup>1)</sup>	13	1100	2100	1000	2140	2400	2510	570	570	1000	420	420	1300	540	2140
1.0	1.6	1.75	1000 <sup>1)</sup>	13	1300	1700	900	1940	2000	2110	520	520	900	370	370	1200	490	1940
1.0	1.6	1.75	1000 <sup>1)</sup>	13	1300	1700	1000	2140	2000	2110	570	570	1000	420	420	1300	540	2140
1.0	1.6	1.75	1000 <sup>1)</sup>	13	1400	1600	1100	2340	1900	2010	570	570	1000	420	420	1300	540	2140
1.0	1.6	1.75	1000	13	1450	1550	900	1940	1850	1960	520	520	900	370	370	1200	490	1940
1.0	1.6	1.75	1000	13														

## NARROW FRAME DOORS (Single entrance and through type cars)

### SIDE OPENING DOORS

											SHAFT WALL WIDTH, NARROW FRAME TYPE DOORS						
						KES 600	KES 800	WD min. mm		KES 600			KES 800				
Rated speed m/s	Rated load kg	Persons	BB mm	DD mm	LL mm	WW min. mm	WW min. mm	SEC	TTC	FW mm	FW1 mm	LR mm	FW mm	FW1 mm	LR mm		
1.0	1.0	1.0	320	4	750	1100	700	1300	1350	1500	n.a	345	105	850	350	150	850
1.0	1.0	1.0	400	4	800	1200	700	1300	1350	1600	1810	345	105	850	350	150	850
1.0	1.6	1.75	400	5	950	1100	700	1420	1425	1500	1710	345	225	850	350	225	850
1.0	1.6	1.75	400	5	950	1100	800	1450	1500	1500	1710	395	105	950	400	150	950
1.0	1.6	1.75	450	6	1000	1200	800	1470	1500	1600	1810	395	125	950	400	150	950
1.0	1.6	1.75	450 <sup>1)</sup>	6	1000	1200	900	1600	1650	1600	1810	445	105	1050	450	150	1050
1.0	1.6	1.75	480	6	950	1300	700	1420	1425	1700	1910	345	225	850	350	225	850
1.0	1.6	1.75	480	6	950	1300	800	1450	1500	1700	1910	395	105	950	400	150	950
1.0	1.6	1.75	480 <sup>1)</sup>	6	950	1300	900	1600	1650	1700	1910	445	105	1050	450	150	1050
1.0	1.6	1.75	480	6	1000	1250	800	1470	1500	1650	1860	395	125	950	400	150	950
1.0	1.6	1.75	480 <sup>1)</sup>	6	1000	1250	900	1600	1650	1650	1860	445	105	1050	450	150	1050
1.0	1.6	1.75	630	8	1100	1400	800	1570	1575	1800	2010	395	225	950	400	225	950
1.0	1.6	1.75	630	8	1100	1400	900	1600	1650	1800	2010	445	105	1050	450	150	1050
1.0	1.6	1.75	680	8	1130	1400	800	1600	1600	1800	2010	425	225	950	425	225	950
1.0	1.6	1.75	680	8	1130	1400	900	1600	1650	1800	2010	445	105	1050	450	150	1050
1.0	1.6	1.75	680 <sup>1)</sup>	8	1130	1400	1000	1750	1800	1800	2010	495	105	1150	500	150	1150
1.0	1.6	1.75	680	9	1200	1400	900	1670	1695	1800	2010	495	125	1050	495	150	1050
1.0	1.6	1.75	800	10	1350	1400	800	1850	1840	1800	2010	575	325	950	565	325	950
1.0	1.6	1.75	800	10	1350	1400	900	1850	1840	1800	2010	575	225	1050	565	225	1050
1.0	1.6	1.75	800	10	1350	1400	1000	1850	1865	1800	2010	575	125	1150	565	150	1150
1.0	1.6	1.75	900	12	1400	1500	800	1900	1890	1900	2110	475	475	950	465	475	950
1.0	1.6	1.75	900	12	1400	1500	900	1900	1890	1900	2110	525	325	1050	515	325	1050
1.0	1.6	1.75	900	12	1400	1500	1000	1900	1890	1900	2110	525	225	1150	515	225	1150
1.0	1.6	1.75	1000	13	1100	2100	800	1600	1590	2500	2710	425	225	950	415	225	950
1.0	1.6	1.75	1000	13	1100	2100	900	1600	1650	2500	2710	445	105	1050	450	150	1050
1.0	1.6	1.75	1000 <sup>1)</sup>	13	1100	2100	1000	1750	1800	2500	2710	495	105	1150	500	150	1150
1.0	1.6	1.75	1000	13	1300	1700	900	1800	1790	2100	2310	525	225	1050	515	225	1050
1.0	1.6	1.75	1000	13	1300	1700	1000	1800	1815	2100	2310	525	125	1150	515	150	1150
1.0	1.6	1.75	1000	13	1400	1600	900	1900	1890	2000	2210	525	325	1050	515	325	1050
1.0	1.6	1.75	1000	13	1400	1600	1000	1900	1890	2000	2210	525	225	1150	515	225	1150
1.0	1.6	1.75	1000	13	1450	1550	900	1950	1940	1950	2160	575	325	1050	565	325	1050
1.0	1.6	1.75	1000	13	1450	1550	1000	1950	1940	1950	2160	575	225	1150	565	225	1150
1.0	1.6	1.75	1150	15	1200	2100	900	1700	1715	2500	2710	525	125	1050	515	150	1050
1.0	1.6	1.75	1150	15	1200	2100	1000	1750	1800	2500	2710	495	105	1150	500	150	1150
1.0	1.6	1.75	1150 <sup>1)</sup>	15	1200	2100	1100	1900	1950	2500	2710	545	105	1250	550	150	1250
1.0	1.6	1.75	1150	15	1400	1850	900	1900	1890	2250	2460	525	325	1050	515	325	1050
1.0	1.6	1.75	1150	15	1400	1850	1000	1900	1890	2250	2460	525	225	1150	515	225	1150
1.0	1.6	1.75	1150	15	1400	1850	1100	1900	1950	2250	2460	545	105	1250	550	150	1250

<sup>1)</sup> In case of EN81-20, balustrade HK 1100 needed on min shaft, with + 400 mm impact on min SH.  
Shaft tolerances +/- 25 mm are included in shaft dimensions.

## KES 100 SLIM DOORS (Single entrance and through type cars)

### SIDE OPENING DOORS

											WD min. mm		Shaft wall width, frameless* doors			Shaft wall width, frame doors			Shaft wall width, front doors		
Rated speed m/s	Rated load kg	Persons	BB mm	DD mm	LL mm	WW min. mm	SEC	TTC	FW mm	FW1 mm	LR mm	FW mm	FW1 mm	LR mm	FW mm	FW1 mm	LR mm	LA mm	LB mm	LR mm	
1.0	1.0	1.0	320	4	750	1100	600	1220	1450	n.a	420	200	600	290	70	860	390	170	1220		
1.0	1.0	1.0	320	4	750	1100	700	1230	1450	n.a	350	180	700	220	50	960	320	150	1230		
1.0	1.0	1.0	400	4	800	1200	600	1270	1550	1750	470	200	600	340	70	860	n.a	n.a	n.a		
1.0	1.0	1.0	400	4	800	1200	700	1280	1550	1750	400	180	700	270	50	960	370	150	1280		
1.0	1.6	1.75	400	5	950	1100	700	1420	1450	1650	420	300	700	290	170	960	390	270	1420		
1.0	1.6	1.75	400	5	950	1100	800	1430	1450	1650	450	180	800	320	50	1060	420	150	1430		
1.0	1.6	1.75	450	6	1000	1200	800	1470	1550	1750	470	200	800	340	70	1060	n.a	n.a	n.a		
1.0	1.6	1.75	450	6	1000	1200	900	1500	1550	1750	420	180	900	290	50	1160	390	150	1500		
1.0	1.6	1.75	480	6	950	1300	700	1420	1650	1850	420	300	700	290	170	960	390	270	1420		
1.0	1.6	1.75	480	6	950	1300	800	1430	1650	1850	450	180	800	320	50	1060	420	150	1430		
1.0	1.6	1.75	480	6	950	1300	900	1430	1650	1850	350	180	900	220	50	1160	320	150	1430		
1.0	1.6	1.75	480	6	1000	1250	800	1470	1600	1800	470	200	800	340	70	1060	n.a	n.a	n.a		
1.0	1.6	1.75	480	6	1000	1250	900	1480	1600	1800	400	180	900	270	50	1160	370	150	1480		
1.0	1.6	1.75	630	8	1100	1400	800	1570	1650	1850	470	300	800	340	170	1060	n.a	n.a	n.a		
1.0	1.6	1.75	630	8	1100	1400	900	1570	1750	1950	495	175	900	365	45	1160	n.a	n.a	n.a		
1.0	1.6	1.75	680	9	1130	1400	800	1600	1750	1950	500	300	800	370	170	1060	n.a	n.a	n.a		
1.0	1.6	1.75	680	9	1130	1400	900	1600	1750	1950	520	180	900	390	50	1160	n.a	n.a	n.a		
1.0	1.6	1.75	680	9	1200	1400	900	1670	1750	1950	570	200	900	440	70	1160	n.a	n.a	n.a		
1.0	1.6	1.75	800	10	1350	1400	800	1840	1750	1950	640	400	800	510	270	1060	n.a	n.a	n.a		
1.0	1.6	1.75	800	10	1350	1400	900	1840	1750	1950	640	300	900	510	170	1160	n.a	n.a	n.a		
1.0	1.6	1.75	900	12	1400	1500	800	1890	1850	2050	540	550	800	410	420	1060	n.a	n.a	n.a		
1.0	1.6	1.75	900	12	1400	1500	900	1890	1850	2050	590	400	900	460	270	1160	n.a	n.a	n.a		
1.0	1.6	1.75	1000	13	1100	2100	800	1590	2450	2650	490	300	800	360	170	1060	n.a	n.a	n.a		
1.0	1.6	1.75	1000	13	1100	2100	900	1590	2450	2650	520	170	900	390	40	1160	n.a	n.a	n.a		
1.0	1.6	1.75	1000	13	1300	1700	900	1790	2050	2250	590	300	900	460	170	1160	n.a	n.a	n.a		
1.0	1.6	1.75	1000	13	1400	1600	900	1890	1950	2150	590	400	900	460	270	1160	n.a	n.a	n.a		
1.0	1.6	1.75	1000	13	1450	1550	900	1940	1900	2100	640	400	900	510	270	1160	n.a	n.a	n.a		
1.0	1.6	1.75	1150	15	1200	2100	900	1690	2450	2650	590	200	900	460	70	1160	n.a	n.a	n.a		
1.0	1.6	1.75	1150	15	1400	1850	900	1890	2200	2400	590	400	900	460	270	1160	n.a	n.a	n.a		

\* Frameless doors not offered in the UK due to lack of fire rating  
Shaft tolerances +/- 25 are included in WW dimensions  
Sill fixing of KES 100 doors allows WD tolerance of -25/+20 mm.

### CENTRE OPENING DOORS

											SHAFT WALL WIDTH, NARROW FRAME DOORS						
						KES 600	KES 800	WD min. mm		KES 600			KES 800				
Rated speed m/s	Rated load kg	Persons	BB mm	DD mm	LL mm	WW min. mm	WW min. mm	SEC	TTC	FW mm	FW1 mm	LR mm	FW mm	FW1 mm	LR mm		
1.0	1.6	1.75	630	8	1100	1400	800	1740	1750	1700	1810	395	395	950	400	400	950
1.0	1.6	1.75	630 <sup>1)</sup>	8	1100	1400	900	1940	1950	1700							



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 MonoSpace®, KONE NanoSpace™ and KONE UltraRope®.

KONE employs over 55,000 dedicated experts to serve you globally and locally.

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