

A full-page photograph of a male doctor in a hospital hallway. He is wearing a light pink shirt, a dark red tie, and a white lab coat draped over his left arm. A stethoscope is around his neck, and he is holding a blue clipboard. He is looking upwards and to the left. The hallway has a modern, metallic finish with recessed lighting in the ceiling. On the left wall, there is an elevator control panel with a sign that says "2↑" and "1020".

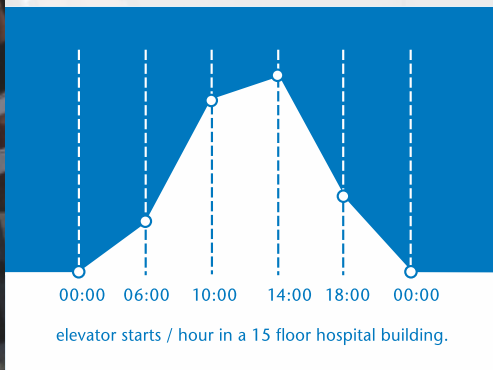
PEOPLE FLOW SOLUTION IN MEDICAL FACILITIES

KONE Bed Elevator



Understanding the flow of people and goods in hospitals

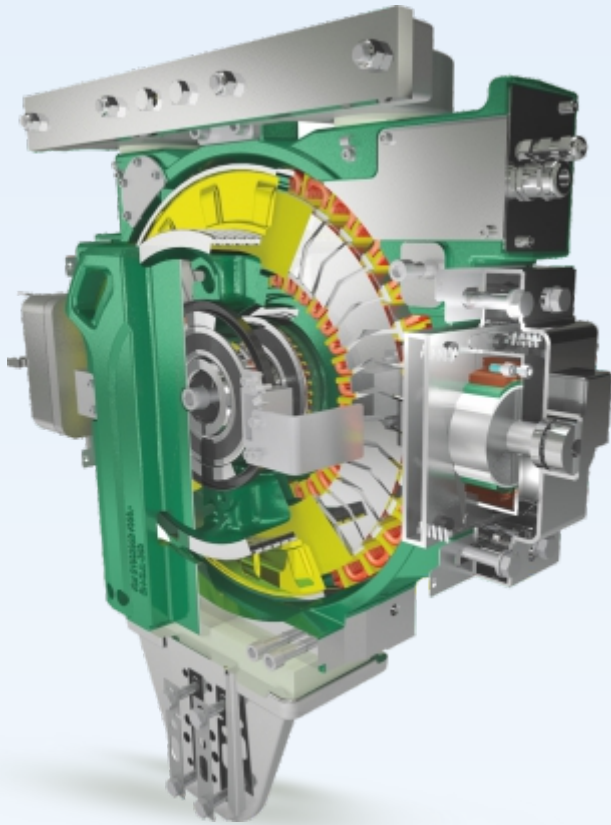
In hospitals the elevators are in constant use through day and night, every day of the week. A sudden increase in elevator service may occur during lunch time or visiting hours. These and even extreme conditions such as a possible evacuation of the building need to be analyzed and simulated during the planning phase.



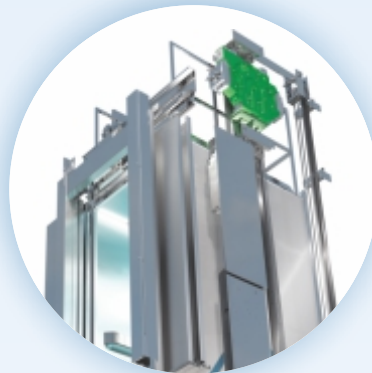
Designed especially for hospitals

In modern healthcare facilities, elevators need to move patients and staff smoothly and safely. KONE offers a full range of specially developed bed elevators for optimum performance in the highly demanding environment of patient transportation. A wide range of car dimensions is available for the varying requirements of a modern hospital.

KONE Bed Elevator	
Application	Machine room and Machine-room less
Max Speed	1.75m/s
Max Travel	75 m
Max no. of stops	Upto 24
Capacity	1020 Kg (15P) 1360 Kg (20P) 1768 Kg (26P)
Max Group Size	4
Signalization	KDS 90, KDS 93, KDS 96



KONE EcoDisc® the pioneer in gearless technology



Centralized hoisting system for minimized noise & vibration

The revolutionary KONE EcoDisc offers a centralized and low friction hoisting of the cars. This significantly reduces vibration and noise levels, and minimizes disturbances to the surrounding area even at higher power and speed.

The motor control system with greater efficiency offers smooth acceleration and deceleration and a highly accurate car levelling. Together they uplift the sheer ride comfort of your building users.

Specialized car design – to accommodate the bed and medical equipment, with wide-opening doors and deeper car

Smooth entry & exit – precise leveling for easy entry of wheelchairs, beds and patients

Priority/emergency calls – for immediate availability during emergency situations

Quiet operation – to prevent disturbance to patients in wards adjacent to the elevator shaft

Hygiene – easy-to-clean, durable wall and floor materials

Clear signalization – for easy access and use

Environmental friendly and cost-effective – KONE Bed elevators equipped with the energy efficient KONE EcoDisc® – hoisting machine are 50-70% more efficient than elevators that uses conventional traction technology. This helps in optimizing your investment throughout the lifetime of the equipment.

Safety and Comfort – From advance door sensors using curtain of light to ensure safe door movement to smooth acceleration, deceleration and stop using advanced vector control variable frequency drives, safety and comfort of patients and passengers is the driving spirit of design.

1 Better machinery & brakes

The brake testing mechanism automatically checks brake conditions every day. This helps further improve user safety and reliability.

2 Ease of checking

Proven rope technology makes it easy to inspect and check the equipment to ensure operational safety at all times.

3 Passenger confidence

A curtain of light to ensure safe entry and exit of the car. Accurate landing that eliminates risk of tripping.

4 Improved Safety

Power operated car door equipped with car door lock as a standard feature for hassle-free user experience. Other options like Automatic Rescue Device ensure a high level of user safety.

1 hour Fire rated steel Landing doors ensures protection against fire.

Enabling sustainability with green solutions



Through renowned and revolutionary eco-efficient technologies, KONE supports the transformation of urban spaces into smart eco-cities and low-carbon communities. KONE Bed elevator is the most energy efficient solution that enables your mid range buildings to become greener and also in achieving green building accreditations.

Buildings consume about 40% of the world's energy and elevators account for 2 to 10% of energy consumed by the building. The major Corporate Social Responsibility of KONE is to strive towards sustainable urban environment for future generations.

Efficient hoisting motor saves more energy

The KONE EcoDisc® hoisting motor and highly efficient drive system saves 28% more energy, helping to reduce both operating costs and your building's carbon footprint.

Regenerative drive for energy reuse

KONE regenerative drive, an optional feature that recycles energy for any immediate reuse within the building helps further reduce energy consumption by 20% as compared to a non-regenerative solution.

Advanced stand-by solutions

KONE Bed elevator comes with stand-by mode solutions that saves energy when the elevator remains idle. Automatic car light and fan on/off operations and power sleep mode provides substantial energy savings.



Partnering with you every step of the way

KONE Bed elevator comes with comprehensive support from KONE, a partner with more than a century of experience in delivering elevator solutions. KONE partners with you through every step of the way, right from planning and designing, installation and maintenance to modernization and enabling better people flow for the entire life cycle of your buildings.

Ease of planning with KONE experts

The KONE team offers expert advice during planning stage to provide you the right elevator solution based on your building traffic & energy consumption with globally proven tools that calculate important parameters like traffic volume, energy needs and design possibilities.

Efficient installation that builds confidence

- KONE brings its project management expertise to the fore, during every phase of the construction cycle.
- KONE scaffoldless method ensures safe & hassle free installation. Strict quality criteria are followed at every step of the project.
- Maximum safety on-site is ensured through uncompromising procedure such as site audits, 5S and installation safety passport.
- KONE installation team work hand in hand with your project team to ensure timely delivery and completion.

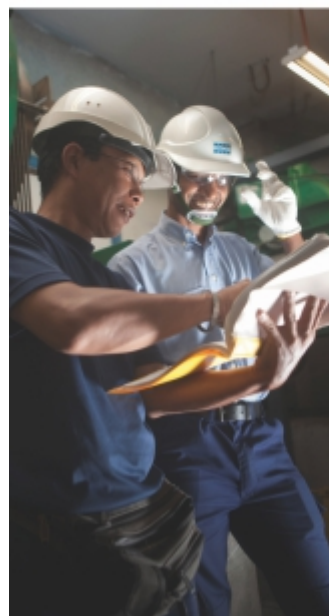
Trusted maintenance partner for a lifetime

Preventive KONE Care™ Maintenance solution ensures that the elevators perform to their optimum, at all times and all days. With a nationwide service network and 24/7 service centre, our technicians are just round the corner.



Ride Quality Test

Every elevator is handed over to the customer only after passing thorough and comprehensive testing that ensures its Ride Quality. With KONE, you can always be sure of highly set standards.



We're from KONE
We Take Care

DX

CONNECTING MORE THAN FLOORS

KONE DX Class Elevators

A new era of digitally connected elevators with built-in connectivity as standard

Enabling autonomous & touchless movement
in multi-specialty hospitals

Elevator integrated robots are here to serve staff and patients in a multitude of ways, making hospital operations and management smarter, more efficient and future-proof. As Autonomous Mobile Robots/ Robotic Software Solutions are integrated through KONE API & KONE Ecosystem Partners, transportation tasks such as moving medicines across the hospital floors, assisting the patients, cleaning and sanitization of the premises are made simpler and efficient.

The mobile robots can automatically call the Elevator through API integration.

Medicine transportation
Robots



Cleaning & Disinfection
Robots



Patient Care Assistant
Robots



THE FUTURE IS NOW AND HERE

KONE U MonoSpace® DX

KONE U MiniSpace™ DX



Scan this QR code to know how
KONE DX class Elevators boost building intelligence

Visual options



MIBSL010 - SS Hairline



MIBSL008



MIBSL010 - Moonrock / Vandal Proof

Ceilings



CL97 Square spot

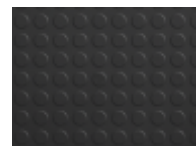


CL95

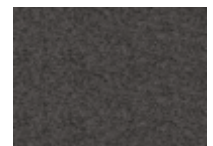
Floors material



RC21 - Rubber flooring
Denver Gray (Antiskid)



RC6 - Rubber flooring
Dallas Black (Antiskid)



Cloud (VF30)

Buffer rail



Rubber (BR3)

Signalisations

KDS90

KDS93

COP

Landing Devices



Flush Mounted



Simplex LCI



Duplex LCI

Surface Mounted



Simplex LCI



Duplex LCI

Full height
Flush mounted
(Also available
with flush buttons)

COP



Segmented
LCD display

Display



5.6 inch
full color
display



10.4 inch
full color
display



5.7 inch
segmented
LCD display



9 inch
segmented
LCD display



Dot matrix
display

Buttons



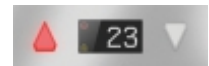
Black glass buttons



Silver stainless steel
with braille buttons

Landing Devices

Flush / Surface mounted



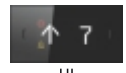
HLI



HLI - Dot Matrix



HL



HI



HI - Dot Matrix



LCS



LCI - Dot Matrix
Simplex



LCI Duplex



LCI

KDS96

COP



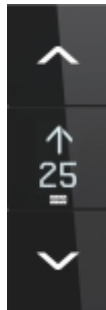
Full height flush mounted touch COP

Landing Devices

Flush mounted



Touch bottom floor LCI



Touch intermediate floor LCI



Touch top floor LCI

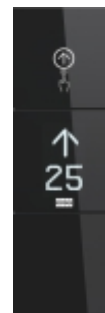
COP



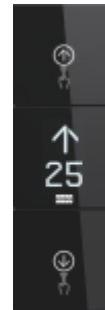
Full height flush mounted touchless COP

Landing Devices

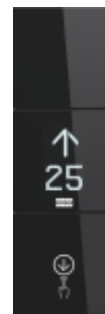
Flush mounted



Touchless bottom floor LCI



Touchless intermediate floor LCI



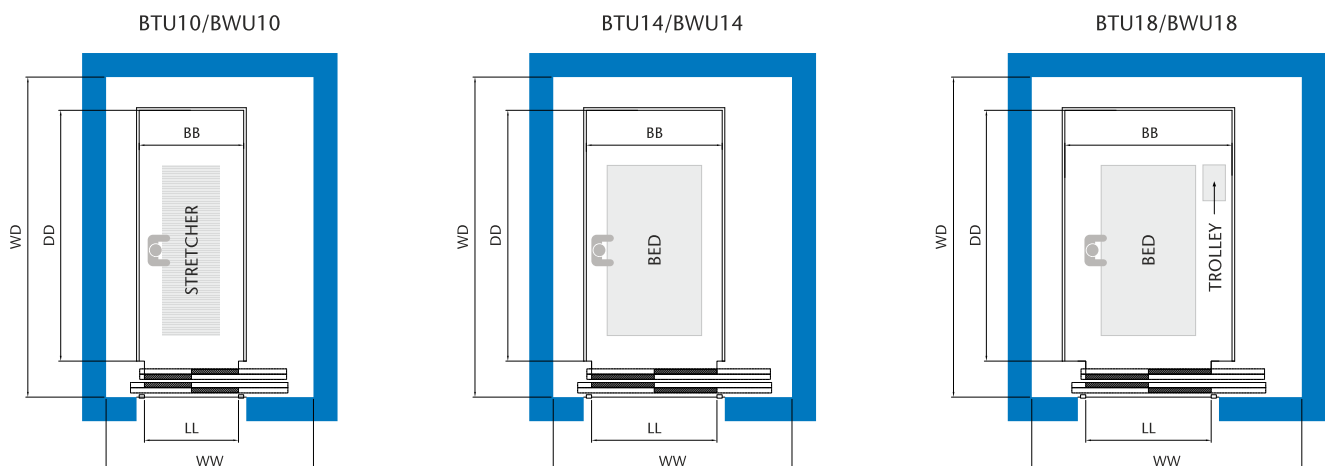
Touchless top floor LCI

Car and shaft dimensions

KONE Bed Elevator - MR							
Capacity	Number of Persons	Rated Load (kg)	Car Internal dimensions (mm)		Clear Opening (mm)	Hoistway Internal dimensions for Side Opening Door (mm)	
			BB	DD		LL	WW
BTU10	15	1020	1000	2400	800	1625	2850
					900	1700	2850
BTU14	20	1360	1300	2400	1000	2025	2850
					1100	2050	2850
					1200	2200	2850
BTU18	26	1768	1600	2400	1000	2325	2850
					1100	2325	2850
					1200	2325	2850

KONE Bed Elevator - MRL							
Capacity	Number of Persons	Rated Load (kg)	Car Internal dimensions (mm)		Clear Opening (mm)	Hoistway Internal dimensions for Side Opening Door (mm)	
			BB	DD		LL	WW
BWU10	15	1020	1000	2400	800	1625	2850
					900	1700	2850
BWU14	20	1360	1300	2400	1000	2000	2850
					1100	2025	2850
					1200	2175	2850
BWU18	26	1768	1600	2400	1000	2300	2850
					1100	2300	2850
					1200	2300	2850

- Note**
- All shaft measurements specified are taken over plaster
 - Shaft dimensions are to be maintained to a tolerance of 0, +25mm
 - Separator channel can be provided if shaft exceeds maximum dimension
 - If Counterweight Safety Gear is selected, travel > 75 m, add 300 mm to Min WD
 - If Counterweight Safety Gear is selected, travel > 75 m, add 500 mm to Min WD
 - Same dimensions are applicable for both RH and LH doors
 - The doors are side-opening. According to the shaft size maximum door width can be chosen from the table to facilitate movement of stretcher and beds



- Note**
- Typically bed elevators can be planned to accommodate an attendant and a stretcher or a bed or a bed with a trolley. Based on the need, the right size of the car has to be chosen
 - Where wheel chairs are used and there is a need to turn the wheel chair inside the elevator car, a minimum width of 1525 mm is recommended
 - Ensure the sufficient Lobby space for handling the stretcher

Headroom Height and Pit Depth

KONE Bed Elevator - MR						
Elevator Specification	BTU10		BTU14		BTU18	
Speed	1	1.6 & 1.75	1	1.6 & 1.75	1	1.6 & 1.75
Standard Car Inside Height (CH), mm	2200, 2300, 2400, 2500, 2600 & 2700		2200, 2300, 2400, 2500, 2600 & 2700		2200, 2300, 2400, 2500, 2600 & 2700	
Standard Door Height (HH), mm	2000, 2100, 2200, 2300 & 2400		2000, 2100, 2200, 2300 & 2400		2000, 2100, 2200, 2300 & 2400	
Maximum Travel (H), mm	55	75	55	75	55	75
Standard Pit Height (PH), mm	1250	1400	1600	1800	1600	1800
Standard Headroom Height (SH), mm	CH+1600	CH+1800	CH+1800	CH+2000	CH+1800	CH+2000
West Bengal Headroom Height (SH), mm	CH+1850	CH+2050	CH+2050	CH+2250	CH+2050	CH+2250

KONE Bed Elevator - MRL						
Elevator Specification	BWU10		BWU14		BWU18	
Speed	1	1.6 & 1.75	1	1.6 & 1.75	1	1.6 & 1.75
Standard Car Inside Height (CH), mm	2200, 2300, 2400, 2500, 2600 & 2700		2200, 2300, 2400, 2500, 2600 & 2700		2200, 2300, 2400, 2500, 2600 & 2700	
Standard Door Height (HH), mm	2000, 2100, 2200, 2300 & 2400		2000, 2100, 2200, 2300 & 2400		2000, 2100, 2200, 2300 & 2400	
Maximum Travel (H), mm	55	75	55	75	55	75
Standard Pit Height (PH), mm	1525	1650	1750	1800	1750	1800
Standard Headroom Height (SH), mm	CH+1600	CH+1800	CH+1800	CH+2000	CH+1800	CH+2000
West Bengal Headroom Height (SH), mm	CH+1850	CH+2050	CH+2050	CH+2250	CH+2050	CH+2250

Features

Standard Features

CEL	Car Emergency Lighting
FRD	Fireman's Drive
COD	Correction drive to next level
ABE M	Alarm Bell
DCB	Door close button
DOB	Door open button
SRC	Curtain of light in car
CCB	Car call backwards
OLF C	Overload function, constant indication/buzzer
ISE C	Dedicated Intercom/Provision for External Intercom
	car-Machine room-control room
ATS IN	Attendant service, India
ADO/ACL B	Advance door opening, accurate releveling, automatic, opened door
PRC	Priority call in car

Optional Features

EBD A	Emergency Battery Drive Automatic
NUD NB	Nudging
PAD C	Parking at pre-defined floor, door closed
ACU	Lift Announcer (LAS)
ELF	Extra long floors
BMS	Building Management System
FET	Floor extension Top
FEB	Floor extension Bottom
EAQ	Earthquake sensing**
WSC	Water sensing contact in Pit**
FCC	False car cancelling
GOC	Gong on car
CRB	Car call registering buzzer
PRL HA	Priority At Landings, High Priority, All Car Calls, No Indication
LOC/LOL	Locking of Car Call & Locking of Landing Call

Optional Offerings

Access Control Interface	K-Guard
CC TV interface	Re-Generative Drive
Window Glass door	Counterweight Safety Gear
Braille button options	

Energy Saving Features (Standard)

OCL	Operation of car light - automatic
OCV	Operation of car ventilation impulse and automatic
BLF	Bypass load function

Note | ** Either one of EAQ/WSC could only be offered

KONE provides innovative and ecoefficient solutions for elevators, escalators 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. We are the 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® DX, KONENanoSpace™ and KONE UltraRope®.

KONE employs close to 60,000 dedicated experts to serve you globally and locally. KONE India, with a nation-wide network and over 5,000 employees, is committed to add value to the entire life cycle of any building with innovative products and solutions.

KONE Elevator India Private Limited

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