KONE Medical elevators

VISUAL OPTIONS, CAR AND SHAFT DIMENSIONS FOR

KONE Medical elevators
KONE elevator solutions for medical applications

Elevators are essential for ensuring the smooth flow of people and goods in the hospital. KONE provides a full range of elevator solutions for staff, patients, visitors, supplies and equipment. When designing solutions for the medical environment, the objectives are utmost reliability, safety and energy-efficiency, which lower the cost of ownership and the environmental impact. In hospital environments special attention is paid to hygiene. Materials have been carefully selected to be aesthetically pleasing and easy to clean.

Customer benefits of KONE medical elevators:

Energy efficient and cost-effective
- Energy efficient drives and hoisting systems with regenerative features
- Energy-saving LED and fluorescent lighting solutions
- Standby solutions to save energy when equipment is not in use

Efficient management of people and goods flow
- Centralized elevator and escalator monitoring, command and management; exchange of data between systems, with KONE E-Link™
- Easy exchange of data and integration with other facility management systems through open standard interfaces

Safe, smooth and reliable
- Accurate leveling to improve safety, comfort and ease of use, important for elderly and disabled people and when loading beds and trolleys
- Reliable, permanent magnet based gearless KONE EcoDisc® hoisting units with excellent track record, more than 800 000 units in operation globally
- Strictest requirements for electromagnetic compatibility: EN-12015 and EN-12016
- Complies with the European standard EN81-70 relating to disabled access

Space-efficient construction
- KONE machine-room-less elevators save space, allowing more room for patient care and giving architectural freedom for design
- No need for a machine room on the roof, allowing flat roof structures. Helipad elevators can operate through the roof next to landing zone

Hygienic and visually pleasing
- Pleasing designs and colors, comforting for patients and staff
- Durable, easy-to-clean materials

<table>
<thead>
<tr>
<th>KONE elevator types and duty ranges for medical applications</th>
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<tbody>
<tr>
<td><strong>Persons</strong></td>
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<tr>
<td>------------</td>
</tr>
<tr>
<td>Bed elevators</td>
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<tr>
<td>Service elevators</td>
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<tr>
<td>Passenger elevators</td>
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</table>

For more detailed information about available car and shaft sizes, see separate planning information or contact your KONE sales representative.
KONE passenger elevators

KONE passenger elevators are designed to transport visitors and staff smoothly and energy-efficiently.

- **Space efficiency** – maximum car sizes with minimum shaft dimensions. Increases passengers’ convenience while saving construction costs
- **Machine-room-less** – enables elevator to serve the top floor, or even the roof, without a machine room on the hospital roof
- **Design** – wide selection of design alternatives to match the building’s architecture
- **Selected surface materials** – visually pleasing, easy-to-clean surface materials, durable and smooth floor materials for smooth movement of beds and wheelchairs
- **Wide duty range** – to satisfy the people flow requirements of any hospital
- **Meets the requirements of EN81-70** – the code for improving the use of elevators for people with disabilities
KONE bed elevators

KONE bed elevators are designed especially for hospital environments, offering the following features:

- **Specialized car dimensions** – wide-opening doors and deep car sizes to accommodate the bed with accompanying staff and medical equipment
- **Smooth loading and unloading** – precise leveling for easy entry of wheelchairs, beds and patients
- **Emergency/priority/remote calls** – for immediate availability during emergency situations
- **Quiet, smooth operation** – to prevent disturbance to traveling patients and in rooms near the elevator shaft
- **Flush-mounted operating panels** – to avoid collisions with medical equipment
- **Indirect, non-glare lighting options** – to avoid the glare of light for patients lying in bed
- **Clear indicators** – to improve visibility and provide guidance for users
To move heavy loads, you need an elevator that is designed specifically for that purpose:

- **Fast and durable hoisting and car interior** to cope with heavy duty treatment
- **A smooth ride** to handle fragile loads
- **Accurate leveling** for easy loading and unloading
- **Full-width doors** for easy entry and maximum use of space in the car
- **Hygienic**, easy-to-clean materials
Visual options

Ceilings

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

Type: CL95
Frame finishing: Asturias Satin (F)
Murano Mirror (H)
Center panels: Cloud White (P50) painted steel
Lighting: T5 fluorescent tubes

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

Handrails

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

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

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

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

Buffer rails

Up to three buffer rails per wall

BR1
Flemish Linen (TS1)
PR6
Brushed stainless steel

Mirrors

All KONE mirrors are EN81-71 Cat1 compliant

PR6
Partial width/
Partial height
MR1
Partial width/
Mid height
MR1
Full width/
Partial height
MR1
Full width/
Full height
Flip seat

FS1 L202 Hazel Oak
FS1 L224 Black Coal

Walls

Painted steel

- PS0: Cloud White
- PS1: Misty Gray
- PS2: Sunny Yellow
- PS3: Dawn Red
- PS4: Sky Blue

Brushed st steel

- FS1: Asturias Satin
- TS1: Flemish Linen

Etched st steel

- ES2: Silver Bamboo
- ES4: Golden Bamboo

Textured st steel

- K: Scottish Quad

Steel

- SS4: Aqua Weave

Coated steel

- R30: Nordic Gray

Laminate

- L202: Hazel Oak
- L203: Almond Oak
- L204: Cherry Oak
- L205: Ebony Oak
- L208: Lotus Blue
- L209: Snowberry White

Floors

Stone

- SF31: Grainy Sand
- SF32: Diorite Black
- SF36: Spring Sand

Vinyl

- VF20: Ash Gray
- VF21: Sepia Brown
- VF22: Carbon Gray
- VF23: Steel Gray
- VF25: Flakey Gray

Rubber

- RC6: Dallas Black
- RC20: Smoke Gray
- RC21: Denver Gray

Stainless steel

- AL: Aluminum

Metal plate

- SS: Stainless steel
Signalization for bed, service and passenger elevators

**KSS 140**
Flush mounted signalization

**Landing devices**
- KSI 143
- KSH 140

**Car Operating Panel (COP)**

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

**Display:**
- KSC 143: Scrolling dot matrix

**KSS 305**
Flush mounted signalization

**Landing devices**
- KSI 470/471
- KSH 470

**Car Operating Panel (COP)**

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

**Display:**
- KSC 305: Scrolling dot matrix
- KSC 306: 7-segment

**KSS 670**
Flush mounted signalization

**Landing devices**
- KSI 573
- KSH 570
- KSI 673
- KSH 670

**Car Operating Panel (COP)**

**Faceplate finishings:**
- Asturias Satin (F) stainless steel
- Murano Mirror (H) mirror polished stainless steel

**Displays:**
- KSC 573/673: Scrolling dot matrix
- KSC 575/675: Black and white LCD
KONE Design signalization

KSC D20
Partial height Car Operating Panel (COP)
Width 200 mm, height 1300 mm

Unique designs

Landing devices (KSC D20, KSC D40, Unique/Numbers and Blocks)

Selection of 8 solid colors is available for landing devices.

Accessories

Tenant directory

The printed tenant directory is completely customizable and can be easily updated according to the customer’s needs.

Sizes

Directories can be installed either vertically or horizontally.

Digital info screens

IS08
Standard offline or online version, 8.4” display
Surface or flush-mounted

IS15
Premium offline or online version, 15” display
Surface or flush-mounted

Additional features may be available. Consult your sales representative for more information.

Frame finishing: Brushed or polished stainless steel.

KSC D40
Full height Car Operating Panel (COP)
Width 233 mm, height depends on car height and selected ceiling option

Unique designs

Same faceplate designs available in Partial height KSC D20.

Note: Custom designs are also available. Contact your KONE sales representative for more information.

Selection of 8 solid colors is available for landing devices.

Landing devices (KSC D20, KSC D40, Unique/Numbers and Blocks)

Selection of 8 solid colors is available for landing devices.

Accessories

Tenant directory

The printed tenant directory is completely customizable and can be easily updated according to the customer’s needs.

Sizes

Directories can be installed either vertically or horizontally.

Digital info screens

IS08
Standard offline or online version, 8.4” display
Surface or flush-mounted

IS15
Premium offline or online version, 15” display
Surface or flush-mounted

Additional features may be available. Consult your sales representative for more information.

Frame finishing: Brushed or polished stainless steel.
Car and shaft dimensions

Compliant with EN81-20 code

### Bed Elevators

<table>
<thead>
<tr>
<th>Load kg</th>
<th>Persons</th>
<th>Bed elevator</th>
<th>Max. speed m/s</th>
<th>Max. stops</th>
<th>Car type</th>
<th>Car size BxxDD mm</th>
<th>Door width LL mm</th>
<th>Shaft width WW mm</th>
<th>Shaft depth WD mm</th>
<th>Overhead SH mm</th>
<th>Pit depth PH mm</th>
<th>Available elevator types</th>
</tr>
</thead>
<tbody>
<tr>
<td>1275</td>
<td>17</td>
<td>Bed +1 person</td>
<td>2.0</td>
<td>24</td>
<td>SEC</td>
<td>1200x2300</td>
<td>1100</td>
<td>2350</td>
<td>2000</td>
<td>2600</td>
<td>2700</td>
<td>4600 1700 - 2500</td>
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<tr>
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<td>TTC</td>
<td>1200x2300</td>
<td>1100</td>
<td>2350</td>
<td>2000</td>
<td>2710</td>
<td>2910</td>
<td>4600 1700 - 2500</td>
</tr>
<tr>
<td>1600</td>
<td>21</td>
<td>Bed +3 persons</td>
<td>2.0</td>
<td>24</td>
<td>SEC</td>
<td>1400x2400</td>
<td>1300</td>
<td>2750</td>
<td>2300</td>
<td>2700</td>
<td>2800</td>
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<td>2500</td>
<td>3000</td>
<td>3100</td>
<td>4600 1850 - 2500</td>
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<td>3110</td>
<td>–</td>
<td>4600 1850 - 2500</td>
</tr>
<tr>
<td>2500</td>
<td>33</td>
<td>Bed +5 persons</td>
<td>1.6</td>
<td>24</td>
<td>SEC</td>
<td>1800x2700</td>
<td>1500</td>
<td>3150</td>
<td>2500</td>
<td>3000</td>
<td>3100</td>
<td>4300 1500 - 2000</td>
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<tr>
<td>2500</td>
<td>33</td>
<td>Bed +5 persons</td>
<td>1.6</td>
<td>24</td>
<td>TTC</td>
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<td>1500</td>
<td>3150</td>
<td>2500</td>
<td>3110</td>
<td>–</td>
<td>4300 1500 - 2000</td>
</tr>
</tbody>
</table>

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

### Car Elevators

#### 1275 kg / 17 persons

- Through type / center opening

#### 1600 kg / 21 persons

- Through type / center opening

#### 2000 kg / 26 persons

- Through type / center opening

#### 2500 kg / 33 persons

- Through type / side opening

#### 3000 kg / 40 persons

- Through type / center opening

#### 4000 kg / 54 persons

- Through type / center opening

#### 5000 kg / 67 persons

- Through type / center opening

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

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**SEC** = Single entrance car

**TTC** = Through type car

**MS 700**
## Service Elevators

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<thead>
<tr>
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<th>Bed elevator</th>
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<tbody>
<tr>
<td>1000</td>
<td>13</td>
<td>1.6 24 SEC</td>
<td>1100x2100</td>
<td>1000</td>
<td>2150 1750</td>
<td>2400 2500</td>
<td>3800 1200</td>
<td>1200 *</td>
<td></td>
<td></td>
<td></td>
<td>KONE TranSys</td>
</tr>
<tr>
<td>1150</td>
<td>15</td>
<td>1.6 24 SEC</td>
<td>1200x2100</td>
<td>1100</td>
<td>2150 1900</td>
<td>2400 2500</td>
<td>3800 SO /4200 CO</td>
<td>1200 *</td>
<td></td>
<td></td>
<td></td>
<td>KONE MonoSpace 500</td>
</tr>
<tr>
<td>1275</td>
<td>17</td>
<td>2.0 24 SEC</td>
<td>1200x2300</td>
<td>1100</td>
<td>2350 2000</td>
<td>2600 2700</td>
<td>4600 1700 - 2500</td>
<td>1200 *</td>
<td></td>
<td></td>
<td></td>
<td>KONE MonoSpace 700</td>
</tr>
<tr>
<td>1600</td>
<td>21</td>
<td>2.0 24 SEC</td>
<td>1400x2400</td>
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<td>2000</td>
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<td>KONE MonoSpace 700</td>
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<td>4300 1500 - 2200</td>
<td>1200 *</td>
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<td>KONE TranSys</td>
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<tr>
<td>2500</td>
<td>33</td>
<td>1.0 12 SEC</td>
<td>1800x2700</td>
<td>1800</td>
<td>3050 3100</td>
<td>3250 1600</td>
<td>4100 1600</td>
<td>1600 *</td>
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<td>3000</td>
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<tr>
<td>4000</td>
<td>54</td>
<td>1.0 12 SEC</td>
<td>2100x3400</td>
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<td>3350 3800</td>
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<tr>
<td>5000</td>
<td>67</td>
<td>1.0 12 SEC</td>
<td>2500x3400</td>
<td>2500</td>
<td>3700 4000</td>
<td>4400 2100</td>
<td>4200 2100</td>
<td>2100 *</td>
<td></td>
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</tr>
</tbody>
</table>

* KONE MonoSpace 500
  KONE MonoSpace 700
  KONE TranSys

For other selections, please consult the local KONE sales representative.
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.