KONE TravelMaster™ 110 planning dimensions

Architectural planning data

35° inclination / 1.0 transition radii / 2 or 3 horizontal steps at each landing / vertical rise up to 6 m


<table>
<thead>
<tr>
<th>Passenger Circulation Area Requirements</th>
<th>Detail Y (Mirror image of X)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifting eyes by others - Load lifting eye min. 50kN</td>
<td>Landing Plate by KONE</td>
</tr>
<tr>
<td>Width of truss</td>
<td>Hexagon socket set screw</td>
</tr>
<tr>
<td>Pit width</td>
<td>Support angle</td>
</tr>
<tr>
<td>Handrail outer edge distance</td>
<td>Permanent elastic joint (by others)</td>
</tr>
<tr>
<td>Width of escalator</td>
<td>Steel plate</td>
</tr>
<tr>
<td>Reaction force (kN)</td>
<td>Rubber</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reaction force (kN)</th>
<th>800 mm step width</th>
<th>1000 mm step width</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 or 3 steps</td>
<td>R1=4.5L/1000+10</td>
<td>R2=4.5L/1000+2</td>
</tr>
<tr>
<td></td>
<td>R1=5L/1000+12</td>
<td>R2=5L/1000+3</td>
</tr>
</tbody>
</table>

- All dimensions are in millimeters
- Maximum vertical rise: H = 6000 mm
- Upper truss extension maximum 800 mm
- Lower truss extension maximum 800 mm
- Additional cladding material maximum 15 kg/m²
- (XXX) = Three horizontal steps
  * = Balustrade height 900 mm
  ** = Balustrade height 1000 mm
  *** = Balustrade height 1100 mm
- [XXX] = Step width 800 mm
- For escalator with step width of 600 mm please contact your KONE sales office

Note:
If you would like to obtain the exact dimensions for your specific project, we recommend you use the Escalator Design Tools, which can be found on www.kone.com.
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30° inclination / 1.0 transition radii / 2 horizontal steps at each landing / vertical rise up to 6 m


Passenger Circulation Area Requirements

- min.2500
- min.2000
- 50
- 200

Landing Plate (by others)

- Support angle
- Hexagon socket set screw joint (by others)
- Permanent elastic
- Steel plate
- Rubber
- Steel plate

KONE by FFL

Pit width

Width of truss

Handrail outer edge distance

Width of escalator

Safety fence

Detail Y (Mirror image of X)

*1724**1811***1898

945

Power interface

Controller inside truss

1502

[1304]

2844

[2448]

All dimensions are in millimeters

- Maximum vertical rise: H = 6000 mm
- Upper truss extension maximum 800 mm
- Lower truss extension maximum 800 mm
- Intermediate support starting from L > 16400 mm
- Additional cladding material maximum 15 kg/m²

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Position of intermediate support

<table>
<thead>
<tr>
<th>Span (mm)</th>
<th>L1 (mm)</th>
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</thead>
<tbody>
<tr>
<td>16400=L&lt;=16708</td>
<td>L1=Round[0.5*L-2215]/1200,0</td>
</tr>
</tbody>
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1) Other local codes dimensional requirements are available upon request, please contact your local KONE Sales representative for more information.
Passenger Circulation Area Requirements

1) Other local codes dimensional requirements are available upon request, please contact your local KONE Sales representative for more information.


1) Vertical rise up to 13 m
   30° inclination / 1.5 transition radii / 3 horizontal steps at each landing /

Landing Plate
Steel plate
Support angle
Rubber
Hexagon socket set screw joint (by others)
Landing Plate (by others)

Condition HU
H < =6000 & speed=0.5
1050
H > 6000, or speed>0.5
1300

Truss depth of upper head
Condition
HU
H < =6000 & speed=0.5
1050
H > 6000, or speed>0.5
1300

Position of intermediate support

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<tr>
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50 200
Steel plateKONE

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Note: There is a possibility of having an escalator without intermediate support however a reinforced truss is required. Please contact KONE for more dimensional information.

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7) [XXX] = Step width 800 mm
8) For escalator with step width of 600 mm please contact your KONE sales office
9) Truss extensions are required when either the rise requires the use of double drives or the use of an inverter. For these dimensions please contact your local sales organization.

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110 planning dimensions

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