Lyndhurst S5
Loads & Fixings - Lifts with Upper Level Door
(2m to 7m Travel)

Lift Loads

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Value</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.5kN</td>
<td>Door threshold fixing at each entrance, except base level</td>
</tr>
<tr>
<td>B</td>
<td>2.2kN</td>
<td>Guide side fixing, top landing level</td>
</tr>
<tr>
<td>C</td>
<td>2.8kN</td>
<td>Guide side fixing, mid height between floors, or intermediate landing level</td>
</tr>
<tr>
<td>D2</td>
<td>2.1kN</td>
<td>Floor load, at position D, horizontal plane, (shear load in fixing); see also ‘D1’</td>
</tr>
<tr>
<td>D1</td>
<td>2.5kN</td>
<td>Floor load, at position D, vertical plane, laminate infill panels; see also ‘D2’</td>
</tr>
<tr>
<td>D1</td>
<td>3.6kN</td>
<td>Floor load, at position D, vertical plane, glass infill panels; see also ‘D2’</td>
</tr>
</tbody>
</table>

Notes:
1. Details provided apply to indoor applications only, where all specified fixings can be made directly into solid substrate or structural members.
2. Loads
   Loads from the lift occur in horizontal & vertical planes. All values stated in the table are per position indicated in the sketches. All loads stated are for ‘worst case’ conditions (of load & travel). Where applicable, an impact factor of 2 has been accounted for. No ‘safety factors’ have been applied.
2a. Horizontal plane loads
   Fixings at positions A & B are compulsory and loads can be assumed as push & pull. Fixing C is only required for travel greater than 5m and loads can be assumed as push & pull. A horizontal plane load is also carried in fixings at D - see paragraph 2b. Additionally, fixings at A, B (and C when required) are subject to a shear load, maximum 0.5kN per position.
   Minimum pitch between guide side fixings (B to C & C to D) to be 2.1m.
2b. Vertical plane loads
   Fixings at D are compulsory. Fixings at D are made (vertically) into floor & are subject to a shear load D2, as well as a vertical load D1. Loads D1 are point loads due to structure weight. Additional vertical plane loads are applied at the base of the ram (1 position) & guides (2 positions) - refer to sketch ‘Lift base’ & table. Each of these 3 loads can be taken as point loads.
3. It shall be the customer’s responsibility to ensure suitability of the building structure for the stated loads, both in terms of strength, & also suitability of the fixings proposed. If any doubts exist, we advise that a structural engineer is consulted.

Waiver
The data sheet is for guidance only & must not be used for proper working drawings. Please contact us for particular details before proceeding. Owing to our policy of continual improvement, we reserve the right to alter specifications & dimensions without prior notice.

Lift Structure
Note: Supporting wall on guide side is omitted for clarity.

Lyndhurst S5
Level Access Lifts Ltd
Level House, Barney Hayes Lane, Cadnam,
Southampton, SO40 2ND
Telephone: 0845 4662 999
Email: sales@levellifts.co.uk
www.levellifts.co.uk