Microlift
50 & 100kg Service Lifts

The widest, most versatile range of high quality goods and service lifts
Our lifts make light work of moving loads of virtually every shape, weight or size. They protect you and your staff from the stresses and strains of manual handling. Installing a goods or service lift means you distribute goods quickly, efficiently and safely between any number of floors.

Wide range
Five 50kg and two 100kg stock models cater for every lifting requirement – from food, laundry and documents to beer crates and barrels, small trolleys and industrial equipment.

Quick, simple installation
The lift operates inside a rapidly-erected, structure supported frame which is easy to install and requires minimal builder’s work. No separate motor room or load-bearing shaft is needed, which helps to keep costs down.

Available from stock*
All standard models are normally available from stock, which means that a lift can be installed and working within a few days, depending on the building work. Please contact us for further information.

Proven quality & reliability
Over 60,000 installations throughout the world are convincing proof of the product’s engineering quality and reliability.

Choice of finishes
The finish of the lift car and rise and fall shutters can be tough grey baked enamel or stainless steel.

* Combi and bespoke models available on request

Options:
- Low Headroom – Provides significant reduction in the headroom required at the top floor via the option of either side- or bottom-mounted drive.
-Double Decker – model offers two cars in one lift

1 Quiet and efficient motor
2 Easy-clean finish
3 Robust push-buttons, fully automatic control
4 Interlocked entrances for extra safety
5 Galvanised framework for long life
6 ‘Rise and fall’ shutters, or hinged doors for ease of access
7 Structure supported frame

50C LH
50 & 100kg Double Decker
### Technical specifications

#### TECHNICAL DATA – STANDARD RANGE:

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Car Dimensions (w x d x h)</th>
<th>Entrance (w x h)</th>
<th>Serving Height (variable)</th>
<th>Shaft (w x h)</th>
<th>Pit Depth</th>
<th>Headroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>DD50</td>
<td>50kg</td>
<td>510 × 320 × 800</td>
<td>320 × 770</td>
<td>800</td>
<td>725 × 520</td>
<td>-</td>
<td>2600</td>
</tr>
<tr>
<td>50A♭</td>
<td>50kg</td>
<td>545 × 420 × 800</td>
<td>420 × 770</td>
<td>800</td>
<td>820 × 640</td>
<td>-</td>
<td>2600</td>
</tr>
<tr>
<td>50B♭</td>
<td>50kg</td>
<td>520 × 520 × 800</td>
<td>520 × 770</td>
<td>800</td>
<td>800 × 800</td>
<td>-</td>
<td>2600</td>
</tr>
<tr>
<td>50C♭</td>
<td>50kg</td>
<td>620 × 620 × 800</td>
<td>520 × 770</td>
<td>800</td>
<td>900 × 900</td>
<td>-</td>
<td>2600</td>
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<tr>
<td>50C LH</td>
<td>50kg</td>
<td>620 × 620 × 800</td>
<td>520 × 770</td>
<td>800</td>
<td>900 × 900</td>
<td>-</td>
<td>2200</td>
</tr>
<tr>
<td>100A**</td>
<td>100kg</td>
<td>720 × 720 × 1000</td>
<td>620 × 970</td>
<td>800</td>
<td>1000 × 1000</td>
<td>-</td>
<td>2800</td>
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<tr>
<td></td>
<td></td>
<td>with rise and fall shutters</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100A**</td>
<td>100kg</td>
<td>720 × 720 × 1000</td>
<td>620 × 1000♭</td>
<td>FLOOR</td>
<td>1000 × 1000</td>
<td>350*</td>
<td>2000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>with hinged doors</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>100B**</td>
<td>100kg</td>
<td>820 × 820 × 1200</td>
<td>720 × 1170</td>
<td>800</td>
<td>1100 × 1100</td>
<td>-</td>
<td>3000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>with rise and fall shutters</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100B**</td>
<td>100kg</td>
<td>820 × 820 × 1200</td>
<td>720 × 1200♭</td>
<td>FLOOR</td>
<td>1100 × 1100</td>
<td>350*</td>
<td>2200</td>
</tr>
</tbody>
</table>

Notes:
- All dimensions are nominal and in mm.
- Some of the dimensions can be varied to suit individual requirements by modification of stock models or by special manufacture – please contact us for details.
- Entrances
  - Top Drive
    - 50kg – entrances available on three sides (A, B & C) on all models with the following exceptions:
      - Entrance position ‘B’ is not available on the DD50 model, but can be provided on the 50A model with a reduced entrance width of 320mm.
      - Entrances are available on two sides (A, B or C) on all floors on the 50C LH model.
    - 100kg – entrances are available on three sides (A, B & C) on all floors.
  - Bottom Drive
    - Entrances are available on two sides (A, B or C) on all models with the exception of the DD50 BD which is available with the entrance position ‘C’ only.

### TECHNICAL DATA – DOUBLE DECKER:

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Car Dimensions (w x d x h)</th>
<th>Entrance (w x h)</th>
<th>Serving Height (variable)</th>
<th>Shaft (w x h)</th>
<th>Pit Depth</th>
<th>Headroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>50B DD</td>
<td>100kg</td>
<td>520 × 520 × 800 per car</td>
<td>420 × 770</td>
<td>(a) 1010♭ (b) Floor</td>
<td>800 × 800</td>
<td>350</td>
<td>3000</td>
</tr>
<tr>
<td>50C DD</td>
<td>100kg</td>
<td>620 × 620 × 800 per car</td>
<td>520 × 770</td>
<td>(a) 1010♭ (b) Floor</td>
<td>900 × 900</td>
<td>350</td>
<td>3000</td>
</tr>
<tr>
<td>100A DD</td>
<td>100kg</td>
<td>720 × 720 × 800 per car</td>
<td>620 × 770</td>
<td>(a) 1010♭ (b) Floor</td>
<td>1000 × 1000</td>
<td>350</td>
<td>3000</td>
</tr>
<tr>
<td>100B DD</td>
<td>100kg</td>
<td>820 × 820 × 800 per car</td>
<td>720 × 770</td>
<td>(a) 1010♭ (b) Floor</td>
<td>1100 × 1100</td>
<td>350</td>
<td>3000</td>
</tr>
</tbody>
</table>

### TECHNICAL DATA – BOTTOM DRIVE:

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Car Dimensions (w x d x h)</th>
<th>Entrance (w x h)</th>
<th>Serving Height (variable)</th>
<th>Shaft (w x h)</th>
<th>Pit Depth</th>
<th>Headroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>DD50 BD</td>
<td>50kg</td>
<td>510 × 320 × 800</td>
<td>320 × 770</td>
<td>800</td>
<td>725 × 520</td>
<td>-</td>
<td>2250</td>
</tr>
<tr>
<td>50B BD</td>
<td>50kg</td>
<td>545 × 420 × 800</td>
<td>420 × 770</td>
<td>800</td>
<td>820 × 640</td>
<td>-</td>
<td>2250♭</td>
</tr>
<tr>
<td>50C BD</td>
<td>50kg</td>
<td>520 × 520 × 800</td>
<td>420 × 770</td>
<td>800</td>
<td>830 × 800</td>
<td>-</td>
<td>2250♭</td>
</tr>
<tr>
<td>100A BD</td>
<td>100kg</td>
<td>720 × 720 × 800</td>
<td>620 × 770</td>
<td>800</td>
<td>930 × 900</td>
<td>-</td>
<td>2250♭</td>
</tr>
<tr>
<td>100B BD</td>
<td>100kg</td>
<td>820 × 720 × 800</td>
<td>720 × 770</td>
<td>800</td>
<td>1130 × 1100</td>
<td>-</td>
<td>2250♭</td>
</tr>
</tbody>
</table>

Notes:
- All dimensions are nominal and in mm.
- Some of the dimensions can be varied to suit individual requirements by modification of stock models or by special manufacture – please contact us for details.
- Entrances
  - Top Drive
    - 50kg – entrances available on three sides (A, B & C) on all models with the following exceptions:
      - Entrance position ‘B’ is not available on the DD50 model, but can be provided on the 50A model with a reduced entrance width of 320mm.
      - Entrances are available on two sides (A, B or C) on all floors on the 50C LH model.
    - 100kg – entrances are available on three sides (A, B & C) on all floors.
  - Bottom Drive
    - Entrances are available on two sides (A, B or C) on all models with the exception of the DD50 BD which is available with the entrance position ‘C’ only.

#### Key to model codes
- LH – Low Headroom
- DD – Double Decker
- BD – Bottom Drive

#### Choice of entrance arrangements
Up to three way entry on most models. The sectional plans above show the many arrangements available with the Microlift.
Builder's work:

Preliminaries
The lift can be installed by our fitters in just a few days with the minimum disruption to premises. Preliminary builder's work is straightforward. All that is normally required prior to installation is an appropriately-sized opening in each floor, a flat level base capable of supporting downward deadloads and an electrical power supply.

We can provide your builder with exact builder’s work details and drawings for your installation and, where necessary, liaise directly with the builder to ensure the whole operation runs smoothly.

After the installation
Your builder will need to provide an enclosure around the lift to protect against moving parts and conform with your local fire regulations. Permanent safe access to the motor must be provided to comply with current safety regulations. The lift installation and associated builder’s work should comply with the latest Supply of Machinery (Safety) Regulations and be ‘CE’ marked accordingly.

Installation notes:

Headroom: The floor to ceiling height on the top floor served must be able to accommodate the winding unit. If there is insufficient headroom, we can make substantial reductions with our ‘Low Headroom’ or bottom drive option and suggest you contact us for details.

Serving height: This is normally set at 800mm but is fully adjustable before installation. To accept trolleys, the serving height can be at floor level – contact us for details.

Shaft: These dimensions give the minimum inside shaft width and depth that must be provided to enable your lift to be installed.

Load: 50kg and 100kg (can be uprated to 150kg).

Car: Constructed in mild steel, finished in grey baked enamel with a stainless steel base and a removable stainless steel shelf. The car can also be finished in stainless steel.

Landing Entrances: High quality rise and fall shutters or hinged doors are fitted with safety locks and can be finished in either grey baked enamel or stainless steel.

Car Entrance Protection: Whilst it is not essential to fit doors onto the car itself, it is highly recommended to do so. If doors are not fitted, other means of restraining the goods should be assessed and provided. Stainless steel rise and fall doors are available for all models, whilst collapsible gates are available on all models serving at floor level as an option.

Mounting: The lift is supplied in a structure-supported frame which is galvanised for longer life. We do not require a separate motor room or ‘load-bearing’ lift shaft. For more information, please ask for our builder’s work detail.

Floors served: Can serve up to 12 floors.

Speed: 0.35m/s (70ft/min).

Controls: Fully automatic push button control, with call and despatch facilities at each entrance. For that extra reassurance, ‘lift arrival’, ‘lift occupied’ and ‘lift position indicators’ together with an ‘arrival buzzer’ are fitted as standard.

Operation: The operation is smooth and quiet with a highly efficient motor winding unit with a reliable controller. Combined with a counter-balance drive system, this ensures electrical consumption is minimal.

Winding Unit: Normally mounted at the top of the lift structure within the headroom dimensions shown overleaf. The motor drives a high quality reduction gearbox fitted with a traction vee-sheave. An electro-magnetic disc brake is supplied, with emergency release mechanism.

Electric Supply: 415 Volt-3 phase-50Hz or 240 Volt-1 phase-50Hz. A 15 amp isolator should be supplied for the lift by your electrician to be fixed adjacent to the lift at the top floor served for top drive units or lowest floor for bottom drive units.

Installation: A 2-floor lift normally takes us 1-2 days to install depending on site conditions.

Delivery: Normally available from stock.

Enclosure: Normally by others.

Maintenance: We recommend the lift is serviced and inspected every 3 months by competent lift engineers. This is to ensure efficient and reliable operation. We can arrange servicing after installation.

Guarantee: The lift is guaranteed for twelve months from completion of installation, subject to it being serviced regularly by our engineers.

Policy: We are continually developing and improving the Microlift range and reserve the right to alter specifications, dimensions and prices without prior notice.

Safety: Once installed, tested, commissioned and all the building work is complete, the lift will comply with the Essential Safety Regulations (ESRs) of the latest Supply of Machinery (Safety) Requirements, otherwise known as the Machinery Directive and EN81-3 where applicable.