Machine Room Less Traction Lift

- **RAPID ON-SITE INSTALLATION**
- **NO MACHINE ROOM REQUIRED**
- **MINIMAL SYSTEM SPACE REQUIRED**
- **HEAVY DUTY OPTIONS AVAILABLE**
- **OPTION OF CAR DOORS OR SHUTTER GATES**
- **ENERGY EFFICIENT**
- **LOW RUNNING COSTS**
- **SUITABLE FOR NEW AND REPLACEMENT APPLICATIONS**

### SPECIFICATION

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>8 Person - 630kg</th>
<th>13 Person - 1060kg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>17 Person - 1275kg</td>
<td>21 Person - 1460kg</td>
</tr>
<tr>
<td></td>
<td>26 Person - 2000kg</td>
<td>33 Person - 2560kg</td>
</tr>
<tr>
<td></td>
<td>46 Person - 3500kg</td>
<td>66 Person - 5060kg</td>
</tr>
</tbody>
</table>

**SPEED**

1.0 m/s [630kg-2500kg]

0.8 m/s [3500kg-5000kg]

**LIFT DUTY**

120 starts per hour [630kg-1000kg Rucksack]

180 starts per hour [1000kg-5000kg Conventional]

### DRIVE SYSTEM

Gearless machine with inverter controlled permanent magnet synchronous motor. Machine located at the top of the shaft and to the side.

Machine brake provides ascending car overspeed protection.

### POWER AND DRIVE

**POWER SUPPLY**

400 Volts: 3 Phase and Neutral;

50 Hertz and 220 Volts: 1 phase at the top of shaft/controlled.

### ENTRANCES

Automatic car doors with full height infrared safety edges and pressure sensitive leading edge.

Option of manually operated shutter gates including designs specific for wider entrances and heavier duty lifts.

Landing entrances 2 hour fire rated to BS EN81-58 with integral surround entrances in primed finish.

### CONTROLS

**CONTROL SYSTEMS**

Stainless steel faceplate mounted in door frame or front wall, housing push with tactile indication/LED call accepted indicator.

**CAR AND LANDING CONTROLS**

Pushes with tactile indication and LED call accept indicators.

Door open push and yellow alarm push.

Car position indicator and direction arrows.

Car preference key switch

Emergency light unit.

Overload indicator providing audible and visual overload indication.

Auto-dialling telephone to link the lift car with 24 hour breakdown service when alarm push is pressed via customer’s telephone line.

Load plated engraved with Pickering’s logo, CE mark and notified body number [1291]

**MICROPROCESSOR CONTROLLER**

Thermistor protection to traction motor.

Running timer.

Variable door timers.

Dynamic braking of traction machine in the event of power failure/brake release.

### CAR FINISHES

- **STANDARD GOODS LIFT APPLICATION:**

  Wall panels max, 400mm wide folded from galvanised steel (unfinished).

  Steel chequerplate floor covering.

  Fluorescent recessed light fitting in galvanised steel (unfinished) roof.

  Brushed stainless steel car operating panel to 4mm side wall or right wall for centre opening option.

- **ADDITIONAL OPTIONS**

  Option for bumper rails and chequer plate walls up to dado height.

- **STANDARD PASSENGER LIFT APPLICATION:**

  Car walls in white skimplate.

  Front returns in brushed stainless steel.

  Brushed stainless steel skirting.

  Studded rubber flooring in choice of colours or option of recess for flooring by others.

  Brushed stainless steel car operating panel to 4mm side wall or right hand wall for centre opening option.

  White punched ceiling in choice of four pattern options with diffuser and fluorescent lighting.

- **ADDITIONAL OPTIONS**

  Stainless steel car panels - brushed finish, 5WL etc.

  Options for handrails, mirrors and EN81-70 options for passenger applications.

  Laminates from Formica plain colour range.

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**Leaders in design, manufacture, installation and maintenance services**
## Specifications

<table>
<thead>
<tr>
<th></th>
<th>Rucksack</th>
<th>Conventional</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rated Load (kg)</strong></td>
<td>630</td>
<td>1000</td>
</tr>
<tr>
<td><strong>Number of Passengers</strong></td>
<td>8</td>
<td>13</td>
</tr>
<tr>
<td><strong>Speed (metres per second)</strong></td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Standard Car Size</strong></td>
<td>Width (CW)</td>
<td>1100</td>
</tr>
<tr>
<td></td>
<td>Depth (CD)</td>
<td>1400</td>
</tr>
<tr>
<td></td>
<td>Height (CH)</td>
<td>2050</td>
</tr>
<tr>
<td><strong>Pit Depth (Standard)</strong></td>
<td>1400</td>
<td>1400</td>
</tr>
<tr>
<td><strong>Headroom (Standard)</strong></td>
<td>3500</td>
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</table>

## Door Type and Lift Well

### STD. WELL DIMENSIONS FOR STD. ENTRANCE SIZES

<table>
<thead>
<tr>
<th></th>
<th>Rucksack</th>
<th>Conventional</th>
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<tbody>
<tr>
<td>Two Panel Side Opening Doors</td>
<td>Entrance Width</td>
<td>900</td>
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<tr>
<td></td>
<td>Shaft Width</td>
<td>1700</td>
</tr>
<tr>
<td>Centre Opening Doors (2 Panels)</td>
<td>Shaft Depth OF</td>
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<td></td>
<td>Shaft Depth OT</td>
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<tr>
<td>Centre Opening Doors (4 Panels)</td>
<td>Entrance Width</td>
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<td></td>
<td>Shaft Width</td>
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<tr>
<td></td>
<td>Shaft Depth OF</td>
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<tr>
<td></td>
<td>Shaft Depth OT</td>
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### Shuttle Gate Option

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<tr>
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<tbody>
<tr>
<td></td>
<td>Shaft Width</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Shaft Depth OF</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Shaft Depth OT</td>
<td>-</td>
</tr>
</tbody>
</table>

Note: All dimensions are shown in millimetres.

* Other widths and options available, please contact Pickerings Lifts for more information.

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Pickerings Lifts  
Tel: 01642 607161  
www-pickerings.co.uk

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Hydraulic Passenger Lift

- BESPOKE CHOICE OF FINISHES AND OPTIONS
- IDEALLY SUITED FOR FAST-TRACK PROJECTS
- DIRECT OR INDIRECT HYDRAULIC ACTION
- NON-STANDARD CAR AND ENTRANCE SIZE OPTIONS AVAILABLE ON REQUEST
- FLEXIBLE LIFT OPTION TO SUIT A VARIETY OF NEEDS
- RUCKSACK CONFIGURATION

**CAPACITY**
- 1 Person - 450kg/500kg
- 8 Person - 630kg
- 10 Person - 800kg
- 13 Person - 1000kg

**SPEED**
0.4 or 0.6 m/s

**LIFT DUTY**
60 lift starts/35 motors starts per hour.
45 lift starts per hour with machinery cabinet.

**DRIVE SYSTEM**
Electro-hydraulic side direct acting or indirect acting.

**POWER SUPPLY**
400 Volts; 3 Phase and Neutral; 50 Hertz.

**ENTRANCES**
Automatic car doors with full height infrared safety edges and pressure sensitive leading edge.
Landing entrances 2 hour fire rated to BS EN81-58 with integral surrounds entrances primed finish.

**CONTROL SYSTEMS**
Single tactile landing push and LED call accepted indicator, stainless steel faceplate in frame (side opening) or RHS wall (centre opening).

**CAR AND LANDING CONTROLS**
Pushes with tactile indication and LED call accept indicators.
Raised exit floor push.
Door open and close push.
Priority key switch and yellow alarm push.
Dot matrix car position indicator and direction arrows.
Emergency light unit.
Overload indicator providing audible and visual overload indication.
Audible arrival indicator.
Auto-dialling telephone to link the lift car with 24 hour breakdown service when alarm push is pressed via customer’s telephone line.
Load plate engraved with Pickering’s logo, CE mark and notified body number [1291] displayed once lift successfully commissioned.

**MICROPROCESSOR CONTROLLER**
Variable door timer.
Displays on PCB providing lift status and fault diagnosis information.
Visual emergency lowering indication.
Star-delta starting of pump motor.

**CAR FINISHES**
Car walls in white skinplate.
Front returns in brushed stainless steel.
Brushed stainless steel skirting.
Studded rubber flooring in choice of colours or option of recess for flooring by others.
Brushed stainless steel car operating panel to slam side wall or right hand wall for centre opening option.
White punched ceiling in choice of four pattern options with diffuser and fluorescent lighting.

**ADDITIONAL OPTIONS**
Stainless steel car panels - brush finish, SWL etc.
Options for handrails, mirrors and EN81-70 options for passenger applications.
Laminates from Formica plain colour range.

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## SPECIFICATIONS

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<tr>
<th></th>
<th>500</th>
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<th>800A</th>
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<th>1000A</th>
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<td>TWO PANEL SIDE OPENING:</td>
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<td>800mm WELL WIDTH (OF/OT)</td>
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<td>-</td>
<td>2040</td>
<td>-</td>
<td>2375</td>
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<td>1650</td>
<td>1900</td>
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<td>-</td>
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<tr>
<td>1100mm WELL WIDTH (OA)</td>
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<td>-</td>
<td>2040</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
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RANGE

With our bespoke range of ceiling, wall and floor options contrasting with brushed stainless steel trims - Pickerings Specialist Lift Systems can create an individual lift for any unique environment.

Ceiling Style
- white painted as standard

Walls
- Standard
  - White skinplate
- Options [available at additional cost]
  - Brushed stainless steel
  - 5WL BA stainless steel

Laminate Wall Options* [available at additional cost]
- E0554 Glow Tenere
- K1019 Azur
- E6902 Grenadine
- F4156 Caramel
- F4174 Atlantic
- K2001 Baikal

Flooring
- Rubber Stud Tile*
  - Black Coal
  - Cobalt
  - Mercury
  - Sandstone

Trims
- Skirting, Car Operating Panel, Door returns
  - Brushed stainless steel

Handrail
  - Mill finish stainless steel

Mirror
  - Partial mirror to rear wall

*Other colour options available upon request.

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RANGE

From unusual load requirements to hazardous environments, a Specialist Lift System can be designed and manufactured by Pickerings Lifts to suit any commercial surrounding.

<table>
<thead>
<tr>
<th>Ceiling Style</th>
<th>Flooring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Galvanised steel with recessed fluorescent light fitting</td>
<td>Grey painted sheet steel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Walls</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard</strong></td>
</tr>
<tr>
<td>Galvanised steel</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Wall Protection (available at additional cost)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium Chequer Plate</td>
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</table>

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