

# Platform Lift Datasheets

Midlift PL Platform Lift Range

**Stannah**

## Midilift PL Platform Range Data Sheets

This technical data provides general guidance and should not be used as proper working drawings. We also provide CAD blocks and NBS lift specifications on all our products. We can provide specific site solutions and advise on individual requirements for your project. For any queries regarding your project, to request budget quotes, or to discuss any detailed specifications please get in touch with the Platform Lift Technical Team.

Email: [sales@stannah.co.uk](mailto:sales@stannah.co.uk)

Tel: **01264 339090**

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*Midilift PL Platform Range outdoor/indoor,  
screw and nut drive, up to 12m travel*

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# Midilift Internal PL Platform Lift

Data sheet for lifts with a full height door at the uppermost floor (max. travel 12m, 340Kg and 400kg capacity)

For lifts with a 1/2 height gate at the uppermost floor see separate data sheet.

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## Specifications:

Rated Load: 340Kg and 400kg  
Rated Speed: 0.15m/s  
Maximum Travel: 12m  
Maximum number of stops: 5  
Controls: Constant pressure

## Notes:

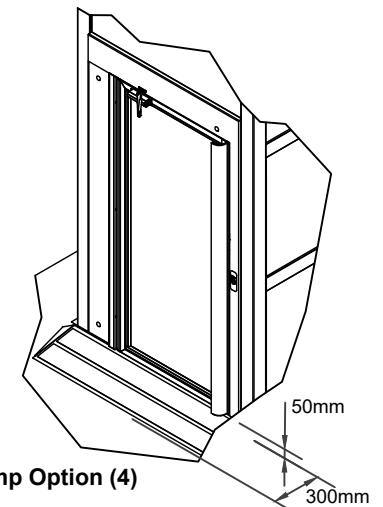
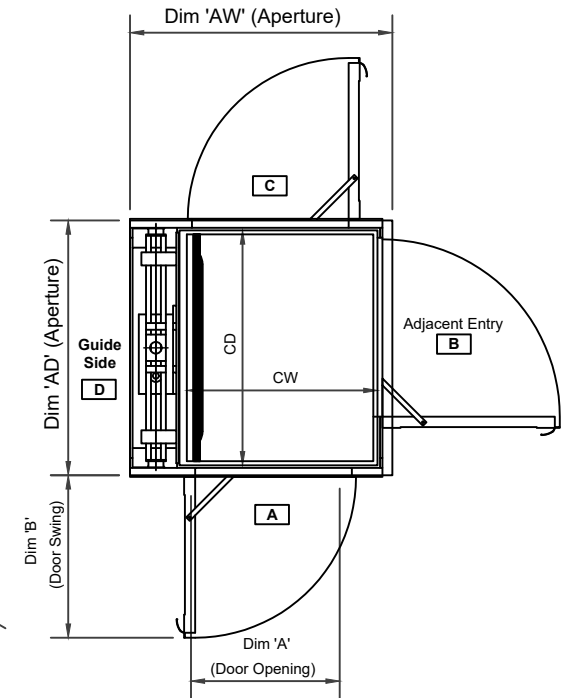
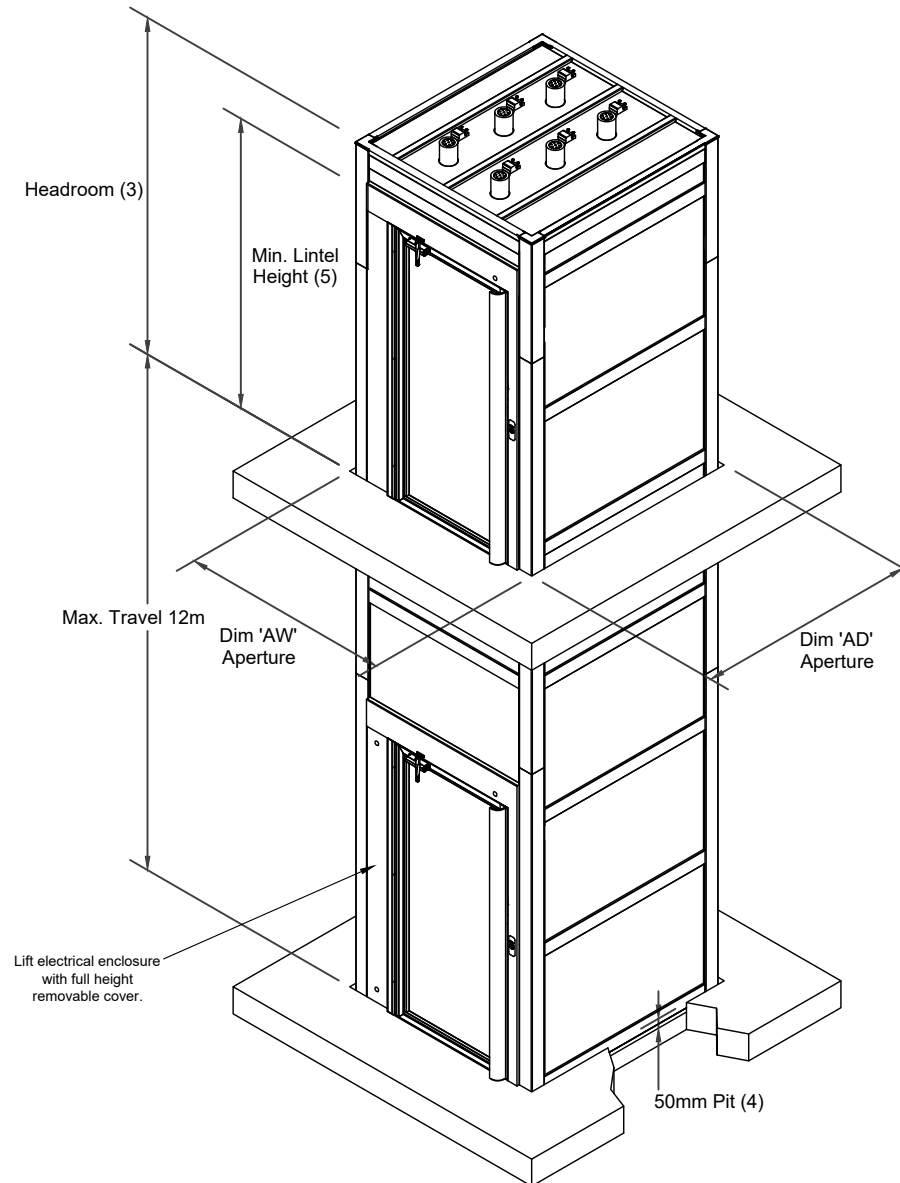
- (1) All dimensions in mm unless stated.
- (2) Min Travel for same side entrance = 2350mm (based on 2 metre door)  
Min Travel for Opposite and Adjacent entrances = 250mm
- (3) Headroom is 2200mm (based on 2 metre door)
- (4) If pit cannot be formed a ramp is available as an optional extra.
- (5) Min. lintel height required for standard door closers = 2190mm. (add Pit depth to dim if ramp option is being used - this applies only to the lower floor).
- (6) Part M (England & Wales) (see \* & \*\*) or section 4.2 of the Technical Handbook (Scotland) compliant (See \*\*).
- (7) Provide a dedicated single phase supply. The lift supply is to terminate in a lockable isolator at a position shown on builders work diagram.
- Electrical details can vary dependant on model selected
- (8) Provide a 13amp electrical outlet socket adjacent to the lift installations at all levels. The supply to these sockets is not to be derived from the lift supply detailed in note 7 above
- (9) Ensure that lighting at all landing levels is not less than 50lux.

## Fixings:

- (10) The lift is fixed to the floor at the base of the enclosure. Fixings are also required at other points, the exact location depends on travel and configuration. Please contact us to discuss further.

## Control Equipment:

- (11) The electrical control equipment are housed in an enclosure inside the lower door frame.



| Platform Size<br>CW x CD | Door<br>Opening<br>Dim A | Door<br>Swing<br>Dim B | Door<br>Config                | Aperture<br>(+50/-0) |      |
|--------------------------|--------------------------|------------------------|-------------------------------|----------------------|------|
|                          |                          |                        |                               | AW                   | AD   |
| 975 x 1275               | 800                      | 845                    | Single<br>Through<br>Adjacent | 1440                 | 1395 |
| 1025 x 1425 (6) *        | 850                      | 895                    | Single<br>Through<br>Adjacent | 1490                 | 1545 |
| 1125 x 1425 (6) **       | 950                      | 995                    | Single<br>Through<br>Adjacent | 1590                 | 1545 |

## Waiver

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## Ramp Option (4)

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Information  
sheet  
**PL 801**  
22/09/2023



# Midilift Internal PL Platform Lift

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Data sheet for lifts with a  $\frac{1}{2}$  height gate at the uppermost floor (max. travel 3m, 340Kg and 400kg capacity)

## Specifications:

Rated Load: 340Kg and 400kg  
 Rated Speed: 0.15m/s  
 Maximum Travel: 3m  
 Maximum number of stops: 5  
 Controls: Constant pressure

## Notes:

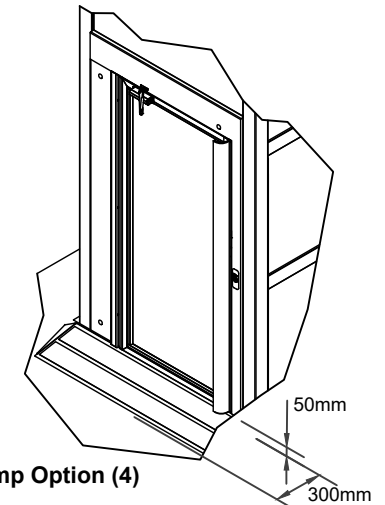
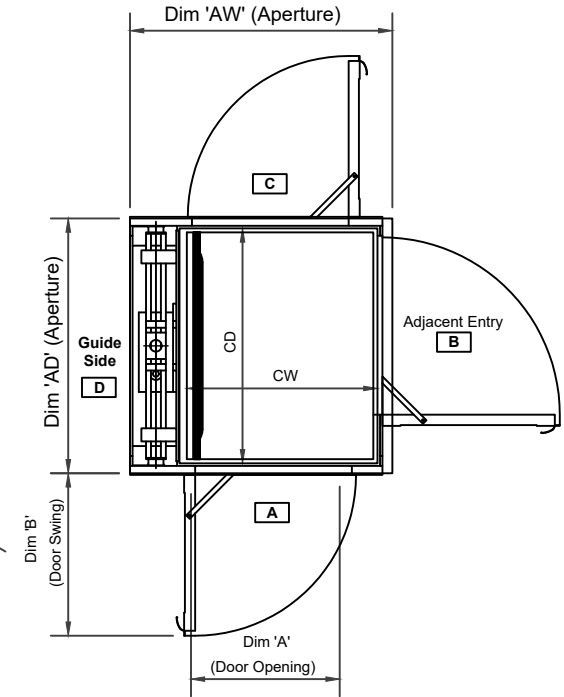
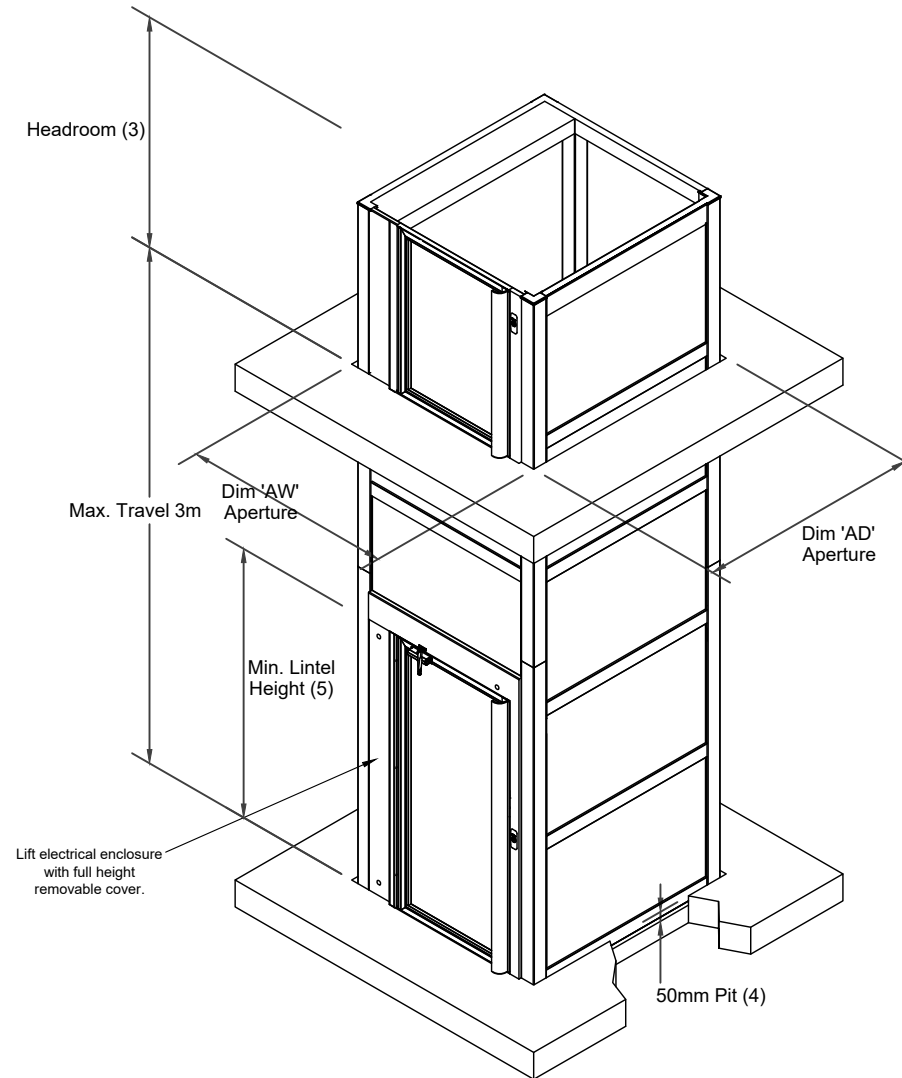
- (1) All dimensions in mm unless stated.
- (2) Min Travel for same side entrance = 2350mm (based on 2 metre door)  
 Min Travel for Opposite and Adjacent entrances = 250mm
- (3) Headroom is 2150mm
- (4) If pit cannot be formed a ramp is available as an optional extra.
- (5) Min. lintel height required for standard door closers = 2190mm. (add Pit depth to dim if ramp option is being used - this applies only to the lower floor).
- (6) Part M (England & Wales) (see \* & \*\*) or section 4.2 of the Technical Handbook (Scotland) compliant (See \*\*).
- (7) Provide a dedicated single phase supply. The lift supply is to terminate in a lockable isolator at a position shown on builders work diagram.
- Electrical details can vary dependant on model selected
- (8) Provide a 13amp electrical outlet socket adjacent to the lift installations at all levels. The supply to these sockets is **not** to be derived from the lift supply detailed in note 7 above
- (9) Ensure that lighting at all landing levels is not less than 50lux.

## Fixings:

- (10) The lift is fixed to the floor at the base of the enclosure. Fixings are also required at other points, the exact location depends on travel and configuration. Please contact us to discuss further.

## Control Equipment:

- (11) The electrical control equipment are housed in an enclosure inside the lower door frame.



| Platform Size<br>CW x CD | Door<br>Opening<br>Dim A | Door<br>Swing<br>Dim B | Door<br>Config                | Aperture<br>(+50/-0) |      |
|--------------------------|--------------------------|------------------------|-------------------------------|----------------------|------|
|                          |                          |                        |                               | AW                   | AD   |
| 975 x 1275               | 800                      | 845                    | Single<br>Through<br>Adjacent | 1440                 | 1395 |
| 1025 x 1425 (6) *        | 850                      | 895                    | Single<br>Through<br>Adjacent | 1490                 | 1545 |
| 1125 x 1425 (6) **       | 950                      | 995                    | Single<br>Through<br>Adjacent | 1590                 | 1545 |

## Waiver

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## Ramp Option (4)

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Information  
 sheet  
**PL 802**  
 26/09/2023



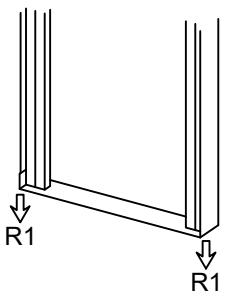
|                        |        |
|------------------------|--------|
| 1125 x 1425<br>Dim 'A' | 1185mm |
| 1025 x 1425<br>Dim 'A' | 1185mm |
| 975 x 1275<br>Dim 'A'  | 1035mm |

# Midilift PL Platform Lift

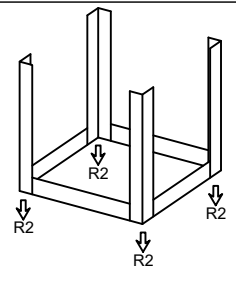
Loads and Fixings - 2 stop Upto 3M travel

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## PIT LOADS (daN)

|  |                        |    |     |
|--|------------------------|----|-----|
|  | Guide rail Load (each) | R1 | 566 |
|--|------------------------|----|-----|

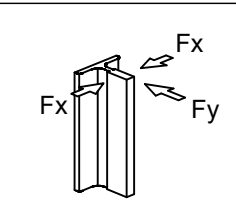
## LOADS UNDER THE STRUCTURE UPRIGHTS (daN)

|   |   |    |     |
|---|---|----|-----|
|  | Maximum reaction load under structure's upright | R2 | 134 |
|---|---|----|-----|

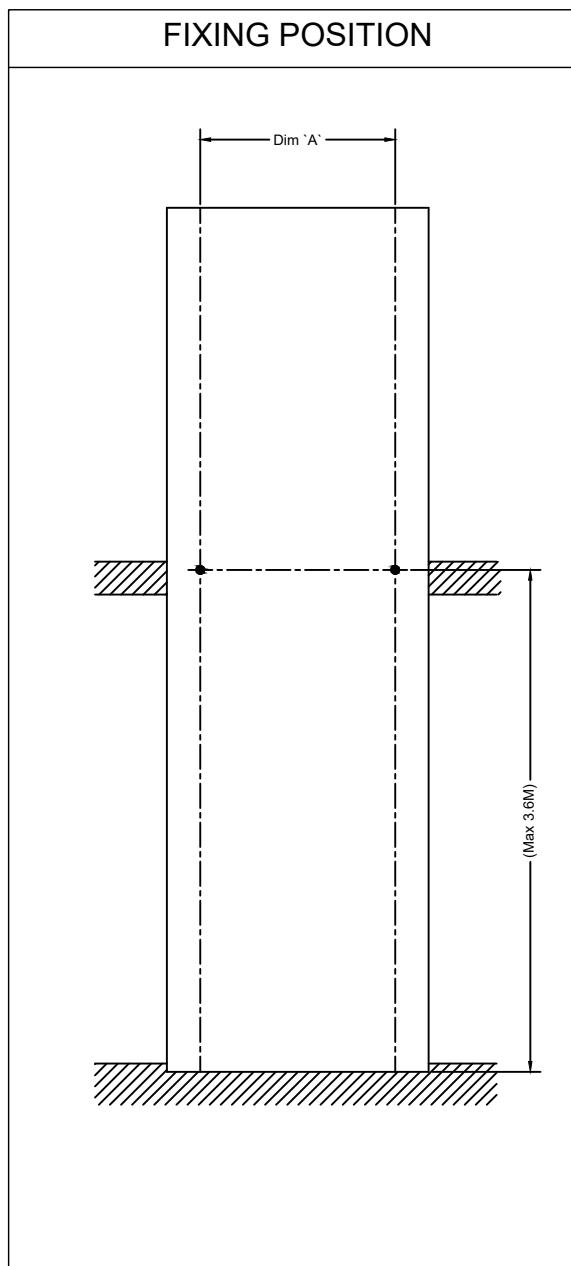
Structure Mass = 536

Total structure mass with glass panels

## FORCES ON GUIDE RAILS (daN)

|  |              |    |     |
|--|--------------|----|-----|
|  | x-axis force | Fx | 381 |
|  | y-axis force | Fy | 147 |

## FIXING POSITION



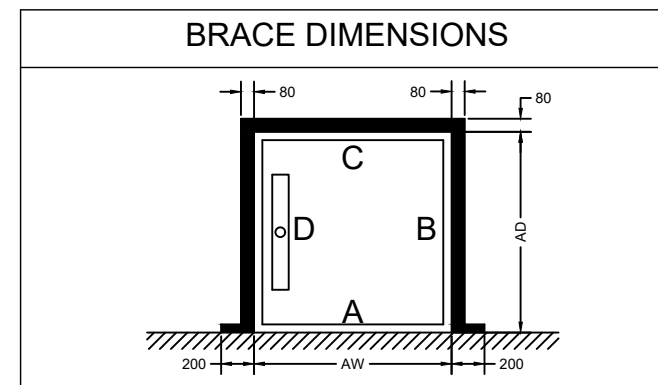
## SHAFT ANCHORING

|                                   |                   |
|-----------------------------------|-------------------|
| Pit (at the base of Each upright) | 8 Anchors         |
| Landing at stop 2                 | Brace + 4 Anchors |

## FIXING DETAILS

|              |    |
|--------------|----|
| Machine Side | D  |
| Fixing Side  | A  |
| 'C' Brace    | N1 |

## BRACE DIMENSIONS



## GUIDE FIXING



The anchorages of the guides must be positioned not exceeding 3.6 Metre distance from Pit floor.

### Waiver

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Information  
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**PL 805**  
29/09/2023



|                        |        |
|------------------------|--------|
| 1125 x 1425<br>Dim 'A' | 1185mm |
| 1025 x 1425<br>Dim 'A' | 1185mm |
| 975 x 1275<br>Dim 'A'  | 1035mm |

### PIT LOADS (daN)

|  |                        |    |     |
|--|------------------------|----|-----|
|  | Guide rail Load (each) | R1 | 712 |
|--|------------------------|----|-----|

### LOADS UNDER THE STRUCTURE UPRIGHTS (daN)

|  |   |    |     |
|--|---|----|-----|
|  | Maximum reaction load under structure's upright | R2 | 287 |
|--|---|----|-----|

Structure Mass = 1148

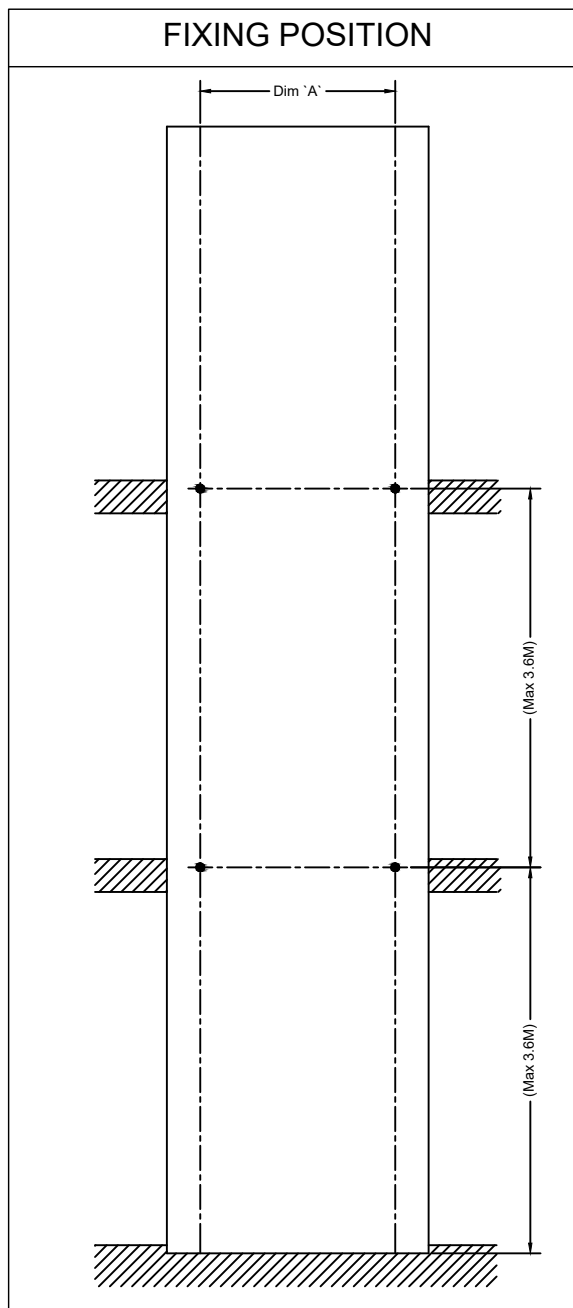
Total structure mass with glass panels

### FORCES ON GUIDE RAILS (daN)

|  |              |    |     |
|--|--------------|----|-----|
|  | x-axis force | Fx | 381 |
|  | y-axis force | Fy | 147 |

# Midlift PL Platform Lift

Loads and Fixings - 3 stop Upto 7M travel



# Stannah

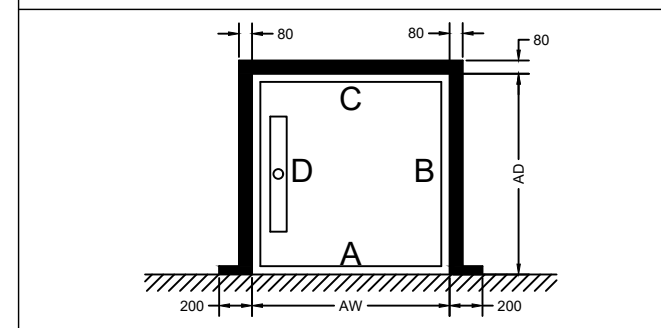
### SHAFT ANCHORING

|                                   |                   |
|-----------------------------------|-------------------|
| Pit (at the base of Each upright) | 8 Anchors         |
| Landing at stop 2                 | Brace + 4 Anchors |
| Landing at stop 3                 | Brace + 4 Anchors |

### FIXING DETAILS

|              |    |
|--------------|----|
| Machine Side | D  |
| Fixing Side  | A  |
| 'C' Brace    | N2 |

### BRACE DIMENSIONS



### GUIDE FIXING



The anchorages of the guides must be positioned not exceeding 3.6 Metre distance from Pit floor.

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Information  
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**PL 806**  
29/09/2023



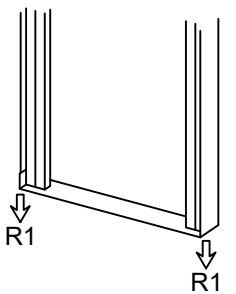
|                        |        |
|------------------------|--------|
| 1125 x 1425<br>Dim 'A' | 1185mm |
| 1025 x 1425<br>Dim 'A' | 1185mm |
| 975 x 1275<br>Dim 'A'  | 1035mm |

# Midilift PL Platform Lift

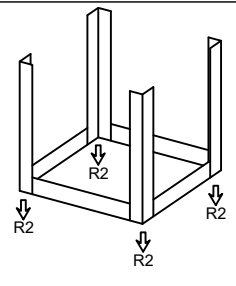
Loads and Fixings - 4 & 5 stop Upto 12M travel

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## PIT LOADS (daN)

|  |                        |    |     |
|--|------------------------|----|-----|
|  | Guide rail Load (each) | R1 | 929 |
|--|------------------------|----|-----|

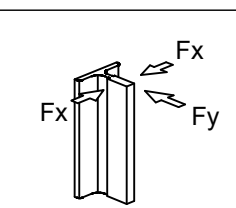
## LOADS UNDER THE STRUCTURE UPRIGHTS (daN)

|   |   |    |     |
|---|---|----|-----|
|  | Maximum reaction load under structure's upright | R2 | 522 |
|---|---|----|-----|

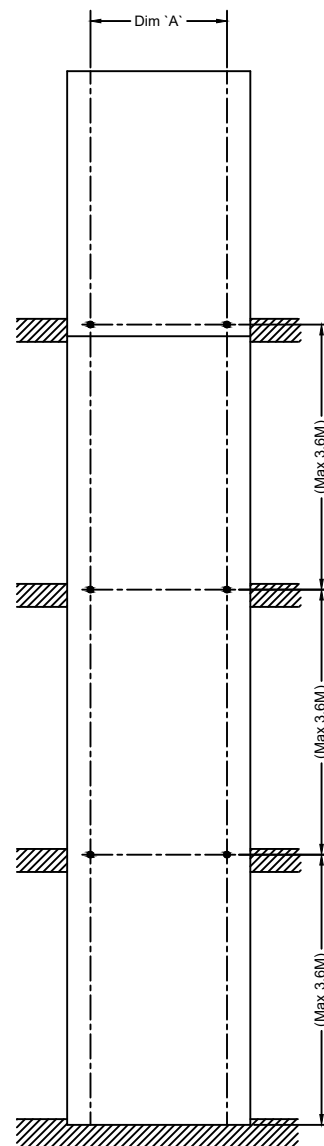
Structure Mass = 2088

Total structure mass with glass panels

## FORCES ON GUIDE RAILS (daN)

|  |              |    |     |
|--|--------------|----|-----|
|  | x-axis force | Fx | 381 |
|  | y-axis force | Fy | 147 |

## FIXING POSITION



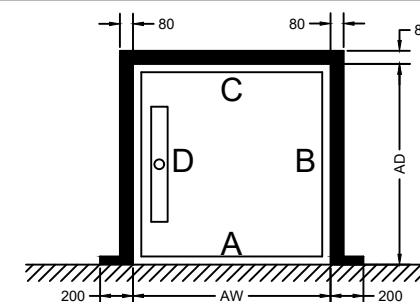
## SHAFT ANCHORING

|                                   |                   |
|-----------------------------------|-------------------|
| Pit (at the base of Each upright) | 8 Anchors         |
| Landing at stop 2                 | Brace + 4 Anchors |
| Landing at stop 3                 | Brace + 4 Anchors |
| Landing at stop 4                 | Brace + 4 Anchors |

## FIXING DETAILS

|              |    |
|--------------|----|
| Machine Side | D  |
| Fixing Side  | A  |
| 'C' Brace    | N4 |

## BRACE DIMENSIONS



## GUIDE FIXING



The anchorages of the guides must be positioned not exceeding 3.6 Metre distance from Pit floor.

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Information  
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**PL 807**  
29/09/2023

# Midilift PL Platform Lift

## Electrical Loadings & Requirements

1. Provide a dedicated single phase supply protected by a type `C` MCB. The lift supply is to terminate in a lockable isolator at position shown on builders work diagram.
2. Provide a 13 AMP electrical outlet socket adjacent to the lift installation at all levels. The supply to these sockets is not to be derived from the lift supply detailed in note B1 above.
3. Ensure that lighting at all landing levels is not less than 50 lux.

| Product PL<br>Platform Size | Load<br>(Kg) | Lift Speed<br>(m/s) | Start<br>Current | Rated<br>Run<br>Current | Starting<br>method | Motor size<br>(kW) | Protection<br>MCB |
|-----------------------------|--------------|---------------------|------------------|-------------------------|--------------------|--------------------|-------------------|
| 1125 x 1425                 | Kg 400       | 0.15 m/s            | 20 A             | 8.5 A                   | Direct on<br>line  | 2.2 Kw             | 20 Amp Type C     |
| 1025 x 1425                 | Kg 400       | 0.15 m/s            | 20 A             | 8.5 A                   | Direct on<br>line  | 2.2 Kw             | 20 Amp Type C     |
| 975 x 1275                  | Kg 340 -400  | 0.15 m/s            | 20 A             | 8.5 A                   | Direct on<br>line  | 2.2 Kw             | 20 Amp Type C     |

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Information  
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# Stannah