



Platform Lift Datasheets

Midilift CLS Low Pit Platform Lift Range

Stannah

Midilift CLS Low Pit Platform Lift Range Data Sheets

This technical data provides general guidance on the 385kg option 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 contact the Platform Lift Technical Team.

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*Midilift CLS Low Pit Platform Range outdoor/indoor,
hydraulic drive up to 12m travel*

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Midilift CLS Cabin Platform Lift

Datasheet for wall mounted - Shaft by others (400Kg capacity)

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Specifications:

Rated Load: 400kg
Rated Speed: 0.15m/s
Maximum Travel: 15m
Maximum number of stops: 7
Internal height of cabin enclosure: 2.1m
Controls: Automatic call controls as standard.
Noise Level: 57-63 dB

Notes:

- (1) All dimensions in mm unless stated.
- (2) Min Travel for same side entrance = Door frame height + 550mm
Min Travel for Opposite and Adjacent entrances = 500mm
- (3) Headroom is 2500mm from FFL based on 2100mm internal cabin height.
Headroom is calculated as:
Internal cabin height + 400mm for Single or Through entries
Internal cabin height + 500mm for Adjacent entries or if guides are rear mounted
- (4) Standard Pit depth 120mm from FFL. Deeper pit required for some flooring options
- (5) Min. lintel height required for standard door closers = 2300mm. (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) Range of cabin finishes available, please contact us for further information.

Electrical Requirements:

- (8) Provide a dedicated single phase supply protected by a 25amp type C MCB. The lift supply is to terminate in a lockable isolator at a position shown on builders work diagram.
Power is from 1.4 up to 4kW, depending on model selected
- (9) 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 8 above
- (10) Ensure that lighting at all landing levels is not less than 50lux.

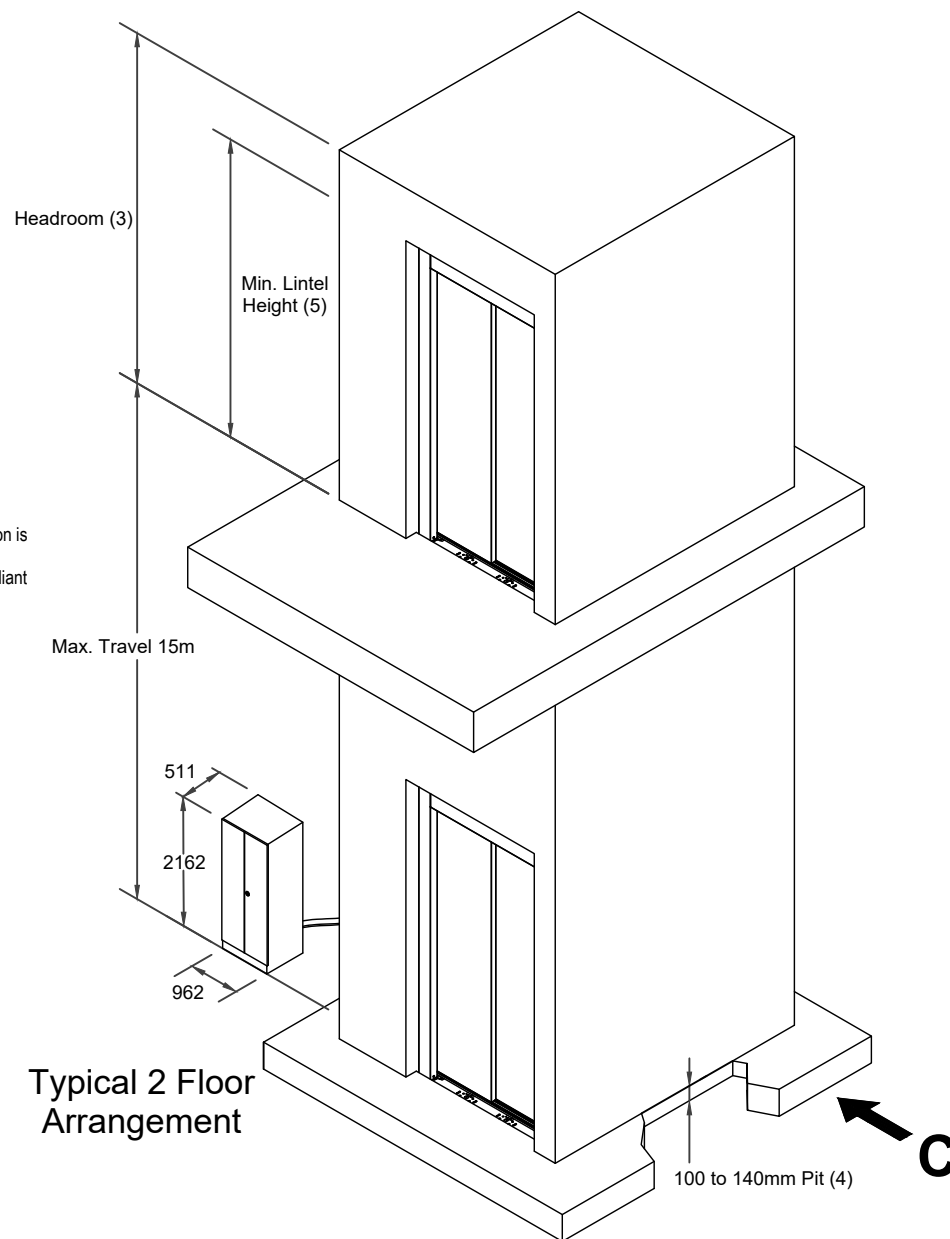
Fixings:

- (11) 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.

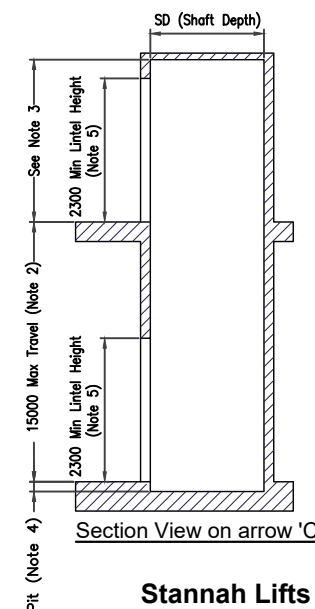
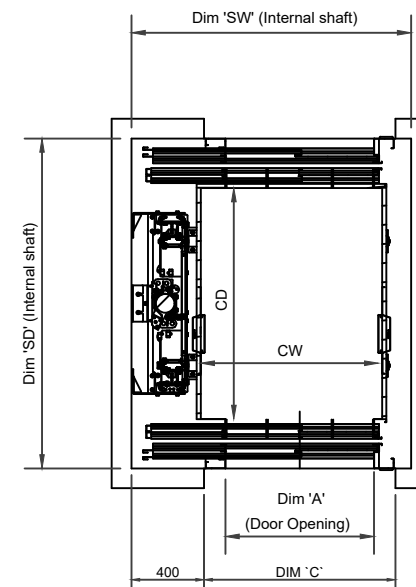
Control Equipment:

- (12) The drive unit and electrical control equipment are housed in a separate enclosure, which should be floor mounted and located within 10m of the base of the lift (guide side).

Cabin Size CW x CD	Door Opening Dim A	Door Config	Min Plumb Shaft Size (+50/-0)		Structural Opening Dim C
			SW	SD	
1100 x 1400 (6) *	800	Single Through	1450	1715 1920	1050
1100 x 1400 (6) **	900	Single Through	1550	1715 1920	1150



Typical 2 Floor
Arrangement



Section View on arrow 'C'

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.

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Information
sheet
CLS 801
15/09/2023



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Midlift CLS Cabin Platform Lift

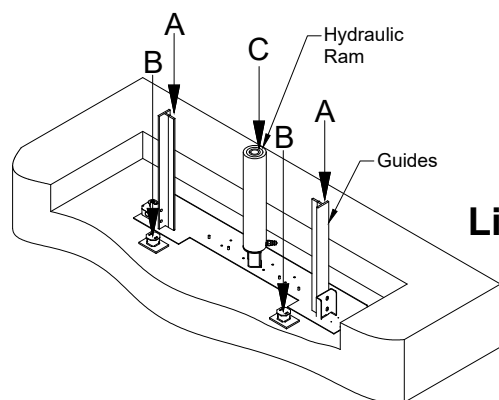
Explanation of loadings for wall mounted - Shaft by others (400Kg capacity)

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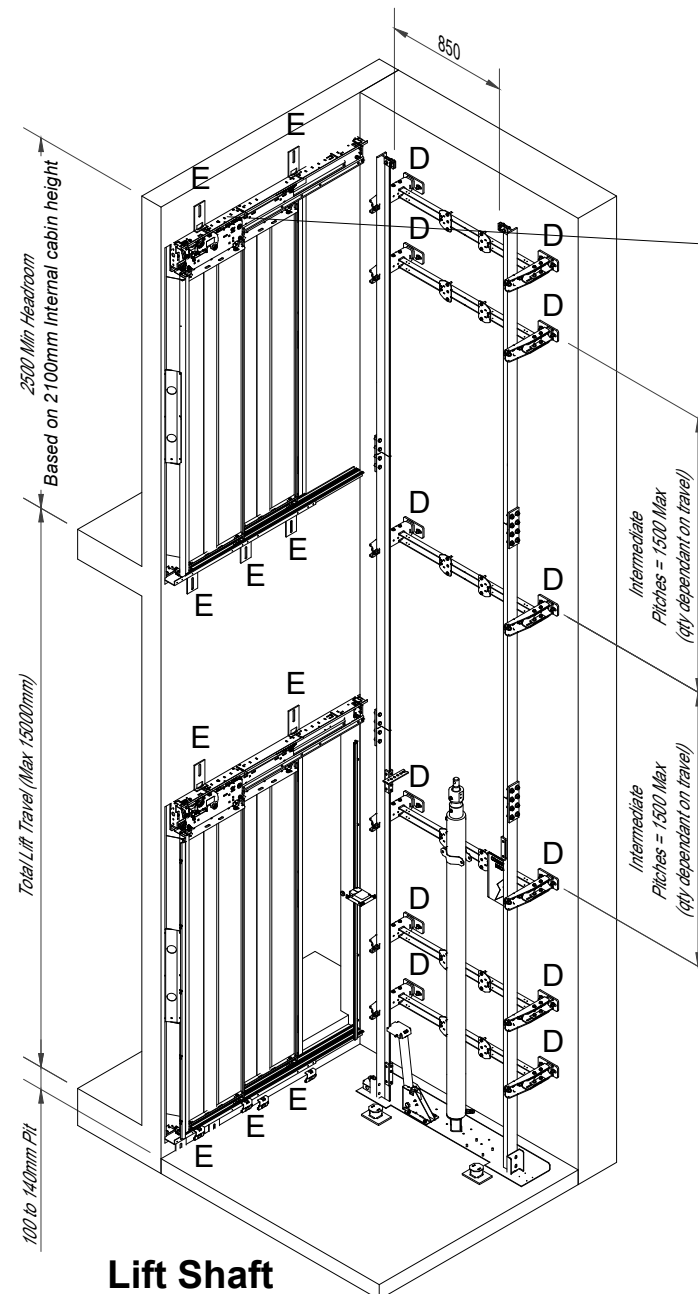
Position	X (kN)	Y (kN)	Z (kN)	Comments
A	0	0	+25.0 x 2	Vertical load at the base of each car guide
B	0	0	+29.4 x 2	Vertical load at each car buffer
C	0	0	+29.4	Vertical load at the base of hydraulic ram
D	-7.6	±2.45	+19.9	Guide fixing (stated loads shared between 2 fixings at each D position)
E	0	-0.3	+0.8	Door frame fixing at each entrance (loading directions relative to door orientation)

Notes:

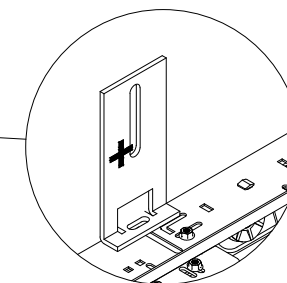
- Details provided apply to Midlift CLS indoor applications, max 15m travel, where all specified fixings can be made directly into solid substrate or structural members. The table & sketches show all loads from the lift.
- Loads**
Loads from the lift occur in all 3 axes (X, Y & Z). All values stated in the table are per position indicated in the sketches. All loads stated are for 'Standard cabin' conditions (of load & travel). For a more accurate Loads table please contact Stannah. Where appropriate impact factors have been accounted for.
- General Horizontal plane fixings**
Fixings at lettered positions (D and E) are compulsory. Forces apply in directions indicated in the table (note door loading, E are relative to door orientation). Positive directions shown in the sketch 'Positive axes'.
- Preferably, the lift well should not be situated above a space accessible to persons. If spaces accessible to persons exist below the lift well, then base of the pit shall be designed for an imposed load as indicated above in the Table.
- It shall be the customer's responsibility to ensure suitability of the building structure for the applied loads, both in terms of strength, & also suitability of the fixings proposed. If any doubts exist, it is advised that a structural engineer is consulted.
- All dimensions in mm unless otherwise stated.



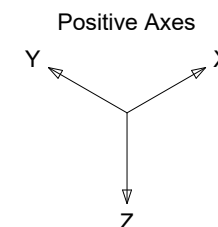
Lift pit detail typical



Lift Shaft
(Up to 15m travel)



Detail View
'A' fixings typical in 6 positions per door frame (Loading directions are relative to door orientation)



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19/07/2023

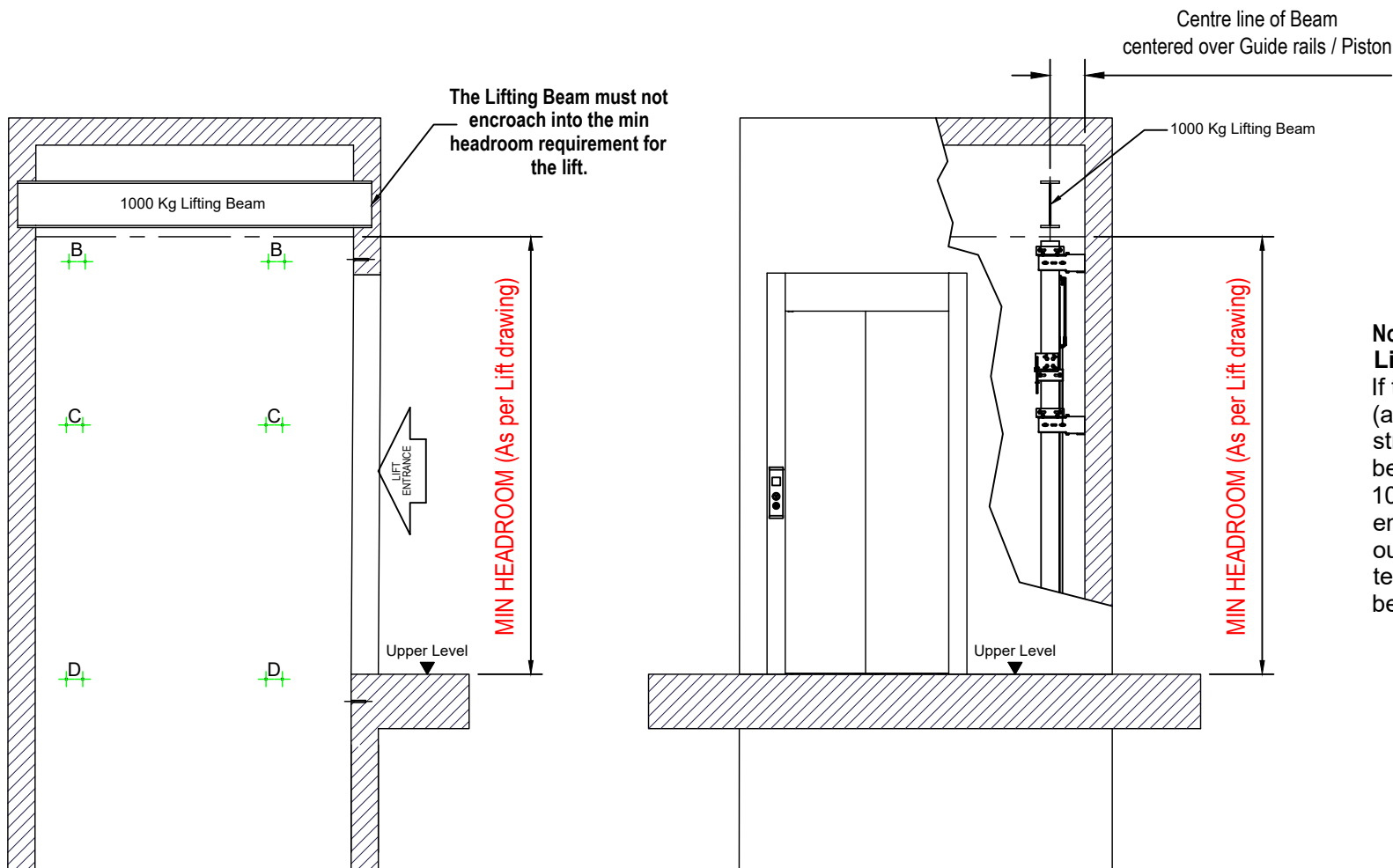


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Midilift CLS Cabin Platform Lift

Datasheet for Lift Beam for wall mounted option

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Notes:

Lifting Beam Important Note

If the quoted lift is to be wall mounted (as opposed to being provided within a structure), then we will require a lifting beam/eye rated at a minimum of 1000kg to be provided by others to enable the lift installation to be carried out. We will require a copy of the load test certificate for the lifting beam/eye before we can start on site.

Waiver

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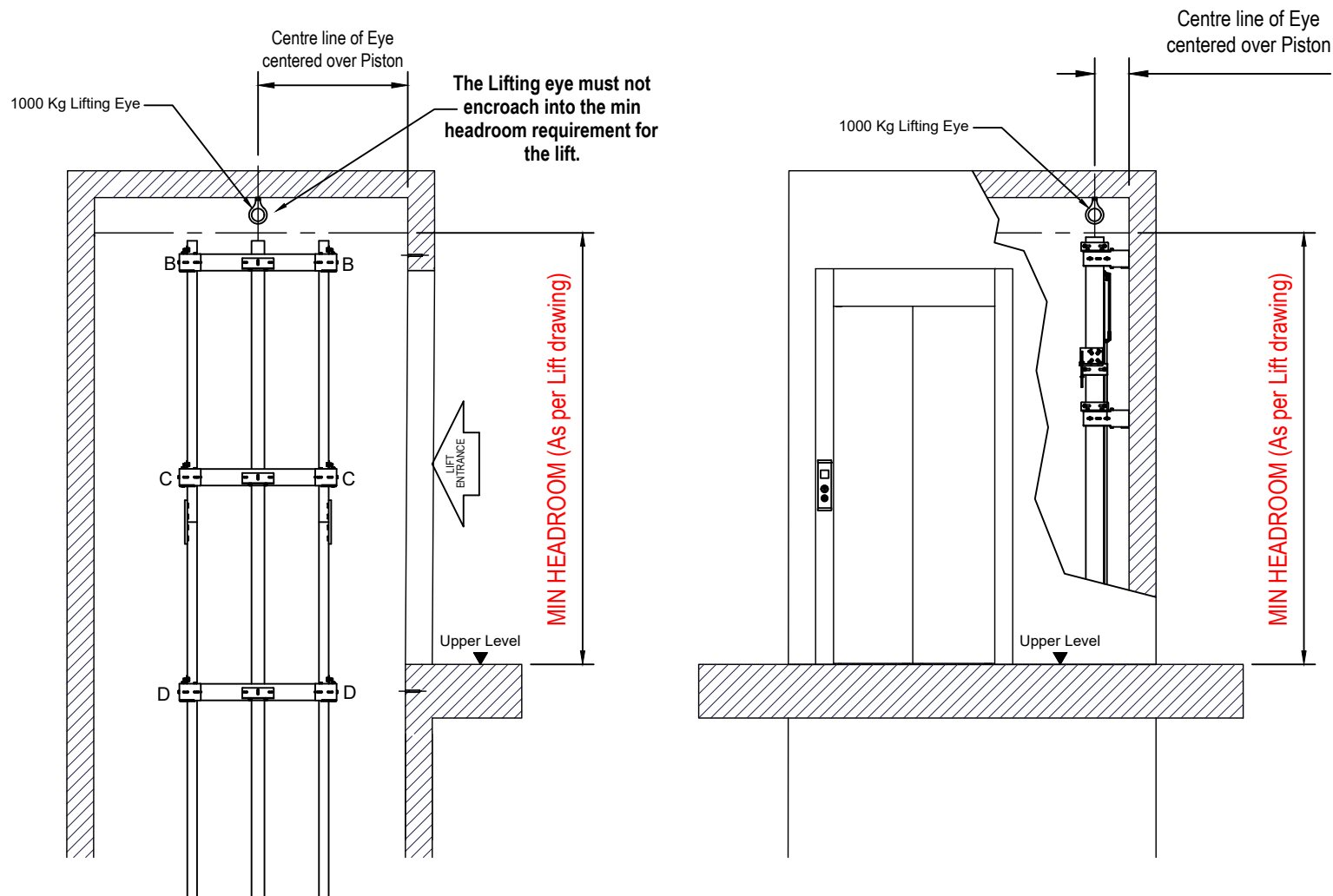


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Midilift CLS Cabin Platform Lift

Datasheet for Lifting eye for wall mounted option

Stannah



Notes:

Lifting Eye Important Note

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Midilift CLS Cabin Platform Lift

Datasheet for structure mounted option (400Kg capacity)

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Specifications:

Rated Load: 400kg
Rated Speed: 0.15m/s
Maximum Travel: 15m
Maximum number of stops: 7
Internal height of cabin enclosure: 2.1m
Controls: Automatic call controls as standard.
Noise Level: 57-63 dB

Notes:

- (1) All dimensions in mm unless stated.
- (2) Min Travel for same side entrance = Door frame height +550mm
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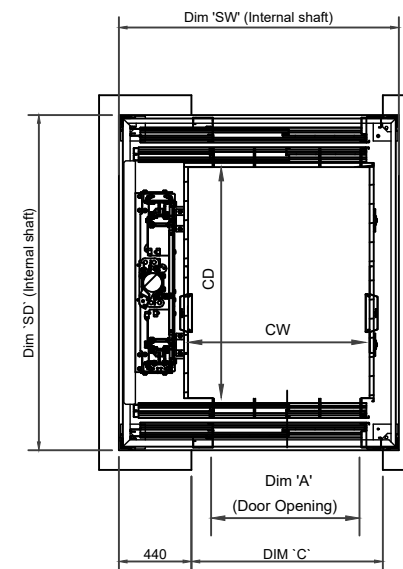
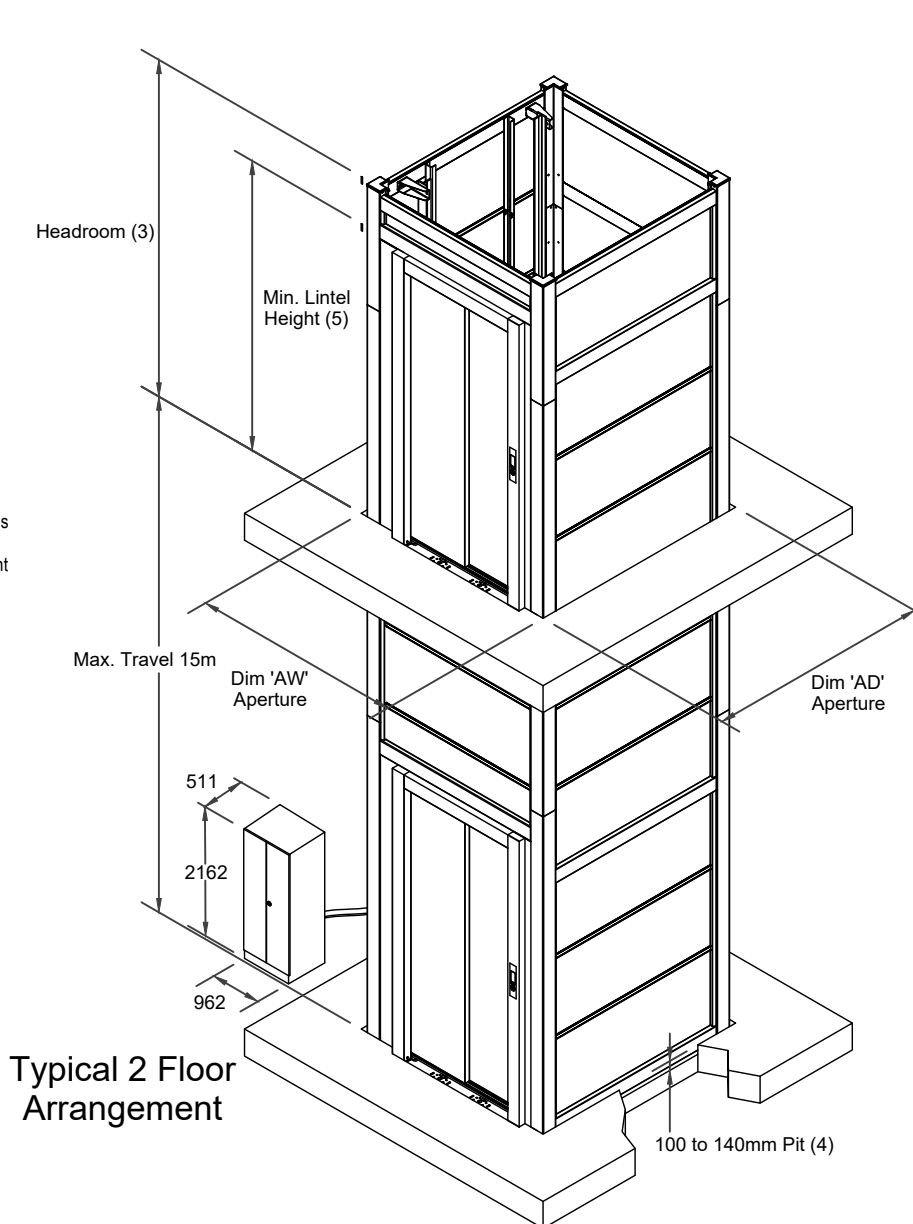
Fixings:

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Control Equipment:

- (12) The drive unit and electrical control equipment are housed in a separate enclosure, which should be floor mounted and located within 10m of the base of the lift (guide side).

Cabin Size CW x CD	Door Opening Dim A	Door Config	Aperture (+50/-0)		Structural Opening Dim C
			SW	SD	
1100 x 1400 (6) *	800	Single Through	1597	1827 2032	1050
1100 x 1400 (6) **	900	Single Through	1697	1827 2032	1150



Typical 2 Floor
Arrangement

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Information
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