



Passenger Lifts Data sheets

13 Person
Xtralift Core Range and
Maxilift Entry Level Range

Stannah

13 Person Passenger Lift Data Sheets

This technical data provides general guidance on the range of options and sizes available. We also provide CAD blocks and NBS lift specifications on all our products.

We can provide specific site solutions, including for existing lift shafts. For any queries regarding your project, to request budget quotes, or to discuss any detailed specifications please contact the Passenger Lift Technical Sales Team.

Email: **sales@stannah.co.uk**

Tel: **01264 339090**

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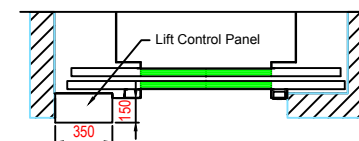
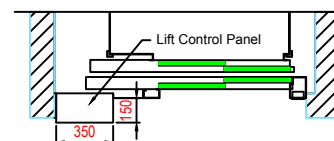
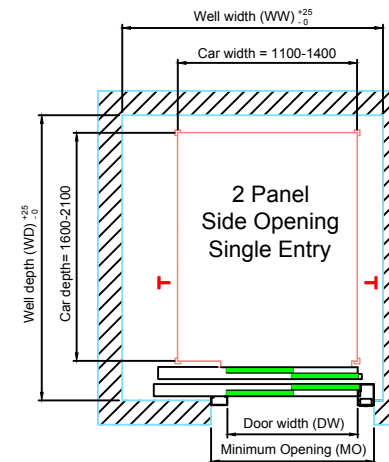
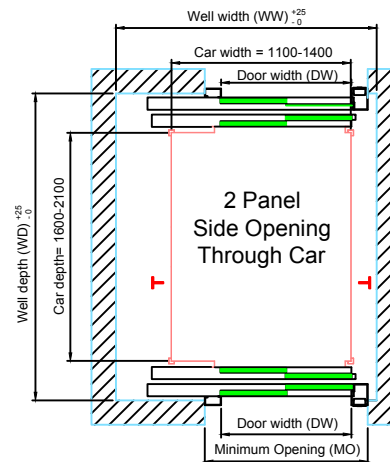
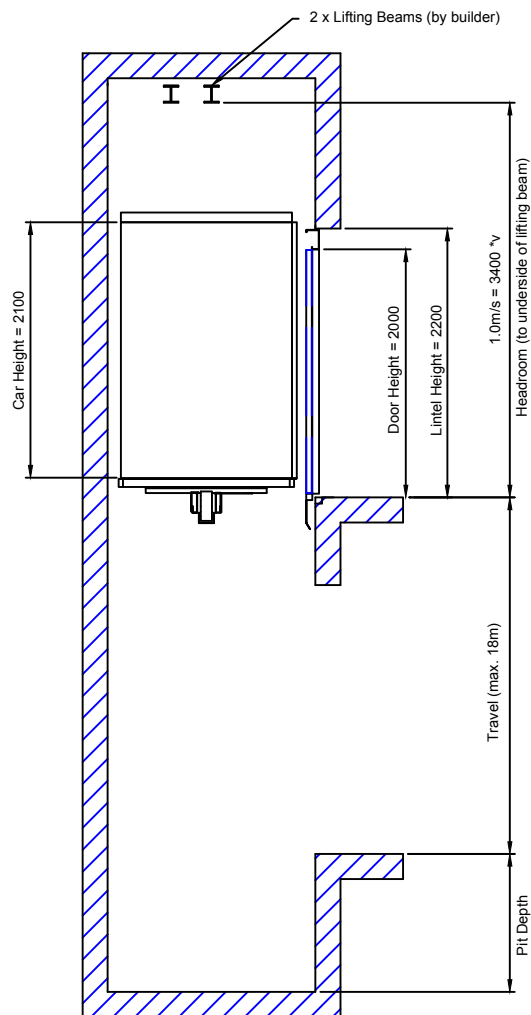
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13 Person (1000kg) Maxilift Entry Range Traction MRL Lift

Stannah



Lift Control Panel located at top floor or one level below. It can be mounted next to the landing entrance or remotely mounted within 3m of the lift shaft

	1000KG 13 passengers
Single Entry Min/Max WW	1600/1775
Single Entry Min/Max WD	2450/2720
Through Car WD	2585
Min/Max Pit Depth	1025/1500
Door Opening (DW x DH)	900 & 1000 x 2000/2100*

* For 2100mm high doors, car height should be 2200mm and minimum headroom 3500mm to u/s beam

* For Centre Opening Doors please add an additional 400mm to the underside of beam and headroom to account for EN81-20 requirements.

Waiver:

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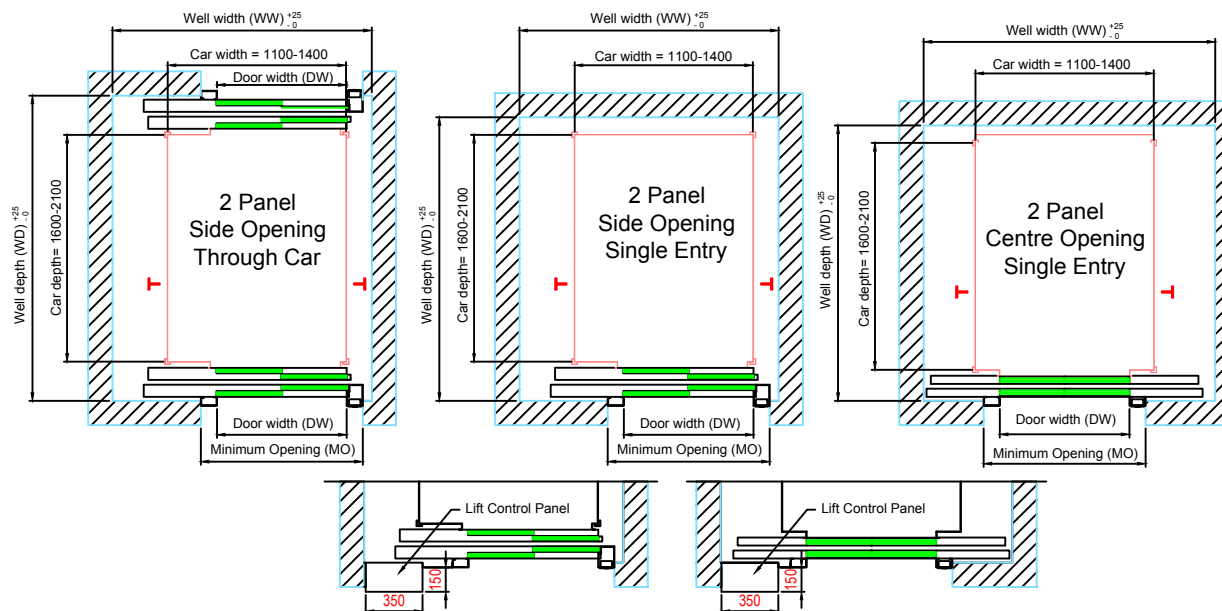
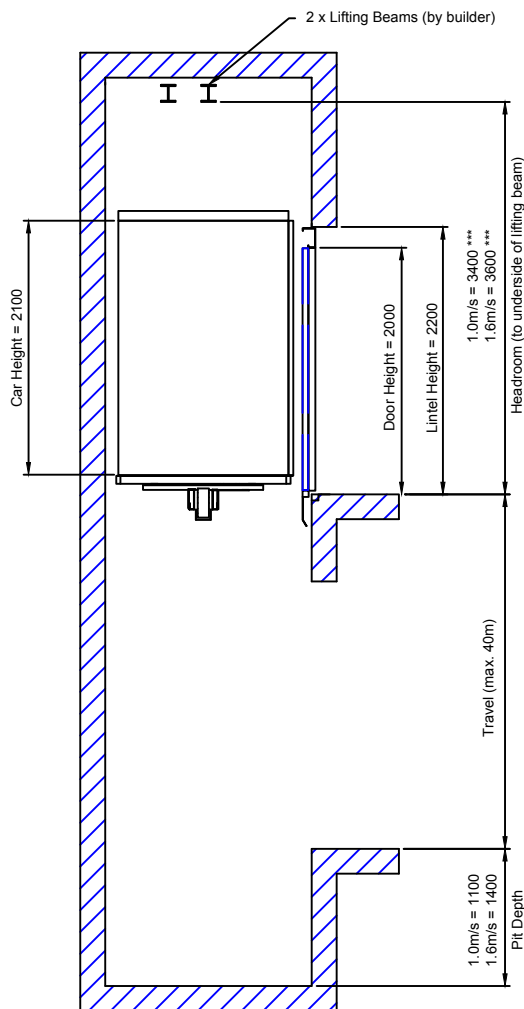
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Information
Sheet
M-13P
10/05/2022

13 Person (1000kg) Xtralift Core Range Traction MRL Lift

Stannah



Lift Control Panel located at top floor or one level below. It can be mounted next to the landing entrance or remotely mounted within 3m of the lift shaft

		Shaft Size (1 m/sec)				Shaft Size (1.6 m/sec)						Shaft Size (1 m/sec)				Shaft Size (1.6 m/sec)				
13 Person Car Size 1100mm W x 2100mm D Stretcher Car		Single Entrance		Through Entrance		Single Entrance		Through Entrance		13 Person Car Size 1400mm W x 1600mm D Commercial Car		Single Entrance		Through Entrance		Single Entrance		Through Entrance		
DW	Door type	WW	WD	WW	WD	WW	WD	WW	WD	DW	Door type	WW	WD	WW	WD	WW	WD	WW	WD	MO
900	Side Opening	1700	2450	1700	2600	1750	2450	1750	2600	900	Side Opening	2000	1950	2000	2100	2050	1950	2050	2100	1200
	Centre Opening	2000	2400	2000	2500	2000	2400	2000	2500		Centre Opening	2050	1900	2050	2000	2100	1900	2100	2000	

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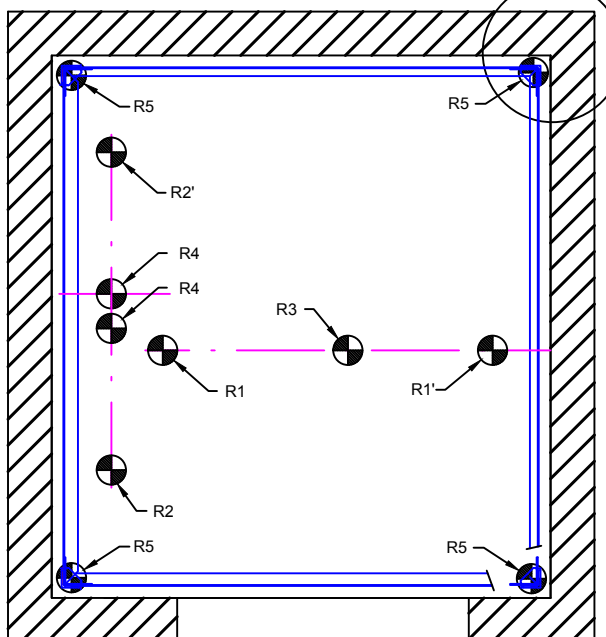
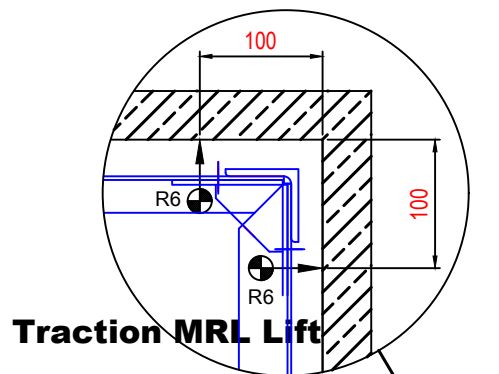
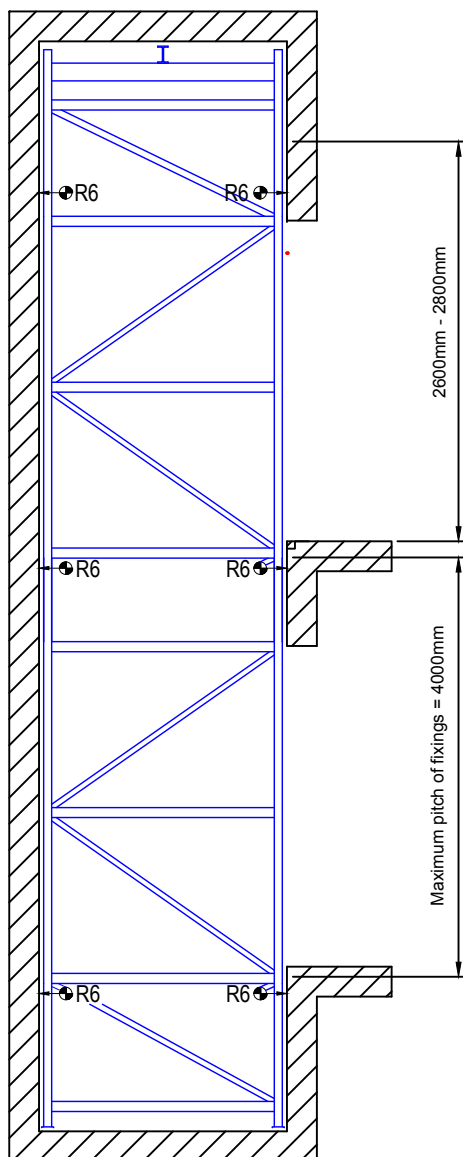
Information Sheet
T-13P
28/06/2022

Lift Frame (FX Structure) Loadings

Xtralift Core Range and Maxilift Entry Level Range

Stannah

Traction MRL Lift



EQUIVALENT DEAD LOADS IMPOSED
DUE TO LIFT OPERATION (kN)

8 Person		
Pit Floor Loadings	R1	19.63
	R2	13.21
	R3	24.57
	R4	18.39
	R5	90
Side Wall Loadings	R6	2

B - Notes:

- R1 = Dead load due to car plus load under safety gear operation
- R2 = Dead load below counterweight guides (without counterweight safety gear)
- R3 = Dead load due to car buffering
- R4 = Dead load due to counterweight buffering
- R5 = Dead load at base of structure in each corner

Note: Loads R3 and R4 do not act at the same time

The above figures are for guidance only and can change depending on specification and finishes.
Specific details will be supplied as part of Stannah Lifts Builders Work Drawing

Waiver:

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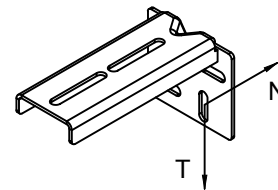
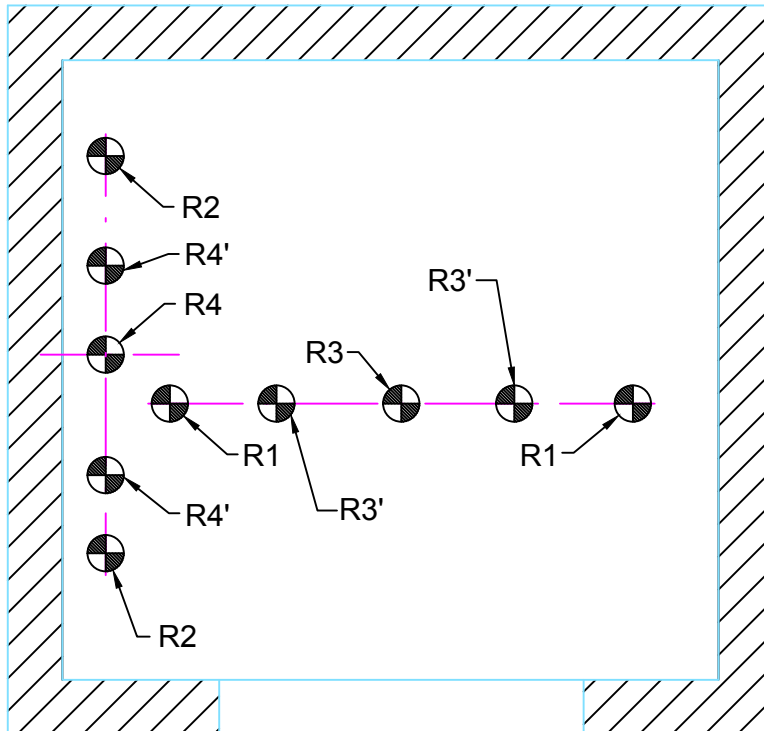
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6-17 Person Lift Loads

Xtralift Core Range and Maxilift Entry Level Range

Traction MRL Lift

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Guide Bracket Loads

		EQUIVALENT DEAD LOADS IMPOSED DUE TO LIFT OPERATION (kN)				
		6 Person	8 Person	10 Person *	13 Person	17 Person *
Pit Floor Loadings	R1	28	30	32	37.5	40
	R2	21	23	24	28	36
	R3	57	63	69	88	106
	R3'	—	32	35	44	53
	R4	48	51	53	68	81
	R4'	16	17	18	23	27
Side Wall Loadings	T	0.85	1.1	1.2	1.8	2.4
	N	1.8	2.0	2.2	2.8	3.5

B - Notes:

R1 = Dead load due to car plus load under safety gear operation
R2 = Dead load below counterweight guides (without counterweight safety gear)
R3 (R3') = Dead load due to car buffering
R4 = Dead load due to counterweight buffering
T = Shear load on side wall at each guide bracket
N = Pull out load on side wall at each guide bracket

Note: Loads R3 and R4 do not act at the same time

Guide brackets are secured using M12 expansion fixings. The shaft must be capable of supporting this type of fixing and the imposed load.

The above figures are for guidance only and can change depending on specification and finishes.
Specific details will be supplied as part of Stannah Lifts Builders Work Drawing.

For the Car:
For 1.0m/s, 2 Buffers R3'
For 1.6m/s, 1 Buffer R3

For the Counterweight:
For 1.0m/s, 3 Buffers R4'
For 1.6m/s, 1 Buffer R4

* 10 and 17 person lifts only available in Xtralift Core Passenger Lift Range

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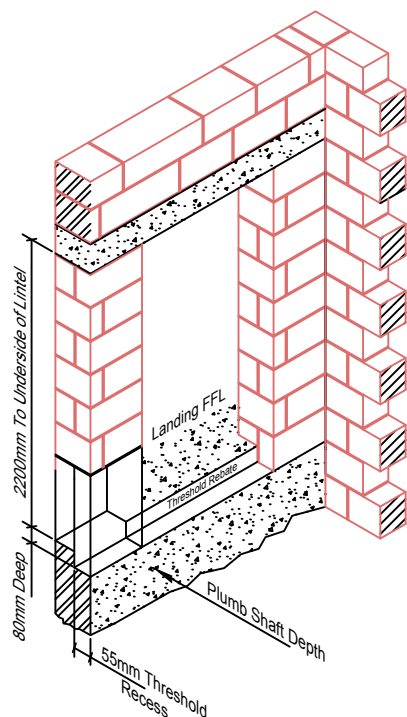
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Threshold Rebate Details

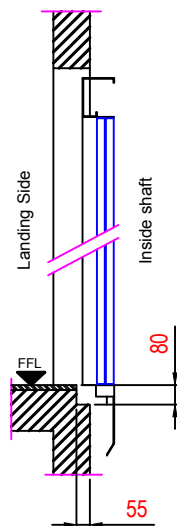
Xtralift Core Range and Maxilift Entry Level Range

Traction MRL Lift

Standard Arrangement (Doors mounted within lift shaft)

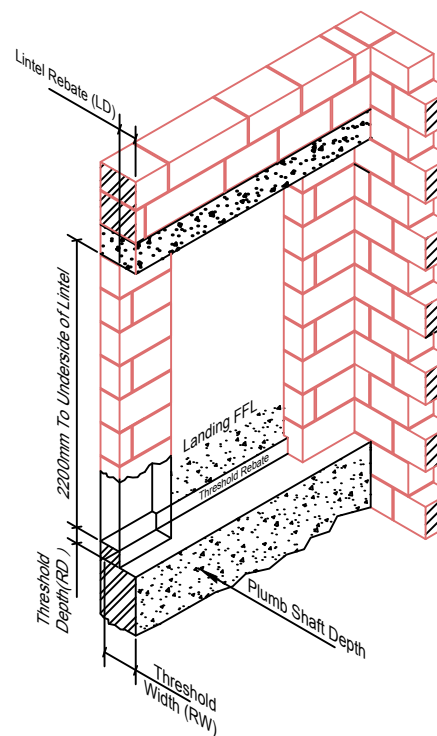


Without Entrance Rebate
(View looking out of shaft)

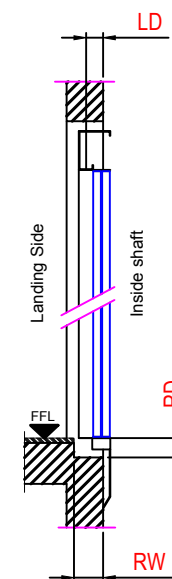


Reduced Shaft Depth Arrangement (Doors mounted on landing)

It is possible to reduce the required shaft depth by mounting the landing entrances on the landing. This can reduce the minimum shaft depth by the depth of the entrance rebate (LD), per entrance (please refer to shaft size data sheets). Please contact Stannah for further details.



With Entrance Rebate
(View looking out of shaft)



	Threshold Rebate		Entrance Rebate
Door type	RW	RD	LD
Side Opening	120	80	70
Centre Opening	100	80	45

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Passenger lift Electrical Loadings & Requirements

A permanent motor rated 415V, 3 phase, neutral & earth 50Hz supply shall be provided terminating in a wall mounted socket, suitably rated for the supply and conforming to the IEC 60309 standard, together with a matching plug.

The supply must be rated for the start/run currents stated below, lockable in the 'OFF' position at the building intake room and clearly labelled 'Lift Main Supply'.

		Maxilift Entry-level Range			Xtralift Core Range			Xtralift Core Range		
		1.0 m/s			1.0 m/s			1.6 m/s		
Lift Size	Load (kg)	Motor Power (kW)	Start Current	Nominal Current	Motor Power (kW)	Start Current	Nominal Current	Motor Power (kW)	Start Current	Nominal Current
6 Person	450	4	20.9	11.2	4	20.9	11.2	8	40.0	22.8
8 Person	630	5	26.8	14.1	5	26.8	14.1	8	40.0	22.2
10 Person	800				6	29.7	17.3	12.8	61.6	34.9
13 Person	1000	7	34.0	17.6	7	34.0	17.6	12.8	61.6	34.9
17 Person	1275				10.2	53.5	29.7	17.7	59.4	36
21 Person	1600				19	75.6	32	27.2	96.3	45
26 Person	2000				21.8	77.4	36	35.4	122.4	68
33 Person	2500				21.8	77.4	43	40.8	144.0	80

Please note the electrical loading for an individual passenger lift is affected by travel & weight, the latter of which includes cabin finishes. Due to this we always recommend you refer to the exact specification given on builder's work drawings or speak to your technical sales consultant, particularly if the passenger lift car finishes have, or are likely to be, changed.

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