

25 Series – Residential Elevator – Specification



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Introduction

The 25 Series Residential Elevator is a motor (hoist) driven cantilever platform. The unit is capable of raising a load of up to 500 lbs (230 kg) through a maximum of 13' 9 3/8" (4.2m) between two floors.

The product is designed in accordance with BS 5900:2012 and Machinery Directive 2006/42/EC, referencing the relevant sections of EN 81-41.

Intended for use in domestic installations by up to two persons standing or a single wheelchair user and carer [2' 9 7/16" x 4' 1 3/16" (850x1250 model)].

Suitable for internal domestic environments.

Special consideration has been given to the location, dimensions and available options for controls allowing for safe and unaided use by persons with impaired mobility whether ambulant or in a wheelchair. Controls are provided in the lift car and at both floors making both unattended and attended use possible.

Various keyswitch options are available allowing the lift to be isolated if required so that usage can be limited to authorized individuals.

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Technical Specification Summary	
	Traction
Application	Private use by ambulant and wheelchair users
Lift Safe Working Load	500 lbs (230 kg)
Trapdoor Safe Working Load	500 lbs (230 kg)
Cabin Head Height	5' 10 ⁷ / ₈ " (1800mm), 6' 2 ¹³ / ₁₆ " (1900mm), 6' 6 ³ / ₄ " (2000 mm)
Minimum Platform (w)x(l)	1' 9 ⁵ / ₁₆ " (542mm) x 2' 5 ¹ / ₂ " (750mm)
Minimum Footprint (w)x(l)	2' 7 ¹ / ₈ " (790mm) x 3' 7 ¹ / ₄ " (1098mm)
Maximum Platform (w)x(l)	2' 9 ⁷ / ₁₆ " (850mm) x 4' 1 ³ / ₁₆ " (1250mm)
Maximum Footprint (w)x(l)	3' 7 ¹ / ₄ " (1098mm) x 5' 2 ¹⁵ / ₁₆ " (1598mm)
Maximum Travel	13' 9 ³ / ₈ " (4.2m)
Rated Speed	16 fpm (0.08m/s)
Noise dB (1m/5m)	55 / 50
Power Supply	Single phase 120V
Electrical Requirements	Dedicated RCD protected supply
Low voltage operating system	24VDC Battery driven – do not disconnect from mains for extended periods
Input	120V AC / 15A - (0.75kW motor)
Duty Cycle	10 cycles/hour
Operating Temperature Range	14°F to 104°F (-10°C to +40°C)
Safety	Sensitive cap, bottom tray & Trapdoor. Overspeed & brake.
Lifting Mechanism	Rope suspension system
Design & Manufacturing Standard	Machinery Directive 2006/42/EC BS 5900:2012

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Options

Feature	Standard	Option
Drive	Traction	
Load rating	500 lbs (230 kg)	
Rated speed	16 fpm (0.08m/s)	
Cabin height	6' 2 13/16" (1900mm)	5' 10 7/8" (1800mm), 6' 6 3/4" (2000 mm)
Travel	13' 9 3/8" (4.2m)	
Lift Colour	RAL 7035	Custom
Vision panels	3/16" (4 mm) Acrylic	3/8" (10 mm) Acrylic
Rear side panels	RAL 7042	Mirror/Custom
Flooring	Grey Anti-slip vinyl	Marble/Oak/Custom
Rail guards	Transparent	
Controls	Remote (radio)	Surface/flush (wired)
Alarm	Yes	
Diagnostic display	4 line LCD	7" colour LCD
LED lighting	White	Colour changing
Door operation	Manual	Powered
Door handrail	Yes	
Cabin handrail	No	With/without controls
Tip-up seat	No	265 lbs (120 kg)
Emergency telephone	Yes	Autodialler
1 st Floor Ceiling fix	Yes	Wall fix
Custom finish	No	P.O.R

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Handing



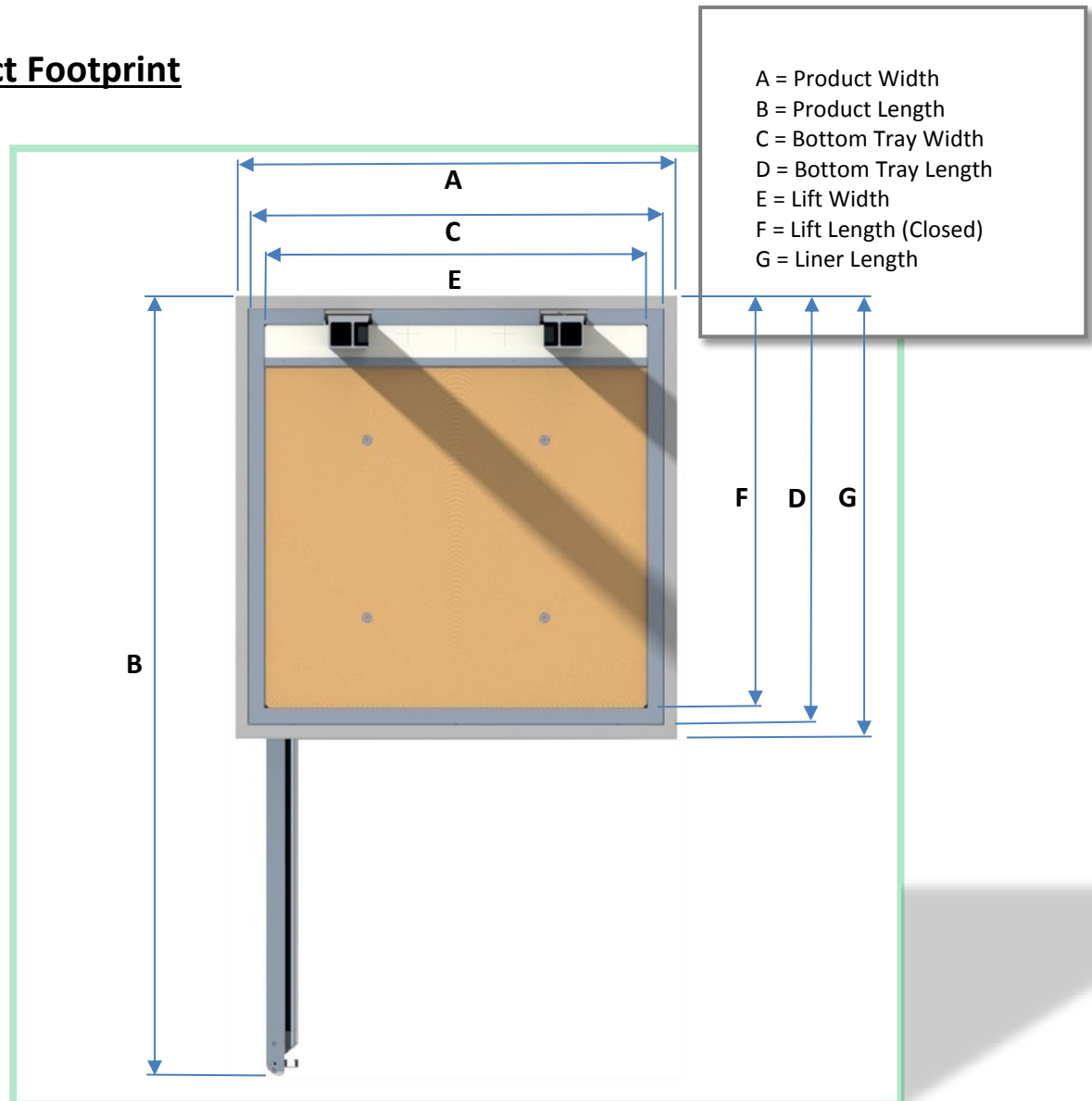
Left Hand



Right Hand

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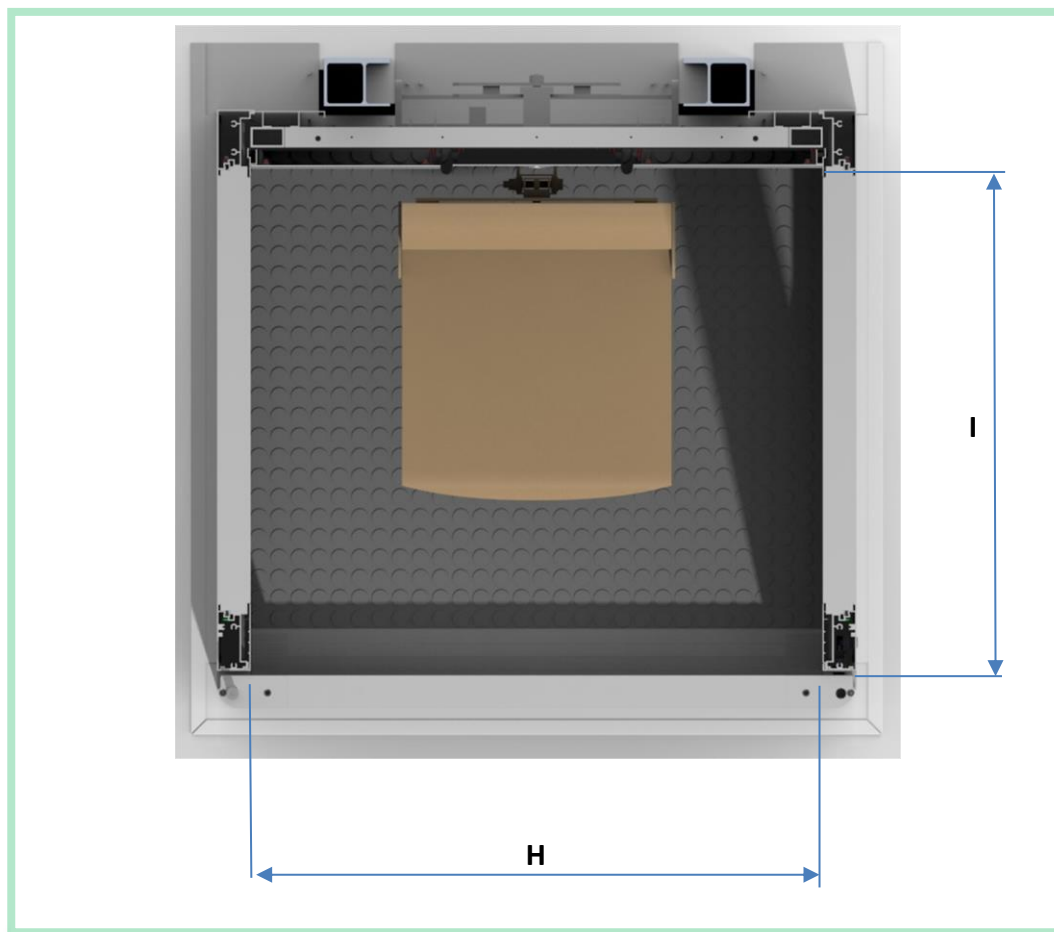
Product Footprint



Dimension >	A	B	C	D	E	F	G
Lift							
1' 9 ⁵ / ₁₆ " x 2' 5 ¹ / ₂ " (542mm x 750mm)	2' 7 ¹ / ₈ " (790mm)	5' 3 ³ / ₄ " (1620mm)	2' 4 ³ / ₈ " (720mm)	3' 5 ⁷ / ₈ " (1063mm)	2' 1 ¹ / ₄ " (642mm)	3' 4 ³ / ₈ " (1025mm)	3' 7 ¹ / ₄ " (1098mm)
2' 9 ⁷ / ₁₆ " x 2' 5 ¹ / ₂ " (850mm x 750mm)	3' 7 ¹ / ₄ " (1098mm)	6' 3 ⁷ / ₈ " (1928mm)	3' 4 ¹ / ₂ " (1028mm)	3' 5 ⁷ / ₈ " (1063mm)	3' 1 ³ / ₈ " (950mm)	3' 4 ³ / ₈ " (1025mm)	3' 7 ¹ / ₄ " (1098mm)
2' 9 ⁷ / ₁₆ " x 4' 1 ³ / ₁₆ " (850mm x 1250mm)	3' 7 ¹ / ₄ " (1098mm)	7' 11 ⁹ / ₁₆ " (2428mm)	3' 4 ¹ / ₂ " (1028mm)	5' 1 ⁹ / ₁₆ " (1563mm)	3' 1 ³ / ₈ " (950mm)	5' 1 ¹ / ₁₆ " (1525mm)	5' 2 ¹⁵ / ₁₆ " (1598mm)

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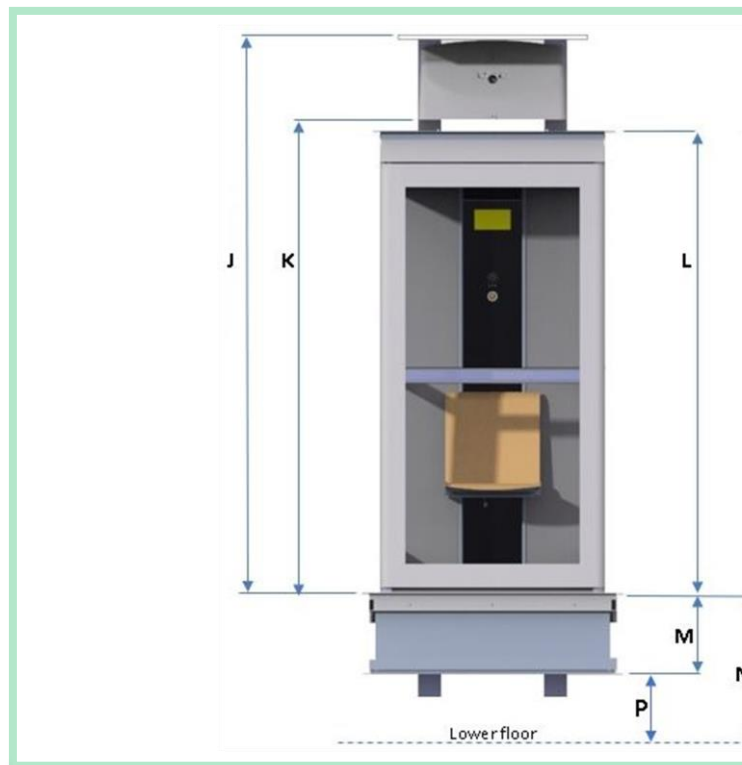
Usable Area



Dimension >		H	I
Lift			
1' 9 ⁵ / ₁₆ " x 2' 5 ¹ / ₂ " (542mm x 750mm)		1' 9 ⁵ / ₁₆ " (542mm)	2' 5 ¹ / ₂ " (750mm)
2' 9 ⁷ / ₁₆ " x 2' 5 ¹ / ₂ " (850mm x 750mm)		2' 9 ⁷ / ₁₆ " (850mm)	2' 5 ¹ / ₂ " (750mm)
2' 9 ⁷ / ₁₆ " x 4' 1 ³ / ₁₆ " (850mm x 1250mm)		2' 9 ⁷ / ₁₆ " (850mm)	4' 1 ³ / ₁₆ " (1250mm)

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Product Heights



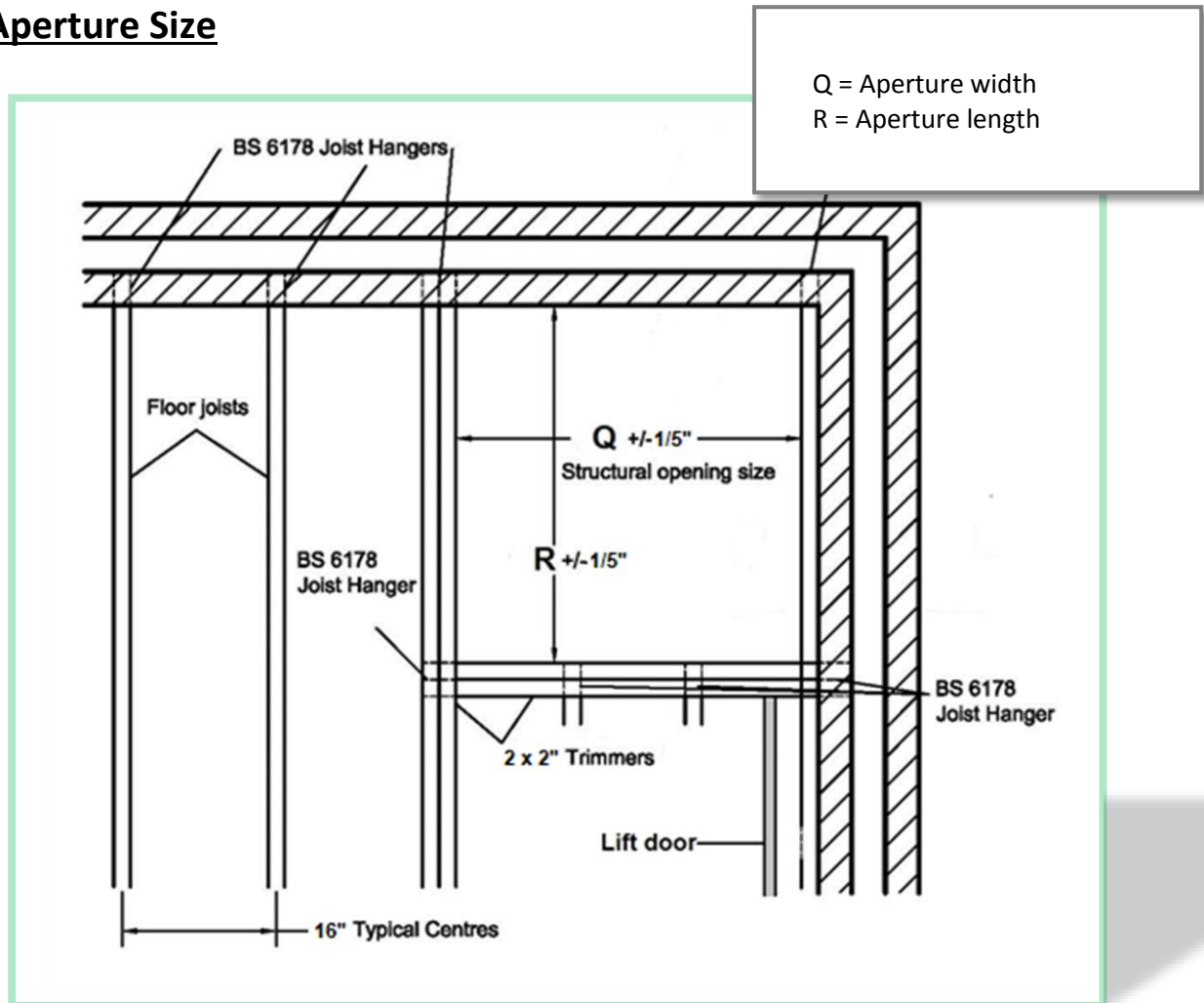
J = Min upper ceiling height
K = Clearance under mount
L = Cabin height + trap
M = Max aperture depth
N = Min travel
P = Min lower ceiling height

Dimension >	J ⁽³⁾	K	L	M	N _{min}	N _{max}	P _{min}
Lift							
Traction - 1.8 m cabin	7' 5 ¹⁵ / ₁₆ " (2285mm)	6' 6 ¹ / ₁₆ " (1982mm)	6' 5 ¹ / ₁₆ " (1957mm)	1' 5 ¹¹ / ₁₆ " (450mm)	6' 6 ³ / ₄ " (2000mm)	13' 9 ³ / ₈ " (4200mm)	6' 13 ¹ / ₁₆ " (1850mm)
Traction - 1.9 m cabin	7' 9 ⁷ / ₈ " (2385mm)	6' 9 ¹⁵ / ₁₆ " (2082mm)	6' 9" (2057mm)	1' 5 ¹¹ / ₁₆ " (450mm)	6' 10 ¹¹ / ₁₆ " (2100mm)	13' 9 ³ / ₈ " (4200mm)	6' 4 ³ / ₄ " (1950mm)
Traction - 2.0 m cabin	8' 1 ¹³ / ₁₆ " (2485mm)	7' 1 ⁷ / ₈ " (2182mm)	7' ¹⁵ / ₁₆ " (2157mm)	1' 5 ¹¹ / ₁₆ " (450mm)	7' 2 ⁵ / ₈ " (2200mm)	13' 9 ³ / ₈ " (4200mm)	6' 8 ¹¹ / ₁₆ " (2050mm)

(3) Measured to underside of spreader board

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Aperture Size

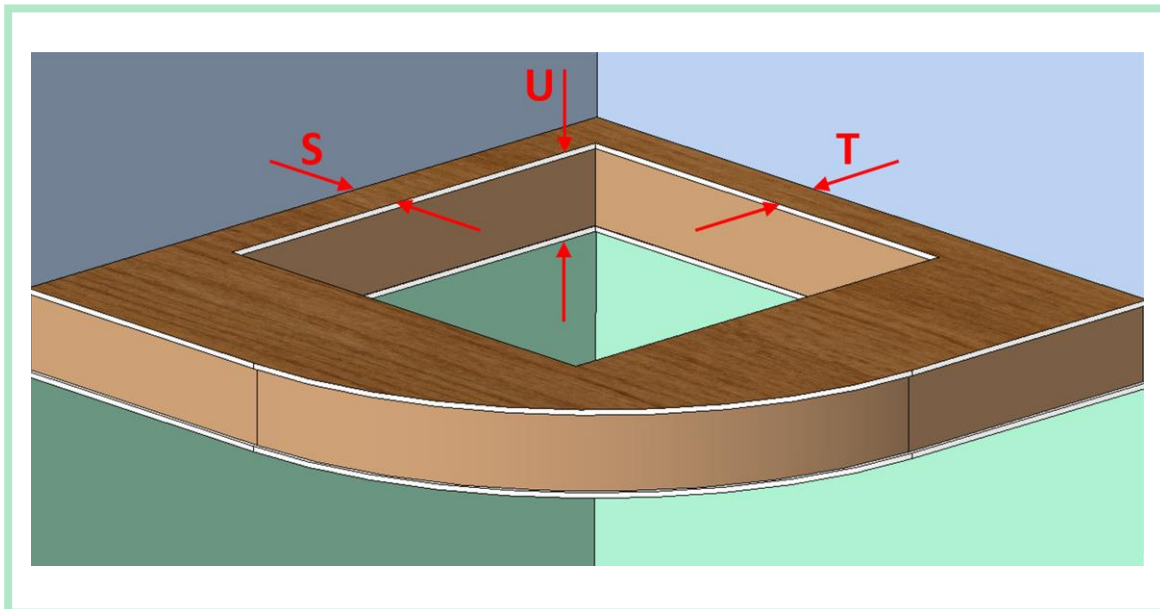


Dimension >	Q	R (Traction)
Lift		
1' 9 ⁵ / ₁₆ " x 2' 5 ¹ / ₂ " (542mm x 750mm)	2' 5 ³ / ₄ " (755mm)	3' 6 ¹¹ / ₁₆ " (1085mm)
2' 9 ⁷ / ₁₆ " x 2' 5 ¹ / ₂ " (850mm x 750mm)	3' 5 ¹³ / ₁₆ " (1062mm)	3' 6 ¹¹ / ₁₆ " (1085mm)
2' 9 ⁷ / ₁₆ " x 4' 1 ³ / ₁₆ " (850mm x 1250mm)	3' 5 ¹³ / ₁₆ " (1062mm)	5' 2 ³ / ₈ " (1585mm)

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Installed Clearances (aperture position)

S = Min clearance to side wall
T = Min clearance to rear wall



Dimension >	S	T	U _{min} ⁽⁵⁾	U _{max} ⁽⁶⁾
	(measured from skirting)			
Lift				
Traction	0' 1 3/16" (30mm)	0' 0" (0mm)	0' 7 1/2" (190mm)	1' 5 11/16" (450mm)

(5) Aperture depth will need increased if less than 190mm

(6) Aperture depth will need reduced if greater than 450mm

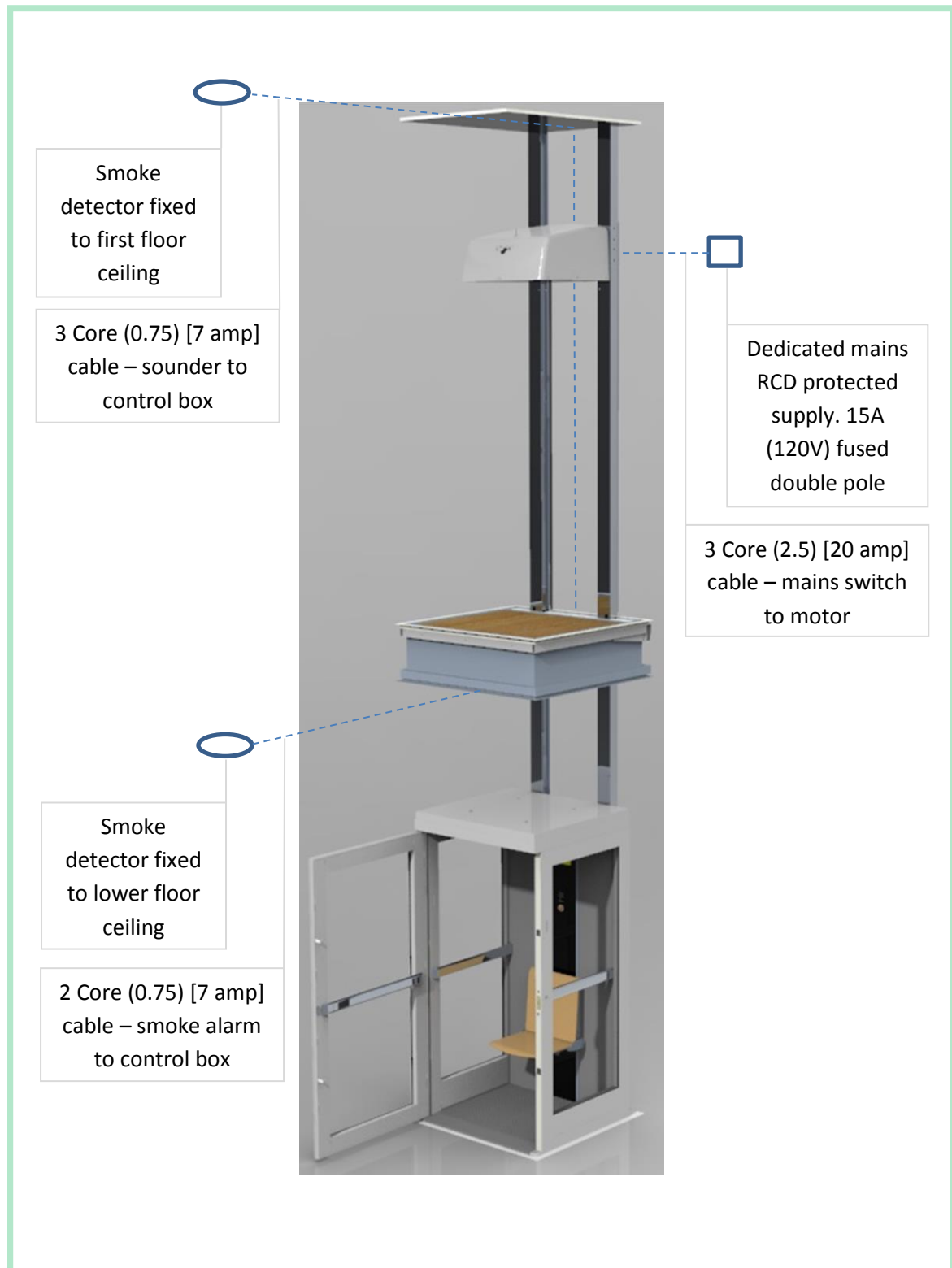
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Maximum Trapdoor Flooring Thickness & Weight

Lift Size/ Type	Trapdoor Type	Max Thickness	Max Weight
1' 9 ⁵ / ₁₆ " x 2' 5 ¹ / ₂ " (542mm x 750mm)	MDF	1/4" (6mm)	11lbs (5kg)
2' 9 ⁷ / ₁₆ " x 2' 5 ¹ / ₂ " (850mm x 750mm)	MDF	1/4" (6mm)	11lbs (5kg)
2' 9 ⁷ / ₁₆ " x 4' 1 ³ / ₁₆ " (850mm x 1250mm)	MDF	1/4" (6mm)	11lbs (5kg)

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Electrical Ducting



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Registered Office:
Pollock Lifts, Unit1, Sloefield Drive,
Trooperslane Industrial Park,
Carrickfergus, County Antrim,
BT38 8GX
Tel: 028 9336 8167
Fax: 028 9336 7846

EC Declaration of Conformity

In accordance with EN ISO 17050-1:2010

We **Pollock Lifts**
of **Unit 1, Sloefield Drive,
Trooperslane Industrial Estate,
Carrickfergus, Co. Antrim
N. Ireland, BT38 8GX.**

in accordance with the following Directive(s):

2006/42/EC	The Machinery Directive
2014/30/EU	Electromagnetic Compatibility (EMC) Directive

Hereby declare that:

Equipment	Pollock Residential HomeLift Serial No. 2518xxx
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Referenced Standards:

BS EN 81-41:2010

Safety rules for the construction and installation of lifts. Special lifts for the transport of persons and goods. Vertical lifting platforms intended for use by persons with impaired mobility

ISO 9386-1:2000 Ed 1

Power-operated lifting platforms for persons with impaired mobility - Rules for safety, dimensions and functional operation. Part 1: Vertical lifting platforms

BS 5900:2012

Powered homelifts with partially enclosed carriers and no liftway enclosures - Specification.

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications and is in accordance with the requirements of the Directive(s)

Signed by:.....



Name: **Saunders Graham**
Position: **Managing Director**

Done at: **Carrickfergus**On: **dd/mm/2018**

The technical documentation for the machinery is available from:

Name: **Pollock Lifts Ltd.**
Address: **Unit 1, Sloefield Drive, Trooperslane Industrial Estate,
Carrickfergus, Co. Antrim, N. Ireland, BT38 8GX.**

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 <p>Total Quality. Assured.</p>		AUTHORIZATION TO MARK	
<p>This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.</p> <p>This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.</p>			
Applicant: Pollock Lifts Ltd. Address: Unit 1, Sloefield Drive Carrickfergus, Co.Antrim, BT38 8GX Country: N. Ireland Contact: Gerry Garvey Phone: 044 2893 368167 FAX: None Email: ggarvey@pollocklifts.co.uk	Manufacturer: Pollock Lifts Ltd. Address: Unit 1, Sloefield Drive Carrickfergus, Co.Antrim, BT38 8GX Country: N. Ireland Contact: Gerry Garvey Phone: 044 2893 368167 FAX: None Email: ggarvey@pollocklifts.co.uk		
Party Authorized To Apply Mark: Same as Manufacturer Report Issuing Office: Coquitlam, B.C. Canada			
Control Number: <u>5019530</u>		Authorized by:  for L. Matthew Snyder, Certification Manager	
			
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ATM for Report 104475981COQ-001		ATM Issued: 17-Mar-2021	

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Standard(s):	Safety Code for Elevators and Escalators - Includes Requirements for Elevators, Escalators, Dumbwaiters, Moving Walks, Material Lifts, and Dumbwaiters with Automatic Transfer Devices [ASME A17.1/CSA B44:2019]
	Elevator and Escalator Electrical Equipment [ASME A17.5:2019 Ed.6]
	Elevator and Escalator Electrical Equipment [CSA B44.1:2019 Ed.6]
Product:	Residential Elevator
Models:	25 Series – Residential Elevator

Document Revision History

Issue:	Change No.	Description of Change:	Initials:	Date:
A	-----	Initial Release	PTM	12/05/20
B	-----	N/A skipped to sync Rev with 25900952		
C	CR1093	Page 8 – table updated to include hydraulic aperture sizes. Page 9 – diagram revised, Dim U added.	PTM	10/02/21
D	CR1173	Page 7 – minimum lower ceiling height (P_{min}) added. Page 9 – Note added under S & T dims.	PTM	16/03/21
E	CR1205	Page 3 - Standard Cabin height 1.9m. Hight Speed motor not available.	TL	23/09/21
F	CR1221	ASME specification update	NJ	04/02/22