SPECIFIYING GUIDE Lifestyle Classic

ED30501M





DESIGNED & MANUFACTURED IN BRITAIN

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Introduction

The Lifestyle Classic is an inter-floor lift designed for one standing/seated person, travelling between fixed floor levels in private residences with a maximum carrying capacity of 250 kg.

This lift functions without a traditional lift shaft and includes an automatic infill panel, ensuring safety by securing the aperture when parked at either landing.

Emergency communication is available through a standard telephone provided within the car. Additionally, both the aperture infill and the car underpan feature half-hour fire-rated panels as a standard safety measure.

The lift car panels are constructed from powder-coated steel, offering easy cleaning using common household cleaners. Upholstery, made from high-quality contract materials, can be cleaned in the same manner, as can the toughened and laminated glass.

The lift car panels are constructed from powder-coated steel, facilitating effortless cleaning with standard household cleaners. Likewise, the upholstery, composed of high-quality contract materials, and the toughened and laminated glass can be easily cleaned using the same method.

End-user / Client and Environmental Considerations

Final lift selection should include full consultation with the client and/or their authorised representative. The following should be discussed and agreement obtained:

- · Basic principles of lift operation and safety features.
- Location of lift and ease of access at lower and upper levels.
- Duty cycle (See Page <?> Technical Details).
- Check that the load capacity of 250 kg will not be exceeded.
- Long term suitability of equipment and long term user mobility i.e. will client require/ change wheelchair or become incapable of operating existing controls?
- Overall space requirements of the lift including turning requirements of wheelchair. (Where user is assisted on and off lift, a larger turning circle may be required).
- Location of lift charger box.
- The extent of the intended preparatory work and the time period involved.
- Any deviation from the standard options listed in this specifier's guide must be approved by Terry Group Ltd.
- In the event of a change to client requirements or specification, a new completed survey & specification sheet and quotation would be required rather than modifications to current documents.
- Determine if Local Authority documents are required, e.g. Building Notices and confirm who will be submitting them.

Technical Specification

Hydraulic drive system provides the following benefits

Exceptionally smooth and quiet operation by virtue of remote power unit

Inherent safety system to guard against free fall of car

Flexibility of installation – minimal headroom required in first floor room and guides can be installed across windows or against non-load bearing walls

Standard features are as follows

Designed and manufactured to BS5900:2012 as applicable. Exova Warrington Fire Research Centre assessment WF320926

Glass panel set - clear

Transfers on glass with 'Lifestyle' name

Door handle push plate - stainless steel

Ceiling plate with concealed lighting

Upper and lower rear panels - painted silver

Mid rear panel and straight hand rail - brushed stainless steel

Floor edge trim - stainless steel

Curved car rear panels - painted white

False ceiling (in aperture) painted white

Wireless control stations at both floors which include direction, stop, and door open/close controls. Car station has a stainless steel touch sensitive panel and the upper and lower call station controls are in a white moulded casing

Top cap - painted white

Carpet - Charcoal

In the event of power failure battery back up system allows operation of car in the down direction by normal controls with all safety systems in operation

Standard colour RAL9016 (white)

The car is fitted with LED lighting with adjustable brightness and time delay which switches on when lift is called. By pressing and holding the stop and up buttons, the lights will automatically sequence through the different intensity levels. When the desired level is reached, release both buttons.

Compliance

The Lifestyle Classic homelift has been designed for use in a domestic environment in compliance with the following Directives:

2004/108/EEC 2006/42/EC	Electromagnetic Compatibility Directive Machinery Directive				
This lift also fulfils all the relevant provisions of the following Standards:					
BSEN 12015:2014	Electromagnetic compatibility. Product family standard for lifts, escalators and moving walks. Emission				
BSEN 12016:2013	Electromagnetic compatibility. Product family standard for lifts, escalators and moving walks. Immunity				
BS5900:2012	Powered homelifts with partially enclosed carriers and no liftway enclosures. Specification				

Available options

Upper and lower rear panel set - painted - Sandstone
Upper and lower rear panel set - painted - Gainsborough
Upper and lower rear panel set - painted - Claret
Upper and lower rear panel set - upholstered - Silver
Upper and lower rear panel set - upholstered - Sandstone
Upper and lower rear panel set - upholstered - Lupin
Upper and lower rear panel set - leather upholstered - Rosso
Light Oak Effect Flooring
Carpet - Biscuit
Carpet - Mocha
Customer supplies own flooring material
Full curved handrail kit - brushed stainless steel (not with folding seat)
Hand held remote control
Remote fob (locking) isolating.
Wireless smoke alarms (must be specified)
Additional radio receiver unit
Push button car controls in stainless steel with black Terry name
Push button call station in flush mounted brushed stainless steel panel
Guide rear infill
Special wall fix bracket kit (corner aperture)
Bespoke upholstery and or RAL colour for car and guides
Upholstered folding seat - Silver
Upholstered folding seat - Sandstone with opposite handrail
Upholstered folding seat - Lupin with opposite handrail
Leather upholstered folding seat - Rosso with opposite handrail
Seat size 400 mm x 400 mm
Standard height is 500 mm from top of seat to floor

Max user weight 125kg. If a greater seat capacity is required, it will be a fixed seat 'special' - to be referred to manufacturer.

Site Considerations

Lift Location and Suitability

Is the lift accessible by a person at the upper and the lower

Check the travel requirements against headroom available.

Is access route to the lift position suitable to deliver the lift components?

Do any doors, cupboards, or wardrobe doors open into lift area?

Does the door hand suit at both upper and lower level?

Where a lift is passing from a garage to a room within the dwelling then 30 minutes fire separation is required for integrity (passage of flame), insulation and load bearing capacity. In order to achieve these requirements a full enclosure at one level will be required, this will also enable the thermal requirements of the Building Regulations to be met.

If the user has a pacemaker fitted, they must not use the lift unless a special arrangement has been made.

Is seating required?

Will the lift restrict the everyday use of the room in any way?

Can furniture slot in around the lift? Furniture and other obstacles should not be positioned less than 100mm away from moving parts of the lift.

A telephone must always be specified when the user is to operate the lift whilst home alone.

Powerpack Location

Is the powerpack location acceptable to all parties?

Will the powerpack location restrict access if fitted in passageway etc?

Powerpack can be located internally or externally. If internal, ensure location is suitable for access and noise containment.

Will powerpack be located adjacent to a neighbours property?

Is the hydraulic pipe run acceptable? (If surface mounted, advise client of where the trunking will be fitted). Note that the minimum bend radius of the hose is 90 mm and neat external corners are not possible.

Structural Considerations

Are both of the upper and lower floors level to within +/- 10 mm measured over a running length of 1500 mm?

Are the walls and lower floor strong enough to take the lift loadings?

Will the cutting of the aperture affect the integrity of the floor?

Are there any radiators/water or gas pipes adjacent to lift position? Any potential for pipe work fouling aperture?

Who is submitting the Building Notice to Building Control?

Are guide infill panels required at upper or lower level

Electrical Considerations

Is meter location clearly highlighted on site plan?

Is client aware of possible trunking run to lift power point position?

Do electrical or TV aerial sockets have to be repositioned or blanked off?

Are there any ceiling lights in the lift area that may foul the lift?

Does the house have old wiring and is it earth bonded?

Is there any wiring through the area where the aperture is to be formed?

Is a card or coin meter currently fitted?

At the intermediate level, is the floor concrete or is there a lot of metalwork or insulation? Is there anything else that may effect wireless call stations?

Installation Day Considerations

What is access like to the house (van parking and carrying lift parts)?

What are the walls like for drilling in to? Will the wall accept expansion or resin anchors?

Is there 50mm clear around 3 sides to skirting / coving etc (eg no pipes and cables)

Are positions of wall stations clearly identified?

Is there an electrical supply for power tools?

Will there be other contractors on site?

Who is going to do the preparation work?

Will the user be available for the lift demonstration and hand over?

Weights and sizes boxed (ISPM15) for shipping

Component	Size (mm)	Weight (kg)
Carriage including pump	2440L x 1800W x 1350H	750kg
Guides	3300L x 350W X 500H	135kg

Electrical Schematic





- Supply a 240v single phase, dedicated power supply terminating at a 13-amp switched fused spur, type B16-amp MCB and protected by RCD with Surge Protection, to conform to current regulations. Positioned adjacent to the lift at the same level as the powerpack (motor) and in accordance with the survey drawing. To be accessible for switching when lift is positioned at the lower level.
- 1 x duct from the lower left hand guide position, 200 mm up off the ground. This goes back to the power pack. 65 mm duct if swept elbows / 45 mm duct if straight run. 1 x 20 mm duct from the spur to the power pack.
- Wifi units and even low energy light bulbs can affect the wireless call stations performance (it may be necessary to reposition routers / change bulbs). In addition non-standard floor constructions or finishes may effect the wireless performance e.g. concrete floors, foil backed insulation, under floor heating.
- Ducting can be solid plastic pipe or flexi hose.

Dimensions



Standard capacities / travel	
Capacity	Carriage - 250kg (39 stone) Trapdoor - 250kg (39 stone) Note : Maximum floor covering weight which can be applied to trapdoor 6.35kg (1 Stone) evenly distributed.
Travel	3.6 meters
Speed	0.06 m/s

Minimum Headroom Requirements



Guides



- If the lower level floor to ceiling is less than 2150 mm then special guides will be required.
- If the actual overall height available exceeds the overall height of the guides (6140 mm) then a top guide extension piece (760 mm long) is required to extend the guides to the ceiling of the upper floor.

- If the lower level floor to ceiling is less than 2800 mm then special guides will be required.
- · If the actual overall height available exceeds the overall height of the guides (6733 mm) then a top guide extension piece (760 mm long) is required to extend the guides to the ceiling of the upper floor.





Corner Aperture in Floor Joists



• Ensure the upper floor is levelled perfectly. It is essential the aperture be formed level. Any deviation of aperture level will result in the aperture needing to be re-levelled.

- The rear wall joist must be installed at all times. It provides the main load bearing attachment support for the aperture.
- All joists to be fitted perfectly level and plumb in all planes. The top surface of the joists must be perfectly level and square.
- Minimum floor thickness is 160 mm and maximum 600 mm. Please specify a 'Deep Aperture (351-600 mm)' where the aperture depth exceeds 350 mm.
- Joist ends should be trimmed onto other joist using proprietary joist hangers or built into structural walls by a min 100 mm.
- To comply with Building Regulations all supporting and trimming joists will be double joists.
- All works should be approved by building control.



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Square Aperture in Floor Joists

A Note:

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Example Double Joist Details

A Note:

- Refer to TRADA 4th Edition for calculation information.
- Building contractor to ensure Building Control Approval is obtained, wireless performance e.g. concrete floors, foil backed insulation, under floor heating.



Upper Level Finish Floor

Upper level finish floor covering to be cut and fitted to suit the inner aperture profile.

The same applies for the plasterboard and skim to the lower level ceiling.

Trapdoor can be covered with carpet (no wood flooring or tiles). Max load spread evenly over trapdoor of 6.35 kg.

Aperture Protection

It is required that after an aperture has been prepared, the hole in the floor is covered. It is important that the upstairs floor remains flush. This is achieved by recessing a piece of 18 mm thick structural grade ply into the hole. The piece of ply should be fitted such that it has a 5 mm clearance around each of the sides.

Note: On a corner aperture, the ply needs two opposing corners cutting off at 45°. One at 360 mm and one at 525 mm to fit in the six sided aperture.





The ply is supported by a single joist fitted in the centre of the aperture across the greatest span and timber battens around the edges. The centre joist is recommended to be the same size as the rest of the joists in the aperture construction and the timber battens are to be a minimum of 50 mm x 25 mm ($2^{\circ}x1^{\circ}$).



Installation in Concrete Floor

A timber frame needs to be inserted into the concrete floor.

When the lift is installed, the steel upper and lower aperture frames for the lift (not shown), will be fitted directly to the timber frame.

The supporting structure shown in the illustration is to support the timber frame while it is secured by pouring a suitable grouting from above.



Square Aperture Frame

Important: The timber frame must be square and flat.

When grouting is fully cured, fix through the frame into the original concrete floor

Use M10 Rawl bolts (or similar) or M10 studding with chem-fix adhesive.

The fixings must be recessed (so the inside of the frame is flush).

A minimum of 16 fixings are required (minimum 4 each side).

The fixings must protrude into original concrete floor by a minimum of 75 mm.



Corner Aperture Frame



Upper Guide Ceiling / Wall Fix

Upper guides are either fixed through the ceiling or braced back to the wall - or in special cases, a combination of both.

In all cases, the ceiling fix or wall fix kit should be chosen at time of order, as they will not be packed with the lift unless they have been specified.

If the overall height of the guides exceed the actual height available then it will be necessary to reduce the length of the top guide on site. If the actual overall height available exceeds the overall height of the guides, then a top guide extension piece is required to extend the guides to the ceiling of the upper floor

It is essential that the ceiling kit is secured to ceiling joists of the upper floor that are capable of supporting the loadings detailed on the loading diagram (Page 10).

Within each ceiling fix kit are a ceiling plate and ceiling angle. Either one can be used, dependent on the layout of the joists. In all cases a minimum of 4 fixings must be used to secure to joists.

Ceiling Fix - Preferred method

Joists running perpendicular to wall

Used when the upper floor ceiling joists are running perpendicular to the wall against which the lift guides are positioned.

Fix Ceiling Cap to guides.





M8 screws and nuts are used between the cap and the angle to provide adjustment.



Joists running parallel to wall

Used when the upper floor ceiling joists are running parallel to the wall against which the lift guides are positioned.

Fix Adjustable Ceiling Plate to cap.

M8 screws and nuts are used between the cap and the plate to provide adjustment.



Square Aperture Wall Fix - Alternate method where ceiling fix is not possible

Note: If wall fixings are to be used and the gap between the back of the guides and the wall exceeds 150 mm, please consult lift provider for structural requirements.



Corner Aperture Wall Fix



Special Corner Wall Fix



Downstairs Wall Patch

As part of the prep work it is necessary to fit a wall patch on the lower level wall to fix the crossbar brace to. The patch must be 18 mm WBP grade ply and secured to the wall with min quantity of 6 x Ø8 mm coach screws and painted white.

The patch must be fitted to the dimensions below.



The lower guide brace kit can accommodate situations where the wall is up to 340 mm away from the rear of the aperture. If the distance is greater than this, a special bracing kit will be required.

Long Sling Lower Guide Brace Kit

Normal circumstance

- 97.5 mm or less between rear of guides & wall patch
- Bracing Fish Cross Bar with Bracing Angle
- Slots allow for adjustment within this gap
- Use pilot holes to fix bracing angle in position

Special circumstance

- Gap greater than 97.5 mm
- Use Bracing Plate to bridge the gap and cut plate if necessary
- Use slots for adjustment
- Use pilot holes to fix in position



05 - Guide Fixing for Travel Over 3m

Intermediate Guides for Long Sling

- Lifts over 3m travel have intermediate guides to allow for differing ceiling heights within its range
- There will always be a guide join above and below the aperture
- Join below aperture needs to be braced back to wall



06 - Skirting Board, Coving and Infill

Skirting and Coving Considerations

Note: The inside face of the rear joist must be a minimum of 50 mm from the finished surface of the rear walls.



Infill

Note: If the gap between the rear of the guides and the wall exceeds 100 mm then an infill will be required.

In addition the following options could be employed at additional cost.

- False wall (by builder or other).
- MDF infill between guides (lift installer to fit).
- Acrylic infill between guides (lift installer to fit).

The surveyor must always make their own risk assessment dependent on other occupants within the house and specify suitable protection.





Enclosure Details



08 - Controls

Control Details

Wall Mounted Call Station

Wireless Bluetooth control stations, consisting of Up, Down, Stop and Door controls are provided at each floor served.

The lights in the car will switch on automatically when any call button is pressed and will automatically turn off after a few minutes. (Time delay adjustable on call station controls).

Optional Remote Control Hand-held remote (identical to wall mounted version).







Flush Mounted Call Station

Optional flush mounted panel for solid or plasterboard walls.





Remote Isolate Fob

The lift can be isolated by using the optional remote control fob. When the lift is 'isolated', none of the control stations will function. The control stations can only be activated by using the remote fob. When the lift is activated, the coloured indicator lights in the car will illuminate.

09 - Flush Mount Call Station Specification

Brick/Solid Wall



Plasterboard Wall



Spec Check List

Details specific to lift

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Note: Please ensure Site Check List XR00021 is completed and returned to Terry Group Ltd. at installations@terrylifts.co.uk

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10 - Site Check Form

Homelift Site Check Form

Homelift Site Check Form - Refer to the relevant specification guide for detail

Affinity Life	estyle	Harmony	HFE		
Customer Informa	ation				
Lift reference					
Customer name					
Location	Address			Post Code	
Site contact number					

Lift Area			No	N/A
	Checks			
а	Internal length of aperture:	n		
b	Internal width of aperture:	m		
С	Diagonals of aperture x m	n		
d	The internal face of the joists on the rear and on both sides must be a minimum of 50 mm from finished walls/skirting boards/coving.Lower level Upper level	el 🗌		
е	Internal face of rear joist to the wall. Lower mm Upper m	n		
f	Joist configuration as per specification guide?			
g	4 x visible joist hangers?			
h	Underside of all joists covered with plasterboard and skim?			
i	Joists are plumb?			
j	Building works approved by building control?			
k	Upper floor is level around aperture (max 5 mm in all planes)			
	Finish floors in place at both landings (if not then a sample is required)			
m	Lower level floor structurally sound? (Bounce test).			
n	Distance from the end of the aperture to any walls must be a minimum of 1200 mm at each landing. Lower mm Upper minimum	n		
0	Ground floor to ceiling dimension m	n		
р	Aperture depth (floor thickness):	n		
q	Upper floor to ceiling dimension (including floor covering):	m		
r	Is there any under floor heating at either landing?			
S	Any confirmed asbestos?			
t	All areas around the lift are decorated / finished?			

10 - Site Check Form

Elect	rical	Yes	No
(Checks		
а	Dedicated power supply installed and live at lower level adjacent to power pack position?		
b	Dedicated analogue phone line installed and live at lower level adjacent to power pack position? (Only applicable on HFE and Lifestyle and when specified on a Harmony)		
С	Can the power supply be accessed when the lift is parked at the lower landing?		
d	Any agreed sockets have been blanked off?		
Pre l	nstall Criteria - Note: All lifts are delivered in an extra-long wheel base transit van	Yes	No
(Checks		
а	Is there suitable offloading access adjacent to the building?		
b	Is there suitable access for the transportation of the lift through the building to the lift area?		
С	Is a trolley required?		
d	Is there available parking for large transit vans close to the site? If not, what parking is available and where?		
е	Is the site area clean?		
f	Is a site induction required?		
g	Are there welfare facilities available on site?		
h	Site working hours if applicable? (hh:mm) Start: Finish		
Addi	tional comments		
Deau		Vee	Ne
Requ		res	INO
1	Exposed aperture from above and below.		
2	Level across aperture in all 4 planes.		
3	Power supply and phone point position.		
4	Aperture covered with 18 mm WPB ply.		
5	Lift area from a distance at both landings.		
Engi	neer		
Name	Date:		
Signat	ture:		
Please	send this document and supporting photographs to installations@terrylifts co.uk		

For any queries, please call 01565 650376 - Technical Support

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