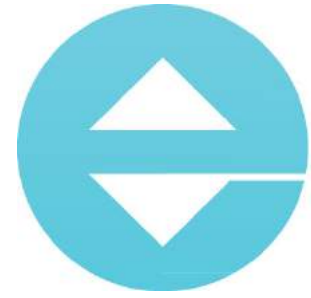


# *180 Curved Stairlift*

## *Useful Information*

# Useful Information

## on Curved Stairlift Installations



### Rails

- The maximum rail distance we can do is 30 metres
- Lifts with the version 5 PCB where the rail is 15 metres or more will require a high powered charger. Lifts with the T565 board will not require a high power charger due these lifts having lithium batteries (pls refer to T565 update)
- Maximum leg height for safety/stability is 600mm
- Lowest leg height is 125mm
- Rails are measured in millimetres or pitches (9.975mm per pitch). The maximum straight pitch section is 1995mm. The smallest straight pitch section is 50mm
- Width of rail - 50mm (2")
- Height of rail - 140mm (5.5")
- Minimum track protrusion - 180mm (7")
- Rail construction - Extruded aluminium
- Rail angle range - 0-58°
- Finish - Powder coating
- On an install without any bends, the rail may require the use of special wall brackets for the stability of the rail. The supporting wall must be of solid construction.

### Hinges

- Automatic hinge as standard - No manual option available
- Standard hinges need approx 1150mm or more to fit between the stringer or back wall to the nearest obstruction
- VB hinges require approx 950mm or more to fit between the stringer or back wall to the nearest obstruction
- Light weight hinges - As standard - For 3 or more fan bottom terminations (refer to light weight hinge guide)
- Less than 950mm no hinge option available
- Arc of hinge - We require 760mm from the bottom nosing leading away from the stairs so that the hinge doesn't clash with any opposing obstructions



## Weight Limit

- The lift is certified to EN81- 40 and the weight limit for this unit is 120kg, 18.9 stones or 265lbs

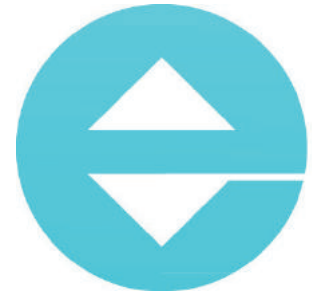
## Seat, Footrests & Carriages

- Carriages cannot be re-handed
- The seat can be fixed or swivel at 45 and 88 degrees at top only
- There are 4 seat heights available – 490mm (std), 530mm, 550mm and 580mm
- The new T565 carriages, in addition to the powered swivel spacers already available, introduce a 490 powered swivel version where the spacer is not required maintaining the height of the seat at 490mm
- Powered footrest option is available and operates from buttons on the seat or by pressing both buttons of the remote control at the same time on the T565 or the red button on the v5 lift
- Shorter or longer footrests are not available
- Folded width - 335mm (13¼")
- Unfolded width - 640mm (25.25")

## Bulkheads / Obstructions / Terminations

### Bottom

- Standard start - From bottom nosing leading away from the stairs, the rail will protrude approx 600mm. (Carriage protrusion from bottom step 650mm)
- Drop nose - From bottom nosing leading away from the stairs, the rail will 'drop in' and protrude 450-550mm. (Carriage protrusion from bottom step 550mm)
- Standard bottom overrun - Minimum requirement from bottom nosing to first obstruction is 600 mm
- 90 Bottom wrap around - 600mm required from turning point to end of track – 800mm minimum hall width requirement.
- 180 bottom wrap around - 600mm required from turning point to end of track – 800mm minimum hall width requirement.



## Top

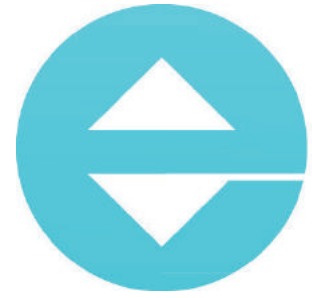
- Standard top - Virtually no overhang - Curve rail will finish in line with last nosing.
- Standard top overrun - Minimum requirement from top nosing to first obstruction is 500mm
- 90 Top wrap around - 600mm required from turning point to end of track - 800mm minimum hall width requirement.
- 180 Top wrap around - 600mm required from turning point to end of track - 800mm minimum hall width requirement

## Power Points

- The stairlift requires its own dedicated power point to keep the lift charged. Standard 13 amp plug socket required. It must remain plugged in at all times.

## MCW

- When measuring the minimum width for a curved staircase make sure you measure at different points on the staircase whilst checking high and low to guarantee you find the smallest measurement.
- The curved lift will pass through a gap of 670mm - This width will require a standard top overrun as there is insufficient space to swivel the seat.
- Minimum clear width (MCW) to swivel at top is 730mm for internal system and can be 690mm for an external system
- Minimum width will also be governed by customers back to knee measurement (90mm minimum clearance required between width and back to knee measurement) See back to knee look up chart for clearance advice.



## Handrails

- Handrail removal will be determined by width of stairs. If removal of the hand rail results in damage to the decor this is up to the customer to rectify. Our installers are not builders or joiners. Your customers need to be pre-warned of this prior to removal of the hand rail.
- If a staircase has open tread - i.e. no banister for 600mm or 3 steps or more, then a banister must be put in place prior to install

## Extras

- Parking must be available very close to the property for the curved installs. Permits to be provided by dealer/customer where required.
- Orders are only excepted either on our own order forms or by being placed on line. We ask that you send photo's and a drawing if the staircase is curved.
- We need client dimensions on all curved orders, if no clients dimensions are provided please be aware that we will not be able to check if there will be enough room to swivel without the clients back to knee and we will not be able to advise if the client will be able to place their feet on the footplate or if enough clearance is available. If the install aborts we will charge £500.00 plus vat.
- Please double check, or even triple check the staircase measurements
- We do not do first, second or third step starts or have the footrest stop one step short at top finish
- If the stairs have open risers please advise. Alternative fixings may be required.
- We must be made aware if the property has underfloor heating or any pipe work (gas/ water) in the vicinity of the install.
- Please contact your office for multi user / public / commercial buildings prior to quoting. We will require additional information.
- Please ensure the customer health check list has been completed in full.

**If in doubt please call Excel Elevators!**  
**028 2565 1498**