

TECHNICAL DATA OF STANDARD PLATFORM LIFT MOD. V65

Stairlift for wheelchair users

- According to European Directive 2014/35/EEC "Low Voltage"
 - According to European Directive 2014/30/EEC "Electromagnetic Compatibility"
 - According to European Directive 2006/42/EEC "Machinery Directive" (self-certification)
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Equipment

- standard b.i. (independent arms) (830x700)
- standard b.r. (retractable arms) (830x700)
- large b.i. (independent arms) (1050x770)
- large b.r. (retractable arms) (1050x770)
- extra large b.i. (independent arms) (1250x800)

Version

Left, if the rail is on the left of the staircase (looking from downstairs); Right, if the rail is on the right of the staircase (looking from downstairs)

Installation

Suitable for indoor and outdoor use. If required, either a mini waterproof PVC or an integral protective cover may be provided.

Colour

Unit white RAL 9018; black dull rail.

Gradient

From 0° to 45° (extended up to 50° with a capacity of 200 kg).

Rail

Twin rail, both made of elliptical section tube; it turns inside the staircase (on the banister side); IT BASICALLY FOLLOWS THE INCLINATION OF THE STAIRS AND OF THE LANDINGS.

Minimum stair width required

1130 mm with turn (1050 mm for straight track) with platform 830 x 700 mm and blunted access ramps

1250 mm with turn (1120 mm for straight track) with platform 1050 x 770 mm and blunted access ramps;

1320 mm with turn (1150 mm for straight track) with platform 1250 x 800 mm and blunted access ramps.

Platform landing area

minimum 1500 mm (1720 mm with platform 1050 mm)
(1920 mm with platform 1250 mm)

Overall dimensions of the rail

minimum 160 mm with standard fixings or wall fixings.
minimum 240 mm with self – supporting fixings.

Overall dimensions of the rail downstairs

1180 mm minimum (1290 mm with platform 1050 mm)
(1390 mm with platform 1250 mm)

Platform size when folded

minimum 475 mm for the platform 830x700 mm with front ramp

Fastenings

By means of posts, which can be fixed on the steps with expanding or chemical anchors; on request fixing on the edge of the steps, to the staircase wall or to the banister by means of brackets, bars or other kind of fixings if necessary.

Voltage

220 V - 5A - 50/60 Hz switching power supply unit that meets the CEI 64-8 standard on safety power supply units, installed upstream of the stair lift on the single-phase 220 V line. The power supply unit must be no more than 8 m from one of the two ends of the guide. The cable with the plug is 2 m long. The electric supply comes from two 12 V - 18 AH batteries on the appliance that at the machine electric supply become 24 V - 18 AH, ensuring on an average run of 12 m an autonomy of 3 complete cycles (up + down) and the anti-blackout function.

Speed

8 m / min with soft start and slower speed in turns.

Safe working load

Slope up to 45°: **300 kg** for platforms with width up to 770 mm; **250 kg** for 1050x900 and 1250x800 platforms.

Slope over 45°: **200 kg**.

Controls

Constant pressure type and protected to avoid accidental moves; integrated board control panel, with up and down push-buttons and removable key; emergency switch; remote control panel at floors, removable key and open/close of platform.

Available as optional an attendant remote control panel or with cable, with up and down push-buttons, open/close platform, removable key.

Transmission

Direct drive via a non-reversible reduction gearbox driving a pinion on drilled rail; if the machine is equipped with rail exceeding 20 m and/or it is installed in common spaces available to several users, it is compulsory to buy the high-resistant roller kit for heavy use.

Motor

0,75 Kw mounted ON BOARD, fitted with an electromechanical brake with manual operation facility in the event of power failure.

Hand winding

ALWAYS POSSIBLE for the attendant, in case of an emergency.

Platform

Manually operated type (gas strut assisted to reduce the effort of operation), platform standard dimensions 830 x 700 mm, 1050 x 770 mm; 1250 x 800 mm (standard with power (driven) folding platform). Fitted with automatic ramps at the arrival floor; integral and motorized safety arms; antitrapping, anticrushing and antisquashing systems. On request: power (driven) folding platform and other dimensions (830x650, 830x770, 1050x700, 1050x900) and special dimensions on the depth.

Safety gear

Mechanical type with progressive engagement, controlled by safety microswitch with forced disconnection; its operation is governed by a speed limiter. The whole mechanism acts on its own rack and on its own guide, independent from the drive guide (this last breaks, the other one will carry on its function). As an option, it is possible to provide an additional chain controlled by a microswitch which is operated when the driving chain is loosened.

User safety

Low voltage; safety gear; automatic safety arms; automatic ramps for wheelchair closed at 45° inclination during the travel of the lift and mechanically blocked; fixed handle, emergency stop button located on the control and manually reset; safety limit switches with forced disconnection, electrical and mechanical OVER-RUN MICROSCHITCH. As an option, the installation finishing are available in fire-retarded plastic material and with audible and visual overload alarm.

Safety along the track

Anti - trapping, anti - crushing and anti - squashing devices equipped with safety micro switch with forced disconnection; MOVEMENT ACOUSTICAL SIGNAL. On request: fixed blinking - light; calling and sending of the equipment from the floor controls is only possible with FOLDED platform and all the anti - trapping, anti - crushing and anti - squashing devices on.

Standard finish

The standard rail is black (RAL 9005); white powder coated chassis (RAL 9018); the whole machine is divided into the following components:

- rail
- cabin
- transformer
- arms

At customer's expense

Handling of the materials by arrival on site is at customer's charge. Any modification of the site must be carried out at the customer's expense (before the delivery of the equipment); he must also provide for a dedicated power supply max. 2 m far away from one of the two ends of the rail. Moreover, in order to avoid naked cables, the customer can put a tube between the transformer and the rail end. Also at customer's expenses are possible re-buildings after the installation of the equipment or tests carried out on the unit. Note: the customer is liable for the strength of the supporting walls and steps.

N.B. The data are indicative and not binding. Vimec S.r.l. reserves the right to make any changes that it may consider appropriate without prior notification.

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