

## **TECHNICAL DATA OF STANDARD PLATFORM LIFT MOD. V64**

Stairlift for wheelchair users, for use on straight stairs with constant gradient

- 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. (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)

### **Electrical wirings**

At the upper floor, up to 1.5 m from the rail end.

### **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 7° to 50°.

### **Rail**

Cataphoresis treated twin rail made of elliptical section tube with max length of 20 m.

### **Minimum stair width required**

- 990 mm (with 700 mm wide platform)
- 1060 mm (with 770 mm wide platform)
- 1090 mm (with 800 mm wide platform)

### **Platform landing area**

- from 1430 mm minimum at 50° up to 1500 at 20° (for the standard version)
- from 1650 mm minimum at 50° up to 1720 at 20° (for the large version)
- from 1850 mm minimum at 50° up to 1920 at 20° (for the extra large version)

### **Overall dimensions of the rail**

100 mm with wall fixings  
125 mm with fittings on the step  
205 mm with self – supporting fixings

### **Overall dimensions of the rail downstairs**

from 1150 mm minimum at 50° up to 1310 at 20° (for the standard version)  
from 1260 mm minimum at 50° up to 1420 at 20° (for the large version)  
from 1360 mm minimum at 50° up to 1520 at 20° (for the extra large version)

### **Platform size when folded**

415 mm minimum for platform 830x700 mm with front slop

### **Fastenings**

Standard: feet allowing to rest on the steps and to be secured to the wall.  
As an option: wall fastening, by means of expanding anchors (or chemical, if required, every 5 holes); with self-supporting foot.

### **Voltage**

220V single phase supply for main circuits; 24V dc for controls and sub-circuits, obtained by means of a on board transformer. Mains power supply by cable in protected chain.

### **Speed**

0.07 m / s

### **Safe working load**

Gradient up to 45°: **300 kg** for platforms until 770mm width; **250 kg** for platforms 1050x900 and 1250x800 dimensions.  
Gradient beyond 45°: **200 kg**.

### **Controls**

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

Available as optional an attendant remote control panel, with up and down buttons open/close of the platform, removable key.

Available as optional a send to floor control with buttons indicating direction and removable key.

### **Transmission**

Direct drive via a NON-REVERSIBLE REDUCTION GEARBOX driving a rack – pinion.

### **Motor**

0.75 Kw mounted ON BOARD, fitted with an electromechanical brake with manual override for use in the event of power failure.

### **Hand winding**

ALWAYS POSSIBLE, by the attendant or by the user, in case of emergency.

### **Platform**

Manually foldable (weight compensated by pneumatic spring). Platform dimensions 830 x 700 mm, 1050 x 770 mm; 1250 x 800 mm (standard with automatic folding). Fitted with AUTOMATIC RAMPS at the arrival floor. On request, POWER FOLDING PLATFORM.

A range of alternative widths is available if required (830x650 mm and 830x770 mm on the standard version; 1050x700 and 1050x900 mm on the large version), or special dimensions.

### **Safety gear**

The system incorporates an overspeed governor which is independently driven by safety microswitch with forced disconnection. It is operated by a speed limiter. The whole mechanism acts on its own rail, which are independent from the driving one. 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 controls, safety gear described as above, safety arms (automatic, blocked during working position and independent), automatic and blocked during working position ramps for wheelchair which lower at relevant level to permit transfer to the landings. Fixed handle; emergency stop button, located on the control, must be manually reset; safety final limit switch and over-run switch with forced disconnection. As an option, fire-retarded plastic material and with audible and visual overload alarm.

### **Safety along the track**

ANTI - TRAPPING, ANTI - CRUSHING and ANTI - SQUASHING devices with safety microswitches with forced disconnection. On request: safe edge on back of unit; movement acoustical signal; fixed blinking light.

### **Standard finish**

White powder coated chassis (RAL 9018); the standard rail is black (RAL 9005) cataphoresis treated.

### **At customer's expense**

Any modification of the site, as well as handling of the materials, must be carried out at the customer's expense (before the delivery of the equipment); he must provide for a dedicated power supply with cables size min. 2,5 mm<sup>2</sup>, with an automatic switch 16A curve C and a 16A R.C.C.D. switch, with sensitivity of 0,03 A class AC, in a IP 54 lockable box, installed at the end of the cable supplied with the equipment.



Possible rebuildings or testing charges are at customer's expense. 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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