

Technical Data S11 electrical Lifting Platform

Lifting system suitable for people with limited locomotory capacity

- In conformity with the European Directive 2014/30 on Electromagnetic Compatibility
- In conformity with the European Directive 42/2006 Machinery Directive

Installation

The installation may be installed either inside or outside a building in three different ways:

- in a free environment
- in a masonry shaft

Working load: up to 400 kg

Travel: 2 stops / up to 2990 mm

Versions: 5 - travel up to 1100 mm, 1600 mm, 2100 mm, 2600 mm, 2990 mm

Transmission: with electric motor and screw

Speed:

- 0,05 m/sec (for 1100, 1600, 2100 versions)
- 0,10 m/sec (for 2.600, 2.990 versions)

Motor and electric supply

Motor located in the travel shaft with the following specifications:

- Power: 2.2 kW; monophase for 1100,1600,2100 and triphase for 2600 and 2900 versions.
- Mains voltage: 230V \pm 5%, AC – 50Hz single phase;
- Auxiliary power supply voltage: 24V DC.
- inverter driven motor (optional for 1100, 1600, 2100 versions).

Fastenings

- with pre-mounted wall anchoring brackets, or alternatively
- with back wall with mechanical anchors
- with back wall with chemical anchors or with vertical I-beam
- with metal frame/protection

Fixing brackets at 90° are available as option.

Guides



Machined T70-1a sections.

Materials

Standard installation is provided with platform covered with a non-slip almond aluminium sheet. It is protected by two car walls: tower side is in RAL 7040 painted steel with always blind cladding and protection wall opposite to tower with grey polycarbonate cladding. On floor gate is cladding with grey polycarbonate. Wireless control panels on "0" floor is always supplied together with the installation.

Open shaft versions are always supplied with manual gate on board with grey polycarbonate cladding and photocells on the landing side.

As optional:

- AISI 316 Stainless Steel finish (with guards and gates exclusively with grey polycarbonate cladding; tower side wall is always blind cladding);
- Oiler kit, ideal for intensive uses
- Transparent polycarbonate
- Automatic doors and gates on Floor
- Wireless floor controls "1"
- Wireless double board controls
- Handle
- Photocells kit
- Access ramp
- Powered lowering manoeuvre

Standard platform working dimensions:

- 1,250 x 900 mm
- 1,400 x 1,100 mm
- 1,400 x 900 mm

Accesses

- It can be accessed crosswise (rectilinear landing)
- It can be accessed through a 90° landing

Controls

Dead-man's manoeuvre.

The keyboard is horizontal and equipped with both an emergency button and a switch key.

The controls are 50x50 mm with Braille indications and blue backlighting.

Floor push-button button with dead-man's manoeuvre operation (the keyboard is activated with a key), it is 50x50 mm, vandal-proof, with Braille indications.

Electrical safety devices

On-board emergency push-button connected with an audible alarm; thermal circuit breaker on the inverter; landing limit switch; over-run micro-switch; auxiliary circuit and supply circuit in separate



cables; electric driving locks approved according to the EEC Directive 81/2, with safety micro-switch for approved door release control, photocells.

Mechanical safety devices

The installation offers these solutions to protect the shaft:

- 1) safety edges Under platform always provided (also available with black bellow for 1100, 1600 and 2100 versions).
- 2) Aluminium structure/ Masonry compartment

Protection at floor with landing door; emergency door release from the outside, with special key; emergency bushing monitored by a safety micro-switch that locks all of the machine functions; for 1100, 1600 and 2100 versions as optional kit for intensive use (standard for 2600 and 2990 versions).

Doors

- Panoramic aluminium with laminated glass (5+5 mm) - for installations with steel protections.
- Hollow veneered with vision panel – for installation in masonry shaft.

The floor door has a useful height of 2,000 mm, while the 1st floor gate is 1,100 mm high: the standard width is 900 mm (optional is available 800, 1000,1100 mm).

The motorization is available on request.

Pit

When in free environment the unit is always supplied with the safety under platform edges, able to shut down the unit avoiding shearing under platform. Available as optional perimetric black curtain under the platform.

With the access ramp a fixed ramp kit is available as an option, in order to improve access to the platform.

When the S11 is provided without bellow, the physical space under the platform is equal to 75 mm (65 mm + 10 physical footprint of ease) for all three versions; when provided with bellow on three sides, the physical size is:

125 mm for 1100;

145 mm for 1600;

165 mm for 2100.

Supplied material

When Pre-assembled components

A column equipped with the pre-assembled electrical and mechanical components is provided, including the platform, its side walls and bellow (under), the 1st floor gate and the access ramp, screw and nut installed.

As optional we can provide the pre-assembled unit in two pieces (1.100, 1600, 2100, 2600 versions) or three pieces (2900 version), with different pre-assembled components: column head components, basic components, cart and screw, to facilitate the transport.





At the customer's charge

The customer must pay for and make all necessary changes, if any, to the shaft according to our design and before delivery.

In addition, the customer is to pay the expenses related to the construction of the dedicated electric line to our panel, with conductors of minimum cross-section 2.5 mm², which can be disconnected with a residual current circuit breaker of nominal capacity 16A and sensitivity 0.03A and earthed with a cable of 2.5 mm², to supply the machine.

The responsibility for the strength of the walls, terraces, floors and plinths is entirely to the charge of the customer.

N.B. The data given herein are indicative and not binding. Vimec S.r.l. reserves the right to make any changes that it may consider appropriate at any time and with no obligation to give any advance notice thereof.

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