

E07 – Easy Move - Lifting Platform Technical Data

Lifting system for a person with limited locomotory capacity

Approval

- TÜV approval for the safety gear;
- TÜV approval for the locks;
- In conformity with the European Directive 2006/95 on Low Voltage;
- In conformity with the European Directive 2004/108 on Electromagnetic Compatibility;
- In conformity with the European Directive 2006/42 Machinery Directive (certificate of conformity issued by IMQ).

Installation

The system can be installed either indoors or outdoors. The power pack and the electrical system must always be housed in a special protected shaft comprising the motor cabinet supplied as standard. If the power pack can reach temperatures below 0°C, it is mandatory to equip the hydraulic system with oil heating to be ordered separately. For outdoor installations the guards must have a roof. The hydraulic hose reaches the feet of the guides, with a standard length of 3 m. (6 or 9 m. max on request).

Working load: up to 400 kg.

Tipo cabina Easy Move -E07- Vimec	Portata Kg
Cabin with walls in Color, Inox	400
Cabin with glass walls or 1/2 glass	400
N°1 Cabin door + Walls in color, Stell, Inox (St. Steel) series	350
N°1 Cabin door + N° 1 wall in Glass series or 1/2 glass	350
N°1 Cabin door + N° 2 walls in Glass series or 1/2 glass	350
N°2 Cabin doors + walls in color, Steel, Inox (St. steel) series	300
N°2 Cabin doors + N° 1 wall in glass series or 1/2 glass	300

Travel: 9,25 metres.

Headroom: 2270 mm; 2600 mm in case of cabin door.

Intermediate stops: max 3 with a minimum distance between the stops of 230 mm.

Motor and electric supply

Motor located in the hydraulic power pack with the following specifications:

- Power 1.8 kW;
- Mains voltage: 230V-mono;
- Motor power supply voltage: 230V;
- Auxiliary power supply voltage: 24V;

Fastenings

At the customer's choice, 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; if optional, with metal frame.

Guides

Machined T70-1a sections.

Cabin materials and colours

The cabin is supplied as standard with:

- 3 walls (in case of single access to the cabin; 2 walls in case of two adjacent accesses or opposite accesses) in "Grey" type, "Color" series clad steel (or at choice among "Beige", "Blue", "Red" type, "Color" series; "Maple", "Cherry" type, "Wood" series):
- the surface of the platform is in "Rubber" with "grey round studs"
- false ceiling with LED bar
- handle in the "rich" series (brushed aluminium)

Cabins are always **without plinth**.

The doors and the metal frame are in **Vimec 7040**.

Other materials and colours available:

Walls:

- a) One in anti-scratch stainless steel, "Polished linen" type, "Inox" series
- b) Two "Glass" series (transparent and smoke-grey)
Glass (transparent and smoke-grey) half wall (upper part) mounted on RAL 9018 frame – can be equipped with all available walls (lower part); the lower wall has always the same covering both on inner and outer side of the cabin.

Floors:

- a) one Wild Pear type imitation-wood
- b) three *Safe-Step* (non-slip): light grey, dark grey, carmine red

Cabin

Composed of 3 physical walls made of the above-mentioned materials; the fourth cabin side, or any side that is free of walls, will be equipped with vertical infrared barrier.

The on-board push-button panel supplied as standard is **full-height vertical**, in "Grey" type "Color" series, with push-buttons at height compliant with EN81-41 standard and fitted for I-button. An on-board telephone is supplied as standard.

On request in the cabin: only for "Polished linen" type, "Inox" series, the vertical push-button panel has the same finishing as the cabin walls (that is, "Polished linen" type, "Inox" series), horizontal mirror, vertical mirror, LCD display kit in cabin, LCD display kit at floor, telephone dial pad, GSM telephone kit, I-button keys, speech synthesis, gong when floor is reached, cable and radio remote push-button panel at floor, access ramp.

Cabin inner height: 2,000 mm

Standard platform* dimensions:

- 1.250x1.000
- 1.400x1.100
- 1.300x1.030 (with automatic telescopic doors size: 700 mm)
- 1.460x1.170 (with automatic telescopic doors size: 800 mm)

Other dimensions

- 900x900
- 1.000x1.250
- 1.250x1.250
- 1.400x1000

(*to obtain the working dimensions, 30 mm for each on-board wall and 10 mm for each infrared barrier should be taken off; in case of on-board automatic telescopic door the overall dimensions to be added to the shaft ranges shall be approximately between 210 and 270 mm).

The platform min. dimension on the guides side is 770 mm.

Special platform sizes are also available on request.

Cabin accesses

- Maximum 6 accesses
- Maximum 2 accesses to the floor

Controls

On board push-button panel with dead-man's controls, size 50x50 mm, with Braille indications and blue backlighting.

Universal manoeuvre allowed thanks to the cabin automatic telescopic door – along with 3 walls (or two telescopic doors and two walls).

Floor push-buttons with universal manoeuvre operation, size 50x50, vandal-proof with Braille indications and red and green backlighting for signalling respectively product in use/occupied and product free/available for use; all the controls work only if the doors are closed.

Transmission: with hydraulic cylinder and double cable.

Max speed: 0.15 m/sec;

Electrical safety devices

On-board emergency push-button connected with an audible alarm and pre-set numbers (at the customer's choice), integrated with a telephone device; thermal circuit breaker on the motor; landing limit switch; over-run microswitch; pit and headroom under safety microswitches that inhibit the controls in the cabin and on the floor when activated; cable slackening/breaking safety device; auxiliary circuit and supply circuit in separate cables; electric driving locks approved according to the EEC Directive 81/2, with safety microswitch for approved door release control; automatic levelling at the floor (upper, lower and intermediate) within + / - 20 mm with door open and closed; on-board anti-blackout descent; on-board emergency light; display of floor reached on the display on the lifting platform and at the floor; timed cabin lights, timed descent.

Mechanical safety devices

Two lifting cables with spring system for load division; safety gear for lifts (type approved according to the EEC directives 84/529 and 86/312) that acts on the guides; protection at the floors with landing doors; emergency door release from the outside, with special key; artificial pit of 500 mm under safety microswitch, artificial headroom of 300mm under safety microswitch; load-bearing cabin roof.

Hydraulic safety devices

Down speed control valve; safety gear valve integrated in the cylinder; check valve; pressure relief valve on the hydraulic circuit; emergency descent from floor level; hand pump and pressure switch.

Doors

- Panoramic aluminium with laminated glass (5+5 mm),
- motorized panoramic double-hinged with laminated glass (6+6+6 mm),
- partitioned with window
- partitioned panoramic (with shatter-proof glass (5+5 mm) - available only for sizes 800, 860 and 900).

All doors have a working height of 2,000 mm.

The standard supply features doors with one leaf, manual movement (the retracting mechanical actuators make them semiautomatic therefore with independent closure). For the doors with one leaf the motorization is available on request. The double leaf door is always motorized.

Automatic telescopic doors

There are automatic telescopic doors for standard size cabins: 800. The measures 700, 750, 900 mm are other available options.

Automatic telescopic **floor** doors always accompany the automatic telescopic **cabin** doors.

There are automatic telescopic doors with **two** and **three leaves** (opening right or left) and **four leaves** (only for frontal accesses compared to the rails, the four automatic telescopic doors assures a central access). The automatic telescopic doors' standard color is **SIMILINOX**.

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Color options:

- Vimec 7040
- Special RAL
- Coated with STAINLESS steel

Other options:

- Anti-fire EI 120
- Fireproof UK
- Fireproof UK coated with stainless steel

When there is an operator in the cabin, the presence of an automatic telescopic door presumably requires a similar automatic telescopic floor door; similar, as in the same version 2 doors and size.

The maximum depth of the platform, on which the automatic telescopic door can be installed, is 1,250 mm.

It is possible to install two automatic telescopic doors, with opposite or adjacent accesses, on the same machine.

For **700** mm doors with **two** shutters, **on the side** compared to the rails, a platform wide at least 960 mm is required.

For **800** mm doors with **two** shutters, **on the side** compared to the rails, a platform wide at least 1,110 mm is required.

For **700** mm doors with **three** shutters, **on the side** compared to the rails, a platform wide at least 870 mm is required.

For **900** mm doors with **three** shutters, **on the side** compared to the rails, a platform wide at least 990 mm is required.

The 1,250x1,000 nominal platform has an actual size of 1,250 mm and 1,000 mm in case of no cabin door. When cabin doors are present, regardless of the installation side, the nominal size of the platform is unchanged, but the dimension of the platform supplied will be 1,300x1,030.

The 1,400x1,100 nominal platform has an actual size of 1,400 mm and 1,100 in case of no cabin door. When cabin doors are present, regardless of the installation side, the nominal size of the platform is unchanged, but the dimension of the platform supplied will be 1,460x1,170.

Installing telescopic doors in unprotected external areas is not recommended because they are not hermetic.

Guard

When there is a metal frame the roof for indoor or outdoor use can be ordered on request (mandatory for outdoor installations).

Pit: 120 mm for masonry shaft and aluminium guards; 140 mm for metal framework.

Cabin height: 2000 mm

State of supply

In components to be assembled.

If there is a metal frame there will be sectional steel profiles with laminated glass or laminated sheet plate blind panels.

At the customer's charge

The customer must pay for and make all necessary changes to the shaft before delivery but to our design.

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 mm^2 , 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 mm^2 , to supply the machine.

Again, the customer is to pay for the construction of a separate electric line to the one described, with conductors of minimum cross-section 2.5 mm^2 , 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 mm^2 . This line must have one or more 16A service power sockets for maintenance, of which at least one located in the artificial pit of the travel shaft.

At customer's care and charge is also the setting up of a line with conductors of 1.5 mm^2 with circuit breaker of nominal capacity 10A and sensitivity 0.03A, earthed with a cable of 1.5 mm^2 to supply the cabin lights.

Lastly, it is at customer's care and charge the setting up of a telephone line through a special cable next to the electric panel.

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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