

## **E07 -Heavy Duty- 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 42/2006 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:** min 500 kg; (600 kg for the platform of 2200x1100).

**Travel:** 8,5 metres.

**Headroom:** 2270 mm.

**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: "Beige" type "Color" series clad steel walls, in "Grey" type "Rubber" series; the doors and the self-supporting structure if opted for will be Vimec 7040 type; other materials and colours are available both as regards the walls (3 clad plates - grey, blue, red - in the "Color" series), and for the floors (4 non-slip "safe-step": light grey, dark grey, red, aviation blue) and for the alternative colours of doors and self-supporting structure (2 RAL: 1013 pearl white, RAL 9023 pearly dark grey).

## Cabin

Composed of 3 physical walls made of clad plate; the fourth cabin side, or any side that is free of walls, will be equipped with an infrared barrier able to intercept any obstacle larger than 1 cm<sup>2</sup>; the surface of the platform is in rubber with round studs (the colour is "grey"). The on-board pushbutton panel supplied as standard is horizontal equipped with glazed aluminium handle, the roof is in grey simil-inox clad plate, with 4 spotlights; the cabin is always equipped with an on-board telephone, if not otherwise requested.

On request in the cabin: horizontal mirror, speech synthesis ("gong" arrival) activation, remote floor controls, on-board-push button panel equipped with a telephone dial pad, LCD kit for floor controls and cabin on-board display.

The overall dimensions\* of the platform for those supplied as standard are: 1400x1300, 1400x1400, 1600x900, 1600x1100, 1800x900, 1800x1100, 2000x900, 2000x1100, 2200x900, 2200x1100. (\*to obtain the working dimensions, 30 mm for each on-board wall and 10 mm for each infrared barrier should be taken off).

Special platform sizes are also available on request, provided that the surface can't be more than mm 2000x1000 or 1400x1400, considering  $P \geq 900$  and  $L \geq 1400$ .

**Transmission:** with hydraulic cylinder and double cable.

**Max speed:** 0.15 m/sec.

## Controls

On board push-button panel with dead-man's controls, size 50x50 mm, with Braille indications and blue backlighting; on-board controls shall be positioned only on the rails side; floor push-buttons, 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 floor doors are closed.

## Electrical safety devices

On-board emergency push-button connected with an audible alarm; telephone; 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; onboard emergency light; 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 300 mm 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, partitioned with window or panoramic (the latter available only for sizes 800, 860, 900); the door working height is 2000 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.

### Automatic telescopic doors

There are automatic telescopic doors for standard size cabins: 800 mm. The 700, 750, 900 mm measures 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). The automatic telescopic doors' standard color is **SIMILINOX**.

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.

Color options:

- Vimec 7040  
Special RAL
- Coated with STAINLESS steel

Other options for the two-door floor door version:

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

## **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<sup>2</sup>, 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<sup>2</sup>, 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<sup>2</sup>, 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<sup>2</sup>. 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<sup>2</sup> with circuit breaker of nominal capacity 10A and sensitivity 0.03A, earthed with a cable of 1.5 mm<sup>2</sup> 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;**  
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**thereof.**

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