

ELESER[®]
Home lifts and Goods lifts manufacturer

Car Lifting Platform Elecar

Solutions where others fail

Elecar

The car lifting platform model **ELECAR** is an elevator designed for the vertical transport of vehicles (cars) with its occupants, allowing the cars to have access from the outside of the building (street) into the garage and serving as an efficient constructive solution where, for reasons of use of space, it is not possible to build an access ramp to the garage.

Its installation is ideal for buildings with garage in single-family houses or houses for several families where a garage can not be built because the dimensions of an access ramp make it totally or partially unfit for use.



ELECAR

General Specifications:

Drive:

Hydraulic elevation platform with impulsion system by two direct boost pistons, i.e. the connection between platform and pistons is not carried into effect by cables or chains.

The hydraulic power unit is composed of a motor submerged in oil, a screw bomb of low noise level and a block of valves with a high precision and reliability. These characteristics allow it to have a quiet and slight movement of the platform.

Guide rail:

The platform glides along rollers through sturdy guides which guarantee a precise and smooth sliding.

Control:

The car lifting platform is equipped with a universal control board which includes a programmable relay with all the necessary functions for a wide variety of applications.

Main Advantages:

- A machine room is not necessary.
- Reduced pit and headroom. Minimum shaft dimensions.
- Minimum maintenance.
- Easy installation requirements.
- Ecologic. Low power consumption. It works with domestic electric current.
- Very quiet and comfortable.
- Maximum safety.
- Compensation chains system for a perfectly levelled elevation.



Safety Specifications:

- Emergency stop button.
- Parachute valve.
- Automatic Re-levelling.
- End of run switch.
- Doors with mechanical and electric locking device.
- Perimeter protection (material and immaterial).
- Non-slip surface.
- Manual lowering device.
- Thermal protection relay.
- Built-in Lift Telephone, 2 units.
- Mechanical safety locking pins for works under the platform.
- Emergency lighting and rescue system.

Standards and Regulations:

The platform is manufactured in accordance with european regulation:

- Directive 2006/42/EC

The following Standards and Specifications have being considered for the design and manufacture:

- Standard UNE-EN ISO 12100-1

- Standard UNE-EN ISO 12100-2

- Standard UNE-EN 81-2:2001

- REBT: Electrotechnical Regulation for Low Voltage



Notified Control Body:

IMQ S.p.A.

- EC Type Examination No.: IMQ BU 298 DM



Technical Specifications:

Maximum load:

- 2,500 kg.

Maximum load:

- 4.50 meters.

Número de paradas:

- 2

Pit:

- 0.45 m for travels up to 3.80 m.
For the maximum travel of 4.50 m, a pit of 0.80 m is needed.

Headroom:

- 2.75 m in all cases.

Speed-Power relation in elevation:

- 0.05 m/s with motor 4 hp 400V three-phase or 230V single-phase
- 0.10 m/s with motor 10.5 hp 400V three-phase.
- 0.15m/s with motor 13 hp 400V three-phase.

Protection walls:

On the guide rail side, the platform is equipped with a full barrier wall which covers all its length with a height of 2 m.

The other three sides are covered by immaterial barriers, consisting of three infrared light curtain units within a range of 1.5 m which prevent the platform from operating whilst the vehicle is not correctly placed.

Doors:

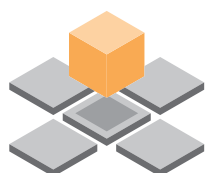
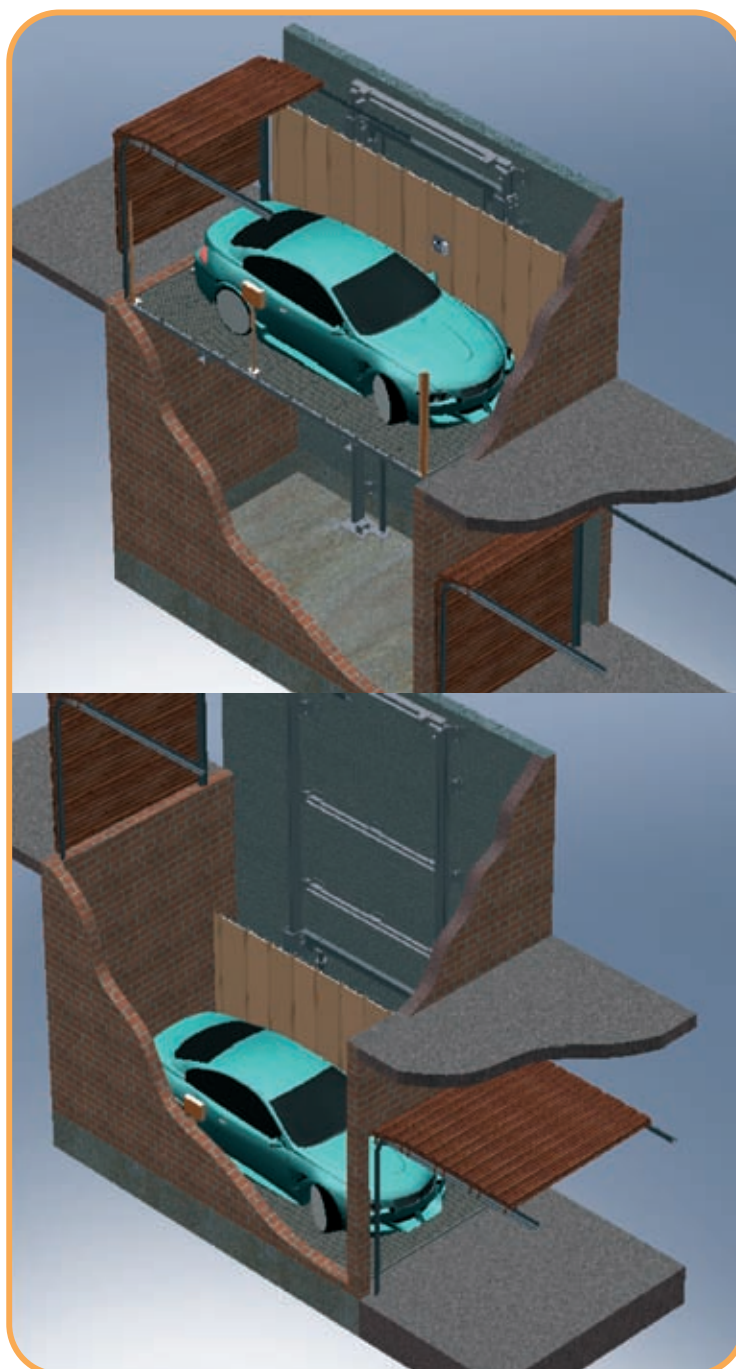
As for the platform accesses, officially approved sectional garage doors will be installed. They are equipped with a device that prevents the platform from operating if one of the doors is not correctly closed or from opening the doors if the platform is not correctly positioned in its corresponding floor.

Usable platform surface:

The usable surface possibilities where to place the vehicle are:

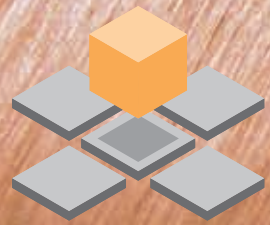
LENGHT	5.40	4.90	4.40	3.90
WIDTH	2.57	2.37	2.17	1.97
CLEAR OPENING	2.48	2.28	2.08	1.88

These measures were chosen, taking into consideration the sizes of almost all the cars to be found in the European market.



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