

**TecnoRampa™**



**Triple  
mechanism  
scissor  
load elevator**

**tecnorampa.us**

# □ Scissor Load Elevator

Our triple mechanism scissor load elevator lifts material from one floor to another, reaching a maximum height of 9.35 ft. Its maximum load capacity is 5516 lbs tons, which allows safe loading and unloading, and also speeds up operating times in places such as warehouses and factories, among others.

Scissor load elevator features facilitate its installation since it requires minimal civil works.



**Load  
capacity**

5516 lbs (2,500 Kg).  
220 3-Phase, Neutral bonded to ground

Maximum height: 9.35 ft (plus pit)  
Hydraulic unit: 5 HP

Platform

**A**  
Total width:  
4.921 ft

**B**  
Clear width:  
4.265 ft

**C**  
Length:  
6.561 ft

\*Clear width is  
calculated without  
railings.



Operation  
system:  
Hydraulic

**F1**

**F2**

Pit

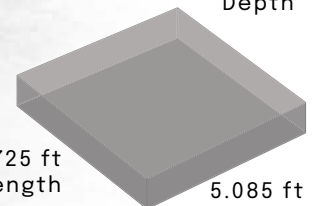
**F1** Length:  
6.725 ft

**F2** Width:  
5.0853 ft

6.725 ft  
Length

2.952 ft  
Depth

5.085 ft  
Width





\*Structural profile with high tensile strength for maximum stability.

1

Removable railing of reinforced pipe.

2

Non-slip sheet

3

Scissor Arms

5

Travel limiters

4

Electrostatic Paint

Cooked to more than 392°F, hyper resistant to weather, water, and extreme heat. Withstands any inclement weather.

## Equipment security systems:

4

Travel limiters  
Limit switch (cuts the electrical power so that the platform does not rise more than the maximum height).

- ▶ Emergency stop (disables the equipment's electrical system, preventing it from operating when charging).

Valves

5

- ▶ Parachute valve into the cylinder (they prevent the equipment from falling in free fall through a broken hose, sealing the cylinder outlets).
- ▶ Relief valve (is calibrated so that the equipment does not load more than the limit, avoiding damage to the equipment due to overload).



# Components



Manufacturer's  
Guarantee  
Certifications.

## Emergency Stop Button Panel

The button panel has a half-turn emergency stop button to be operated safely avoiding that the button is activated manually when the load is being raised.

## Central Power Unit

It has the valve blocking, for a smooth operation of the equipment.  
Manual descent.  
Calibrated at 2500 PSI.

## 2 Hydraulic Cylinders

It has a double hydraulic cylinder, which guarantees its continuous operation and heavy use.

# STRONG MACHINES

# HYDRAULIC POWER UNIT AND CONTROL BOX.

## Operation control

IP 65. It has electrical control that facilitates its operation and guarantees its safety, allowing the activation and blocking of the equipment automatically.

5 hp  
220V / 60 HZ 3-Phase  
Power consumption: 3.75 kw

Injects oil under pressure to the hydraulic system, which allows work together with the set of valves, to provide a stable and powerful ascent and downward movement.



Dimensions for  
installing the  
hydraulic unit

DEPTH: 65CM  
WIDTH: 85CM  
HEIGHT: 150CM



CERTIFIED



**YEARS**  
**WARRANTY**

**TecnoRampa™**

# INSTALLATION REQUIREMENTS



## CONCRETE SURFACE

Concrete compressive strength  $f_c$  =  
3,555.84 PSI armed with 66.10.10 electro  
welded mesh

6 inches thick for concrete.



## ELECTRICAL POWER SUPPLY

It must be located in a protected area  
where only authorized personnel has  
access to its manipulation:

220V 3-Phase, Neutral bonded to  
ground



## PIT

For the installation: a pit of 6.725 ft by  
long by 5.085 ft wide, and a 2.952 ft  
depth, is required. So, when the ramp  
reaches the minimum height, the  
platform reaches the ground level.

2.952 ft

6.725 ft

5.085 ft





***TecnoRampa***<sup>™</sup>

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