

TecnoRampa™



Scissor Dock Leveler

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▶ OPERATION MANUAL

A) LIFT THE LOAD

- 1.- Dock lift must be at ground level to be loaded (emergency brake must be activated for safety)
- 2.- Cargo should be securely loaded and centered on the dock lift.
- 3.- To operate the equipment the emergency brake should be released.
- 4.- Press and hold the "up" button until the dock lift reaches the required height (for added security the up button must remain pressed).

Note: The dock lift will not rise more than 60" (1.52m), which is its maximum stroke.

B) DRAG THE LOAD

Before initiating operations on the dock lift, the emergency brake must be activated for safety. To move cargo on the dock lift, the access lip must be extended at least 100 mm to rest on the vehicle cargo trailer. Once the lip is securely mounted, the load can be safely moved.

Note: This mode is for loading or unloading cargo.



Hydraulic Scissor Dock Lift offers the ability to safely move cargo and achieve operational efficiencies.

It is **ideal for warehouses**, commercial premises, stores, shopping centers, etc. Providing a direct link between warehouses and transportation vehicles.

With **minimal installation requirements** and increased operational efficiencies this unit yields high return on investment.

C) TO LOWER LOAD

- 1.- Cargo should be securely loaded and centered on the dock lift (emergency brake must be activated for safety).
- 2.- To operate the equipment the emergency brake should be released.
- 3.- Press and hold the "down" button until the dock lift reaches the required height (for added security the up button must remain pressed).

Note: Once the floor level is reached, the "down" button should be released, activating the emergency stop button to keep the dock lift immobilize and ready for unloading.

Platform

1 Width and length:
1.83m x 2.43m
72" x 96"

Pit

F1 Depth:
35 cm
13.7"

F2 Width x Length:
1.88m x 2.49m
74" x 98"




**Loading
capacity**

Up to 6000 lb (2,722 Kg) 5hp.
Three-phase supply, neutral, and ground wire.

Simple axial load **50%** of front.
20% simple axial load on each side.



1 Control pendant, Cable length 7m

Security chain

2
Removable handrail

8
Access lip

3
Inclined profile for safety

*Structural strength and maximum stability thanks to galvanized steel profile.

4
1" scissors arms

9

5
Travel limiters

7 1/4" non-slip sheet

6 25' ft (7.62 m) hydraulic hose length.



Powder coated and finished with electrostatic paint. Hyper-resistant to inclement weather such as moisture and extreme heat.

Electrostatic Paint

Electromechanical Systems equipment safety:

▶ **Travel limiters**
Microswitch controls regulate the equipment not to exceed a maximum rise of 60" in (1.52 m).



▶ **Emergency brake**
(Disables equipment's electrical system and prevents operation while charging).

Valves



- ▶ Fusible valves limit free fall.
- ▶ Relief valves limit excessive load damage.
- ▶ Regulator descent valve. (control lowering speed and ensure gradual descent).
- ▶ Manual lowering valve (allowing for manual override in the event of power loss).



Operation Control

IP 65. The equipment has an electric control that facilitates its performance and guarantees

the operation and safety.

Allowing activation and deactivation of the equipment automatically.

Hydraulic Unit

-3 hp
Two-phase power supply
220V / 60 HZ
3.75 kw.

-5 hp
Three-phase power supply
220V / 60 HZ
3.75 kw.

Inject pressurized oil into the hydraulic system with a set of valves manage to provide a stable yet powerful ascend and descend.



On and Off
general switch knob.



YEARS
WARRANTY

Hydraulic Unit





Components



Manufacturer's
Guarantee
Certifications.

Control Buttons

The equipment can be operated from the top of the dock lift or from a distance. IP 65.

Central Unit

It has a valve block, to smooth the operation of the equipment. With manual descent.

2 Hydraulic Cylinder

The equipment has a double hydraulic cylinder which guarantees continuous operation.

STRONG MACHINES

INSTALLATION REQUIREMENTS



CONCRETE PAD

Resistance f_c
250 kg / cm² of 15 cm
thick, electro-welded
mesh form 66.10.10



ELECTRICAL POWER SUPPLY

Must be located in a protected area with access to authorized personnel only.

The electrical supply depends on the type of motor and load capacity: If the equipment is 3,000 pounds, the motor is 3hp (220 vac supply. Two-phase, neutral and ground).

If the equipment is 4,500 pounds the motor is 5 hp (220 vac supply. Three phase, neutral and ground).



PIT

The installation of the ramp requires a 74" / 1.88 m long by 98" / 2.49 m wide pit, with a depth of 35 cm, so the lift can reach its minimum height.

The recommended anchors for fixing the equipment are 3/4" x 4.00" expansive anchor on a 15 cm reinforced concrete with a resistance of 250 kg / cm²





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