



QUICK SPECIFICATIONS for KELLEY aFX® AIR POWERED LEVELERS

Acceptable Manufacturer

Dock Leveler shall be a FX manufactured by Kelley and supplied by AceDoor Systems 2013 Ltd.

Air Powered Dock Levelers

The following description is for an air powered dock leveler to insure low maintenance and reliable performance. All options are included within brackets. Select each option and choice according to project needs.

A. General:

1. Capacity: 13,600, 15,875, 18,140, 20,400, 22,680 kg
2. Platform Width: [1830] [1980] [2130] mm
3. Platform Length: [1830] [2438] [3048] mm
4. Platform Deck Thickness: [6.35mm high tensile steel safety tread plate for 13,600 – 15,875] kg (with abrasive non-skid finish). [7.94mm high tensile steel safety tread plate for 18,140-22,680] kg (with abrasive non-skid finish).
5. Lip Length: [400] [460] [508] mm extension [15.9mm high tensile steel safety tread plate for 13,600-15,875 capacity] (with abrasive non-skid finish), [175mm thick high tensile steel safety tread plate for 16,140-22,680 capacity] (with abrasive non-skid finish), [Lip Rod 25mm solid steel].
6. Vertical Compensation: Floating travel up and down to compensate for loading and unloading to truck.
7. Service Range: 300mm above and 300mm below dock level for 1830mm and 2438mm long models. 457mm above and 300mm below for 3048mm long models.
8. Side to Side Cross-Tilt: 100mm maximum over width of ramp.
9. Pit Floor Slope: Minimum 12mm, back to front.
10. Pit Frame: 75mm x 75mm x 6.35mm steel angle, welded corners and anchors for casting into concrete.
11. Identification: Attached to dock leveler in conspicuous place stating:
 - a. Capacity
 - b. Name of Manufacturer
 - c. Model Number
 - d. Serial Number
12. Standard Features:
 - a. Full operating range toe guard protection.
 - b. Dual-Position Structural Safety Legs
 - c. Integral Maintenance strut
 - d. Open frame design-open front structure to allow easy clean out.
 - e. High volume, low pressure air bag lifting mechanism.
 - f. Direct connection of fan unit to air bag, no hoses or clamps accepted.
 - g. Shimless front and rear frame design.
13. Options:
 - a. [Energy Guard Perimeter Weatherseal system]
 - b. [Master control panel with combination device controls] *See Master Control Panel specs. Master control panel to be 100% UL approved (not just components).
 - c. [Self-forming] [Pour in place box].
 - d. [Insulated Ramp] Type [Foam Spray]
 - e. [Safety Barrier Lip]
 - f. [Automatic Night Locks]

B. Motor Operation:

1. 10 amp fan with two-stage, single speed, self-cleaning filter, UL-approved motor, powered by 240 volt single-phase electrical power.
2. Remote Control Station: Constant pressure push button station complying with NEMA4.
 - a. Constant Pressure on Control Button: Raise unit.



Fabrication

- A. Dock Equipment:
 - 1. Weld base frame construction.
 - 2. Unit supplied completely assembled, ready for use.

Finishes

- A. Dock Equipment Finish:
 - 1. Preparation: Clean surfaces free from slag and splatter, loose mill scale, oil, grease, or rust
 - 2. Dock Leveler: Factory apply manufacturer's standard DTM (Direct to Metal) Water based Paint with built in rust inhibitors.
 - 3. Colour: Manufacturer's standard colour - green.

Pit Construction

- A. Coordinate forming of recess to receive dock leveler.
 - 1. Pit angle curbing and embeds by others.
 - 2. Ensure curb angles are square, level and flush with pit surfaces.
 - 3. Ensure that curb angles are in proper place and pit is of adequate size to receive leveler.
 - a. Pit Design:
 - I. [508mm for 1830, 2438mm long] [610mm for 3048mm long] pit depth for new construction.
 - II. [508mm to 610mm sloped pit depth for food and food service applications to facilitate easy pit cleanout of debris and water. (1830mm and 2438mm long units only)]
 - 4. Ensure that power accessories have been installed and made ready for installation.