

# Rite-Hite Jumbo Dock Leveler

## HYDRAULIC DOCK LEVELERS 11160

Page 1 of 3

### PART 1 - GENERAL

- 1.1 CONDITIONS SPECIFIED ELSEWHERE: Section 010000 - General Requirements.
- 1.2 SUBMIT SHOP DRAWINGS showing pit dimension (length, width and depth), and anchorage of curb angle and embedded plates.
- 1.3 SUBMIT 3 copies of manufacturer's Owner's Manual, Maintenance Manual and Master Service Manual to the A/E. Also, provide manufacturer's maintenance video tape at same time.
- 1.4 WARRANTY: Proposals submitted without the following written warranties will be considered non-responsive.
- 1.4.1 This warranty is based on a standard fork lift truck operating procedure. A standard procedure is; no load shall exceed the rated lift capacity of the truck, and no load shall be pre-staged or stacked and pushed or pulled over the dock leveler into or out of the truck.
- 1.4.2 Dock leveler manufacturer shall provide with his bid a written 10 year money-back warranty on dock levelers. Warranty shall be based on the following criteria:
- Gross weight of fork lift and load shall not exceed \_\_\_\_\_ lbs.
- User's operation shall not exceed \_\_\_\_\_ full truckloads per 24-hour period over any one dock position.
- Lift truck speed shall be no more than 5 mph. Leveler grade shall be no more than the recommended grade as determined by the material handling equipment manufacturer and never more than 7.17%.

- 1.4.3 Dock leveler parts covered under the warranty shall include:

Lip Assembly	Front Hinge Assembly
Rear Hinges and Hinge Pins	Platform Assembly
Front Hinge and Hinge Pins	Working Range Toeguards
Main Lifting Cylinder	Lip Cylinder
Hydraulic Hoses and Fittings	Safety Stop Fuse
Subframe Assembly	Hydraulic Pump and Motor
End Legs	Hydraulic Fluid
Integral Bumpers	

- 1.4.4 All parts not covered under the 10 Year Structural Warranty will have a 5 year parts, 1 year labor warranty.

- 1.4.5 In addition to all other warranties, the manufacturer shall guarantee that the equipment will perform in a manner satisfactory to the Owner for a period of 12 months after date of installation. If Owner is not then satisfied with the performance of the equipment, the Owner may notify the manufacturer and the manufacturer shall remove the equipment and refund the equipment purchase price to the Owner. This guarantee shall be provided by the manufacturer in writing at the time of bid.

## PART 2 - PRODUCTS

- 2.1 HYDRAULIC DOCK LEVELERS shall be manufactured by Rite-Hite. Dock levelers shall be sized by the manufacturer to meet the warranty requirements specified herein.

*NOTE TO SPECIFIER: Size and operating range apply to a typical leveler. Select proper dimensions from manufacturer's literature. Length of leveler specified to be determined by specifier based on range of trucks being serviced and recommended grade as determined by material handling equipment. Grade shall not exceed 7.17%*

- 2.1.1 Recessed adjustable dock levelers shall be 8'6" wide x 8'0" long, with a minimum 15" lip extension beyond bumpers and with operational range of 12" above and 12" below dock level. 12' long units shall have a service range of 12" above and 16" below dock level. **Two steel-faced bumpers shall be integrally mounted to the leveler platform and not interfere with the operation of the leveler.**
- 2.1.2 When leveler is in stored position, the leveler lip will provide an integral and automatically- positioned, impact-rated, solid barrier 7" above building floor to help prevent accidental falls from vacant dock positions. **Unobstructed end loading shall be possible from below dock level.** Overlapping platform barriers or pinch points are not acceptable.
- 2.1.3 Levelers shall be equipped with non-adjustable emergency stop velocity safety system to limit free fall to 3".
- 2.1.4 Factory installed flexible, easily replaced weatherseals to be two-piece system consisting of a steel section welded to leveler, or curb angle, and an independent flexible section fitting inside steel.
- 2.1.5 Levelers shall have hydraulic cylinders for both the ramp and the lip.
- 2.1.6 Levelers shall have infinite control of ramp and lip, allowing operator to extend the lip at any time.
- 2.1.7 The main cylinder shall be inverted, directly opposing the platform.
- 2.1.8 A positive acting momentary pause of the leveler and lip in any position shall be possible by pressing one button.
- 2.1.8 Automatic night locks to be integral part of manufacturer's standard dock levelers.

- 2.1.9 Full operating range telescoping toe guards to close off sides when leveler is in the highest upward position. Working range of 12" is to be of 3/16" steel. Toe guards are to be welded, not bolted, to leveler platform.
- 2.1.10 Leveler deck shall be (1) piece.
- 2.1.11 Lip hinge shall have grease fittings for easy maintenance.
- 2.1.12 Integral maintenance support system includes a minimum 1" diameter steel pipe and provides visual warning by extending through the lip. System remains in place if the platform is accidentally raised to its highest operating position or is impacted from side or rear by a fork truck. System provides lockout capabilities.
- 2.1.13 Levelers shall have ramp flex of 4" to compensate for unlevel trailer beds. Rear hinges shall be fixed and shall not rise above floor level.
- 2.1.14 Dock leveler control box: All individual components, as well as the complete control box unit, shall be UL-approved.
- 2.1.15 (2) Reflecto-Guide™ Safety Strips 30" x 6" for proper position of trailer.

### **PART 3 - EXECUTION**

- 3.1 INSTALLER shall examine the substrate and conditions under which dock levelers are to be installed and notify the A/E and Contractor in writing of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer.
- 3.2 DOCK LEVELER MANUFACTURER'S REPRESENTATIVE shall install dock levelers in accordance with approved shop drawings and manufacturer's recommendations. Location of dock levelers shall be indicated on drawings.
- 3.3 SHIM DOCK LEVELERS as necessary, weld into pit.
- 3.4 ADJUST UNITS to operate smoothly.
- 3.5 AFTER INSTALLATION is completed, a representative of the manufacturer shall examine the installation and require that all connections and adjustments necessary to assure proper operation of dock levelers be made. Before acceptance, a demonstration shall be conducted in the presence of the owner's representative to guarantee that all levelers operate properly in every respect. In addition, a detailed user/operator training session shall be conducted at time and place agreed upon by owner's representative and manufacturer's representative.