

# McGUIRE

A Division of Systems, Inc.

# HED SERIES

## HYDRAULIC EDGE OF DOCK



NEMA 4 Standard  
Control Panel

- ▶ Bridges the gap between building and truck where a minimal variance exists between dock and truck with a working range of 5" above and 5" below dock level.
- ▶ Standard Nema 4 single pushbutton control for easy activation of deck and lip. Utilizes readily available single phase power.
- ▶ Quiet dependable operation via two cylinder design with deck and lip cylinders. Motor/pump mounts in readily accessible area on shelf under unit.
- ▶ HED comes complete with automatic and hydraulic restore functions. Once trailer pulls away unit automatically stores and if trailer stays at dock unit can be stored hydraulically without the need to move trailer.
- ▶ Post office approved with use of 3" high runoff guard for mail cart and personnel protection. Usage of 17" lip allows the HED to service refrigerated trailers.

**GENERAL DESCRIPTION:** All McGuire HED Series Edge of Dock Levelers incorporate the use of hydraulic components to raise and lower both the platform and lip. The HED Series Edge of Dock Leveler mounts to the exterior dock face providing a simple and economical alternative to "portable plates" or "pit style" levelers. The product is ideal for the motor freight industry or those companies with standard trailer bed heights.

**OPERATION:** The HED is controlled remotely from a wall mounted control panel. The platform is raised when the raise pushbutton on the control panel is depressed and held. When the fully yieldable lip extends the button is released allowing the extended lip and platform to lower onto the trailer bed at either above or below dock position. Upon trailer departure the lip automatically restores itself to the stored position. The unit can also be restored with the trailer at the dock. In-use and store positions are achieved without manual operation. Operable range is 5" above and 5" below dock level. Standard lip is 15". (17" lip available for refrigerated trailers) The HED deck and lip move up and down under hydraulic pressure.

**CONSTRUCTION:** The platform and lip are constructed of 4-way high tensile 50,000 lb minimum yield A572 safety tread plate. The tread plate on the 20,000 and 25,000 lbs DIR units is 3/8" thick, the 30,000 lb CIR unit is 7/16" thick and the 35,000 lb CIR unit is 1/2" thick. The standard lip length is 15" on all HED Series edge of dock levelers. Hinge tubes are 1 1/4" OD for 20,000 , 25,000 and 30,000 lbs CIR and 1 1/2" OD for 35,000 lbs CIR units. Lip hinge pins are 11/16" solid shaft cold finish M1044 steel for 20,00, 25,000 and 30,000 lbs units and 1" FOR 35,000 lb CIR units. Each edge of dock leveler comes standard with 1/2" full width load distribution bar, connection the hinge and lip sections. Deck is supported in the stored position by a minimum of four (4) steel gussets attached to the base plate.

**HYDRAULICS:** Platform is raised by a main hydraulic cylinder; all hydraulic hoses are safely routed under the HED platform. Lip operation is controlled by a second independent lip cylinder. Motor pump is mounted under HED on bracket for easy access. Reservoir is translucent for monitoring of fluid level.

**INSTALLATION:** For new construction a flush or recessed 8" to 12"

anchoring channel is strongly recommended. Unit is welded and anchored to embed plate and foundation wall. For existing docks without preferred embed channel optional ramp approach plates or formed angles are available to maximize the strength of the installation.

**COLORS:** Levelers painted slate blue. Other colors available. Consult factory.

**DOCK BUMPERS:** Two heavy duty molded 4" thick x 12" high x 13" wide molded rubber bumpers as standard mounted to bumper block assemblies, with total projection of 18", to help protect the deck plate and building from approaching trailers. Bumper block assemblies are constructed of formed steel and incorporate a full height internal gusset for extra support. Top is safety tread plate. Optional sizes and types are available.

**VEHICLE RESTRAINT SYSTEMS:** McGuire HED Series hydraulic edge of dock levelers can be equipped with an optional STOP-TITE® or a HOLD-TITE® series vehicle restraint or a Light Communication System to help prevent unexpected trailer departure from the loading dock and minimize trailer creep during the loading/unloading process and to enhance communication at the dock area. The restraints would be supplied in conjunction with the proper cantilever bracket to maintain proper relationship with the trailer.

**ELECTRICAL:** Hydraulic pump motor either 1 HP TENV at 120v or 208v, single phase or at 208v, 230v or 460v three phase.. Electrical control panel is NEMA 4 enclosure. All electrical components, connections and wiring are UL listed or recognized. Please Note: Unless specifically noted on quotation, all electrical requirements are the responsibility of others.

**WARRANTY:** All McGuire HED Series hydraulic edge of docks feature a full one (1) year base warranty on all structural, hydraulic and electrical parts, including freight and labor charges in accordance with McGuire's Standard Warranty Policy. McGuire warrants all components to be free of defects in materials and workmanship, under normal use, during the warranty period. This base warranty period begins upon the completion of installation or the sixtieth (60th) day after shipment, whichever is earlier.

# EDGE OF DOCK LEVELER



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## HYDRAULIC EDGE OF DOCK

### Optional Equipment for HED Series Hydraulic Edge of Dock Levelers

Check Options Desired

- 1.7" Lip for Refrigerated Trailers
- U.S. Post Office Model with 3" Run Off Guards
- Tapered Lip (Tapered at Sides)
- Abrasive Deck Surface over 4 way safety tread plate
- Low Profile Design (Flat Center Plate) Pallet Jack Applications
- Stainless Steel Hinge Pins
- Cold Spray Metallized
- Recessed EOD with Laminated Bumpers (1 Pair ) (in lieu of standard)
- Extra Heavy Duty Sliding Bump Block Series Wall Mounting Bracket (1 Pair) (in lieu of standard)
- Steel Face Bumpers (1 Pair) (in lieu of standard)
- No bumpers/Bumper Blocks (1 Pair)
- Special Paint

### Dimensions and Capacities

Select a Model and a Capacity

HED MODEL - NOMINAL SIZE		CAPACITY-COMPARATIVE INDUSTRY RATING (CIR)	
<input type="checkbox"/>	HED 66"	<input type="checkbox"/>	20,000 LBS. CIR
<input type="checkbox"/>	HED 72"	<input type="checkbox"/>	25,000 LBS. CIR
<input type="checkbox"/>	HED 78"	<input type="checkbox"/>	30,000 LBS. CIR
<input type="checkbox"/>	HED 84"	<input type="checkbox"/>	35,000 LBS. CIR

Customer: \_\_\_\_\_

Job: \_\_\_\_\_

Location: \_\_\_\_\_

Number of Units: \_\_\_\_\_

Model: \_\_\_\_\_

Represented By: \_\_\_\_\_

Sales Rep: \_\_\_\_\_

Certified for Construction:

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Company: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

SS HED 7/08

Consistent with our policy of continuing product improvement, we reserve the right to change product specifications without notice or obligation.

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