# **MD-CH Series**



## Hydraulic Edge of Dock Leveler

High performance hydraulic system. Ease of use, at the touch of a button.

The MD-CH Series hydraulic edge-of-dock leveler from Blue Giant is ideally suited for applications where installation of pit levelers is not feasible or where standard fleet bed heights are serviced at the loading dock.

The MD-CH Series is easily installed to the dock face providing an efficient self storing docking unit, with ease of use at the touch of a button.

#### **Features**

- Deck and lip operation provided by dual hydraulic maintenance free cylinders
- · Smooth top plate transition
- Rugged remote mount single push button NEMA 4X (IP65) rated control
- Cylinders and motor pre-fitted to edgeof-dock assembly
- 1 HP motor
- Lifting hole in lip allows for quick and easy handling by installer

### Structural Integrity

- Deck and lip plates made of premium grade 50,000 psi minimum yield fourway diamond tread plate
- Heavy-duty 3/8" x 6" back beam
- One-piece, continuous front and rear hinge pins for enhanced strength and durability
- Lip bevel helps protect forklift tires and steering systems and cargo



 Two (2) molded rubber bumpers bolted onto heavy-duty steel block extensions, to help protect building and dock from damage

#### **Ease of service**

- · Single push button station
- Grease fittings to minimize operational friction
- Optional grip handle for use as maintenance stand (shown)

#### Operation

- Easy to deploy, less effort "operator maintains constant control"
- Working range capability of 5" (127 mm) above and 5" (127 mm) below dock
- · Self-storing upon truck departure

#### **Associated products**

- Vehicle restraint systems
- Light communication systems
- · Wheel chocks





Stored traffic position

Front view

Isometric view

# **MD-CH Series**



#### Standard construction features

- 15" (381 mm) lip with bevel edge
- Dual hydraulic cylinder (deck and lip)
- NEMA4X, 3-1/2" L x 7-1/4" H x 5-1/4" P (88 mm x 184 mm x 133 mm)
- 1 HP motor
- Welding procedure compliant with A.W.S.D.1.98 specifications
- Deck and lip constructed out of high tensile steel
- Four way diamond tread plate
- Hole in lip to help with easy handling and installation
- Two (2) molded rubber dock bumpers 10" W x 13" H x 4" D (254 mm x 330 mm x 102 mm) mounted to heavy-duty bumper blocks

#### **Hydraulic operating system**

Provides quiet, dependable and smooth cycling.

- 1. Maintain constant pressure on push button.
- 2. The deck raises to a vertical position and extends lip.

#### Lip operation

Lip automatically extends as unit is lowered onto truck bed. Lip automatically returns to stored position upon truck departure. The length of the lip shall not be less than 15" (381 mm).

#### **Automatic vertical compensation and travel**

Unit provides float up to 5" above and below dock level.

#### **Automatic lateral compensation**

Leveler shall have deck flex to compensate for canted (out of level) truck beds.

#### **Rated capacity**

30,000 lb (13,636 kg)

### **Optional Features**

- ☐ 17" (432 mm) lip ☐ Flat lip
- Comfort grip handle for use as maintenance stand

#### Serviceability

Grease fittings

#### Finish and color

· Unit to be painted gray

MODEL	CAPACITY	DECK SIZE (W x L)
☐ MDC7230H	30,000 lb (13,636 kg)	72" x 27" (1829 mm x 686 mm)
☐ MDC7830H		78" x 27" (1981 mm x 686 mm)

#### Warranty

Standard one-year parts and labor warranty from date of shipment. Warranties are subject to standard limitations on liability. Please consult Blue Giant warranties at www.bluegiant.com for full details on warranty information and product registration.

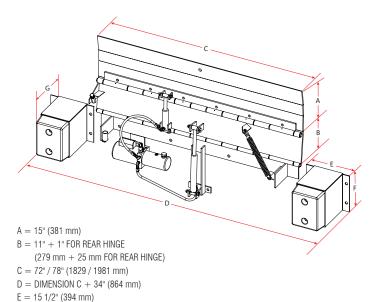
#### **Installation Accessories**

- Approach rampsFace plates
- 8" Pour-in channel

#### **Optional Products**

- ☐ Vehicle restraint systems
  ☐ Communication systems
  ☐ Wheel all all systems

#### **Nominal Dimensions**



Note:

F = 13" (330 mm) G = 16" (406 mm)

Recommend minimum 8" structural concrete embedment (pour-in) channel, installed by others. Some components are not illustrated. Mounting anchors are not included.

Working range reduced by 2" when ordered with 17" lip and/or flat lip option.



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