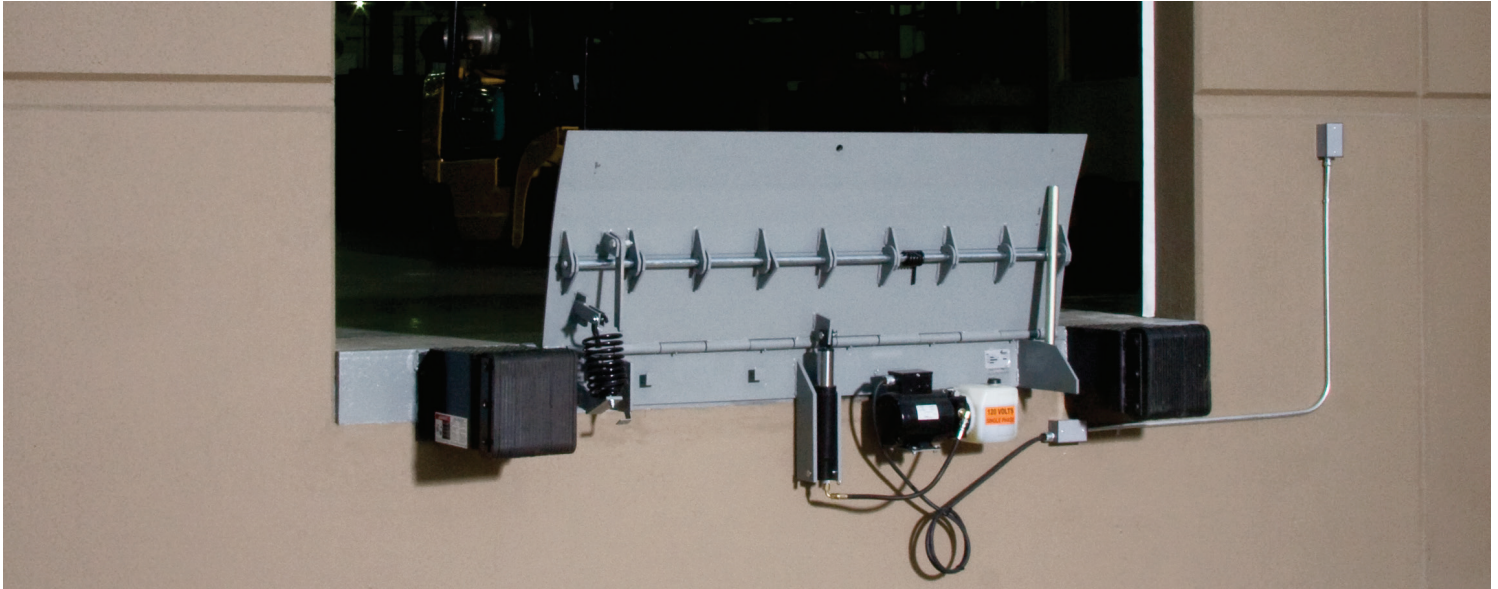# KH Series Hydraulic Edge-of-Dock Leveler
Product Specifications

DESIGN HIGHLIGHTS

- Push-button operation eliminates manual lifting
- Efficient and reliable hydraulic lifting system
- Exclusive lug style lip hinge provides superior strength and extended life
- High strength steel tread plate (ramp & lip)
- 120 V single phase operation
- Operating range is 5" (127 mm) above to 5" (127 mm) below dock
- Effective working range is 3" (76.2 mm) above to 3" (76.2 mm) below dock
- Lower profile design reduces interference with material handling equipment
- Beveled lip edge (11 degrees) provides smooth interface with trailers
- 15" (381 mm) lip standard
- Tire laminated bumpers mounted to steel bumper blocks
- Exclusive EZ-Hang™ installation system simplifies install
- Integral maintenance/service strut

AVAILABLE OPTIONS

- ☐ Three phase motor
- ☐ 17" (432 mm) lip for refrigerated trailers
- ☐ Post Office model with 2" (51 mm) cart guard
- ☐ Steel faced bumpers
- ☐ Tapered lip (tapered on each side)
- ☐ Recessed pit model
- ☐ Special surface finish
- ☐ Bumper projection 16", 17", or 18" (406, 432, or 457 mm)_____

AVAILABLE ACCESSORIES

- ☐ Embed channel or transition model _____
- ☐ Vehicle restraint-model _____
- ☐ Dock seal or shelter-model _____
- ☐ Other _____

PROJECT INFORMATION

JOB NAME _____

ADDRESS _____

GENERAL CONTRACTOR _____

DISTRIBUTOR _____

MODEL_____QUANTITY_____

VOLTAGE/PHASE _____

CERTIFIED FOR CONSTRUCTION

BY _____

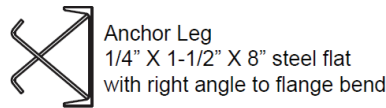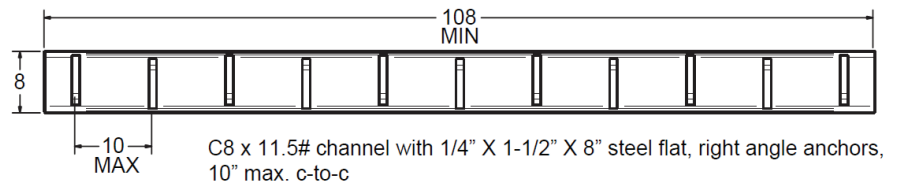COMPANY _____

ADDRESS _____

DATE _____

1. **General:** Unit meets or exceeds MH14.1-1987 performance requirements.

2. **Construction:** Deck and lip to be ⅜" (9.5 mm) to ½" (12.7 mm) thick (depending upon capacity) high tensile steel tread plate. Conforms to ANSI/MH14.1 1987 performance requirements. Self-cleaning lug-style front lip hinge with heavy-duty lugs to ramp assembly. Ramp assembly projects 13" (330 mm) from dock in the stored position and the standard lip length is 15" (381 mm).

3. **Hydraulics:** A 2" (51 mm) bore single acting cylinder.

4. **Electrical:** Motor is 1 h.p., NEMA standard T.E.N.V./56C frame. Standard motor voltages available are 120/208/240 volt single phase. Optional three phase voltages available include 208/240/480 and 575. Electrical system has built in motor overload protection as standard.

5. **Bumpers:** Unit to include two 4"x10"x12" (101 mm x 254 mm x 305 mm) tire laminated bumpers mounted to steel block assemblies. Bumper projections available in 16", 17" and 18" (406, 432 & 457 mm). See chart for bumper projections.

6. **Working Range:** Operating range is 5" (127 mm) above to 5" (127 mm) below below dock level. Effective working range is 3" (76 mm) above and 3" (76 mm) below dock level*

7. **Operation:** Constant contact push button operation with lip automatically extending. The unit can be stored by again by pushing the button to remove the lip from the trailer.

8. **Installation:** Unit ships completely assembled for easy installation. Unit to be securely welded to a channel (8" (203 cm) minimum) embedded in concrete and secured with anchoring hooks as recommended. Instructions are defined in the product's owner's manual.

9. **Limited Warranty:** Warranted against defects in materials and workmanship for one year.

NOMINAL DIMENSIONS			
MODEL	WIDTH	LENGTH	CAPACITY
KH6620	66" (1676 mm)	27" (686 mm)	20,000 lbs. (9091 Kg)
KH6630	66" (1676 mm)	27" (686 mm)	30,000 lbs. (13,636 Kg)
KH7220	72" (1829 mm)	27" (686 mm)	20,000 lbs. (9091 Kg)
KH7230	72" (1829 mm)	27" (686 mm)	30,000 lbs. (13,636 Kg)
KH7830	78" (1981mm)	27" (686 mm)	30,000 lbs. (13,636 Kg)
KH8430	84" (2134 mm)	27" (686 mm)	30,000 lbs. (13,636 Kg)

BUMPER PROJECTIONS		
LIP LENGTH	CROWN	PROJECTION
15" (381 mm)	5°	16" (406 mm)
15" (381 mm)	8°	16" (406 mm)
17" (432 mm)	2.5°	18" (457 mm)
17" (432 mm)	5°	17" (432 mm)
17" (432 mm)	8°	16" (406 mm)

* Due to the limited length of EOD levelers, its structure is subjected to greater dynamic load than with longer levelers. Capacity selection is based on ideal operating conditions (i.e. maximum gross load traveling at 3 mph on 10% grade or less); if the application exceeds this condition a higher capacity leveler must be selected.

Channel and Anchor Detail

108 MIN

8

10 MAX

C8 x 11.5# channel with 1/4" X 1-1/2" X 8" steel flat, right angle anchors, 10" max. c-to-c

Anchor Leg
1/4" X 1-1/2" X 8" steel flat with right angle to flange bend

See Chart

Stored Position

A	B
66"	98"
72"	104"
78"	110"
84"	116"

B
Outside of Bumper Flanges
A
Width of Ramp

Bumper Projection (See Chart)

12"

10"

8" Minimum Channel