

HYDRAULIC DOCK SYSTEMS 25,000, 35,000 & 45,000 lb. CAPACITIES



ARCHITECTURAL SPECIFICATIONS

GENERAL

The BH2 Series pit mounted hydraulic dock levelers are available in one basic style.

BM2 Series - Two movement with 16" hinged flip lip.

DESCRIPTION

Adjustable hydraulic dock leveler with two movements:

(1) Up, (2) down. Dock leveler to be _____ ft. long x _____ ft. wide with a static capacity of _____ lbs.

Platform to be constructed of floor plate reinforced by C channel deck support beams. The units are powered with a 1 h.p., 1½ GPM pump that activates the deck hydraulic cylinder. The 16" hinged flip lip extends automatically when deck is raised. The BH2 Leveler may be recycled and stored with vehicle at dock or after vehicle departs by depressing start button. 24" total Vertical travel, 12" above floor level and 12" below floor level. Deck will compensate a maximum of 4" from side to side to service unlevel vehicles. Dock leveler is constructed of 55,000 lb. minimum yield steel tread plate. Dock leveler to be equipped with full operating range toe guards and a set of dock bumpers. Dock leveler to meet or exceed the performance requirements of CS202-56., OSHA and ANSI MH14.1-1984.

SCOPE

This specification describes a push button control hydraulic operated adjustable dock leveler, to be installed in a pit and/or affixed to loading platforms and to compensate for uneven heights between the truckbed and the dock.

DIMENSIONS

NOTE:

The sizes below are nominal lengths.

MODEL	CAP. (LBS.)	WIDTH	LENGTH	WEIGHT
BH26625	25,000	72"	6'	1540
BH26825	25,000	72"	8'	1690
BH27625	25,000	83"	6'	1595
BH27825	25,000	83"	8'	1984
BH26635	35,000	72"	6'	1668
BH26835	35,000	72"	8'	1950
BH27635	35,000	83"	6'	1745
BH27835	35,000	83"	8'	2182
BH26645	45,000	72"	6'	1718
BH26845	45,000	72"	8'	2000
BH27645	45,000	83"	6'	1804
BH27845	45,000	83"	8'	2241

6½' wide models are available upon request. Additional models and capacities are available, consult factory.

OPERATION

The Beacon BH2 Hydraulic dock levelers are simple to operate and are single pushbutton remote controlled for all stages of operation. When raising the Beacon deck, you will find the deck and lip action fully automatic. When the Beacon deck is raised the lip automatically extends, the deck and lip descend to the floor of the truck trailer when the button is released. The BH2 Series recycles when the start button is pushed.

CONSTRUCTION

The capacities of the BH2 are available in 25,000, 35,000 and 45,000 lb. Structural C channel deck support beams are 100% welded to the back of the ¾" x 6" header plate, (1/2" x 6" on 35 & 45M); 6 each under 6' wide models and 8 each under 7' wide models. Deck shall be 1/4" Thick, Lip shall be 1/2" Thick on our 25,000 lb. capacities and 5/8" on our 35,000 and 45,000 lb. capacities. Lip Hinge and Deck assembly shall be 1/4" Wall seamless tubing with a 1" cold rolled 1045 steel rod for our 25,000 capacities. Deck and Lip shall be 55,000 minimum yield steel tread plate. All levelers include fork entry slots and lifting holes in the side plates for ease of handling during shipping and installation.

HYDRAULICS

1½ GPM hydraulic pump. Hydraulic deck with hydraulic lip. Main cylinder to be 4" diameter bore with 2" diameter ram. BH2 is equipped with an in line safety valve to prevent leveler deck from free fall from premature trailer departure.

ELECTRICAL

The BH2 series electrohydraulic unit is complete with a 1 h.p. totally enclosed motor to be factory tested and wired for 115V or 230V, 1 PH. 60 HZ; or 230V or 460V, 3 PH. 60 HZ as specified. All operations to be push button controlled from a single prewired NEMA 12 wall-mounted remote. All electrical hook-ups are by others.

SAFETY EQUIPMENT

RAMP SIDES: The sides of the ramp shall be provided with full operating range steel safety toe guards. The Beacon lip keepers are installed for your protection while in storage, at installation and for night security along with providing safe and secure cross traffic support. An in-line safety stop prevents sudden fall while loading should the leveler become unsupported by the trailer. A maintenance strut is provided with each leveler. Two 4" x 10" x 13" molded dock bumpers shall be supplied with each dock leveler.

OPTIONAL FEATURES

- 3 Phase motor.
- Weather Seals.
- Lip 18" (14" projection).
- Lip 20" (16" projection).
- Base Frame Deep Pit Anchor Kit (4" channel for 23" deep pit) welded at factory.
- Emergency Stop Feature.
- Foam insulation.
- Abrasive Surface.
- Self-forming pan with bottom (leveler welded in).
- EZ Pan (Self-forming) assembled at job site.
- Pit Curb Angle Kit.
- Yellow & Black Diagonal Striping on Sides.
- Leveler without Standard Bumpers.

PAINT

Beacon Grey

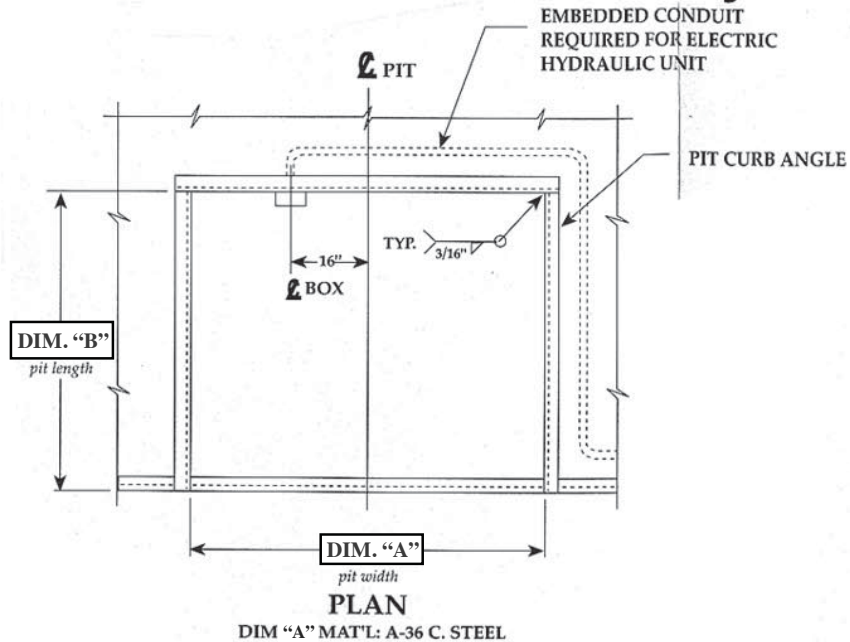
OWNERS MANUAL

Owners Manual comes with each unit, including General Information, Pit preparation, Leveler preparation, Anchoring Instructions, Wiring Diagram, Operating Instructions, Troubleshooting, Parts List.

WARRANTY

The BH2 Series comes with a Limited Warranty - 2 years on structural members, 2 years on cylinder, 1 year on motor/pump and miscellaneous parts.

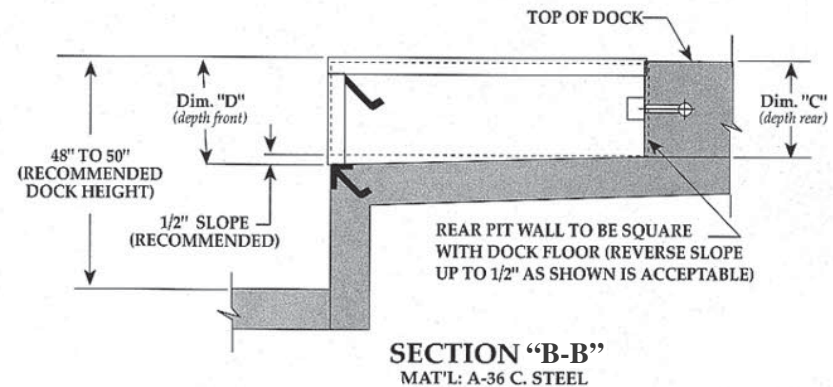
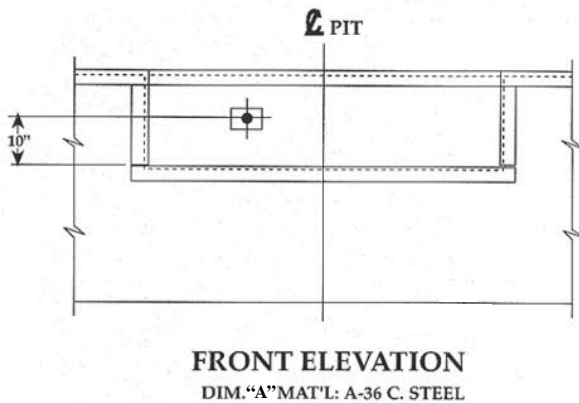
BEACON BH2 Series Hydraulic Dock Leveler Pit Detail



VARIABLE DIMENSIONS				
MODEL SIZE	"A"	"B"	"C"	"D"
6'W x 6'L	74"	63"	19½"	20"
6'W x 8'L	74"	87"	19½"	20"
6'-6"W x 6'L	80"	63"	19½"	20"
6'-6"W x 8'L	80"	87"	19½"	20"
7'W x 6'L	85"	63"	19½"	20"
7'W x 8'L	85"	87"	19½"	20"

INSERT SPECIFIC JOB DIMENSIONS FROM CHART

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NOT TO SCALE

NOTES

JOB

DRAWN:	SCALE:	DATE:	DRAWING NUMBER:
D.E.A.	AS NOTED	5/15/98	PMI-2014 -R1

TOLERANCES:		
Inch Dimension =	Decimal Dimension =	Angles =
± 1/16"	± .005	± 1°

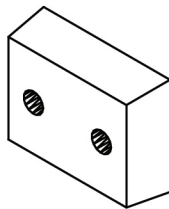


Model: 9243

BM1-Series

BH2-Series

Model: 9243 Molded Bumper



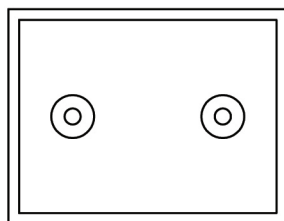
Size:

Overall Length	13
Overall Thickness	4
- Height	10
- Anchor Holes	7
Total Weight	17 lbs

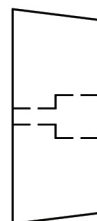
Date: 8-3-99

Scale: Full

Please Note: Weights are calculated and are not actual and overall tolerance may vary + or - 1/4".



FRONT VIEW



SIDE VIEW

