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**BLUE GIANT EQUIPMENT CORPORATION**

**'A' SERIES DOCK LEVELER & VEHICLE RESTRAINT COMBO**  
**MODEL 'FHE' / 'TL85' COMBO – HYDRAULIC**  
**SPECIFICATIONS:**

Dock Leveler shall be hydraulic Model \_\_\_\_\_ comes complete with hydraulic lip and deck cylinders and 4" (101mm) maintained deck tilt, safety vehicle restraint, interior/exterior communications light package and driver warning signs as manufactured by BLUE GIANT.

| MODEL SIZE REF   | DECK WIDTH | DECK LENGTH w/ 16" LIP | PIT DEPTH<br>Front 20" and Rear 19 1/2" |            |
|--|------------|------------------------|---|------------|
|  |            |                        | PIT WIDTH                               | PIT LENGTH |
| A686FHE/TL85   | 72"        | 75 1/2"                | 74"                                     | 61 1/4"    |
| A688FHE/TL85   | 72"        | 99 1/2"                | 74"                                     | 85 1/4"    |
| A6810FHE/TL85  | 72"        | 123 1/2"               | 74"                                     | 109 1/4"   |
| A6812FHE/TL85  | 72"        | 147 1/2"               | 74"                                     | 133 1/4"   |
| A6686FHE/TL85  | 78"        | 75 1/2"                | 80"                                     | 61 1/4"    |
| A6688FHE/TL85  | 78"        | 99 1/2"                | 80"                                     | 85 1/4"    |
| A66810FHE/TL85   | 78"        | 123 1/2"               | 80"                                     | 109 1/4"   |
| A66812FHE/TL85   | 78"        | 147 1/2"               | 80"                                     | 133 1/4"   |
| A786FHE/TL85   | 83"        | 75 1/2"                | 85"                                     | 61 1/4"    |
| A788FHE/TL85   | 83"        | 99 1/2"                | 85"                                     | 85 1/4"    |
| A7810FHE/TL85  | 83"        | 123 1/2"               | 85"                                     | 109 1/4"   |
| A7812FHE/TL85  | 83"        | 147 1/2"               | 85"                                     | 133 1/4"   |
| <b>Capacities available:</b><br>30,000 / 35,000 / 40,000 / 45,000 / 50,000 / 60,000 / 80,000lb |            |                        |   |            |

For metric conversion to mm, multiply inches by 25.4. For conversion to kg, divide lb by 2.2.

**DOCK LEVELER**

**TYPE:**

Recessed, pit installed hinged dock leveler. Electro-hydraulic operated.

**FUNCTION:**

**Vertical Travel:** Working range of 12" (305mm) above and 12" (305mm) below dock level.

**Automatic Vertical Compensation:** Unit provides float of 12" (305mm) above and 12" (305mm) below dock level.

**Automatic Lateral Compensation:** Provides maintained side-to-side deck tilt of up to 4" (101mm) to compensate for canted truck beds.

**Lip Operation:** Hydraulically powered lip. Lip will yield under impact of incoming truck and will automatically drop pendant upon truck's departure. The length of the lip extension shall not be less than 16" (406mm) from the ramp edge.

**OPERATION:**

**Hydraulic Operating System:** Easy to operate, quiet and smooth cycling. Electro-hydraulic raising and hydraulic lowering of the dock leveler controlled from a remote single or multi (pending model specified) pushbutton station. Includes means of lowering the dock leveler below platform level. The loaded ramp's free fall is limited to not over 3" (76mm) by a hydraulic velocity fuse. Unit shall come complete with a 1HP motor and equipped with overload protection. Power pack mounted underneath the deck.

**Remote push-button Control Station:** Provide a single operation push button control station with constant pressure "1" (UP), and thermal "R" (RESET) button. Control station is NEMA4 rated, 3 1/4"W x 6 1/2"H x 5 1/8"D (83 x 165 x 130mm) in size.

**VEHICLE RESTRAINT**

**TYPE:**

Electro-hydraulic operated non-impact design. Wall mounted. Overall body dimension 13"W x 27"L x 11"H (330 x 686 x 279mm) plus back mounting plate.

**RESTRAINT FUNCTION:**

**Vertical Restraining Range:** From 12" to 29" (305 to 737mm) above grade.

**Horizontal Restraining Range:** From 0" to 12" (0 to 305mm) beyond the face of the dock.

**Mounting System:** Dock face mounting using 6 wedge anchor bolts 5/8" dia. x 6" long (16 x 152mm). Transfer of pulling force to driveway improves restraining strength by equalizing forces on anchors. Trailer rear impact guard during backing in does not impact restraint's body.

**OPERATION:**

**Operating System:** 1/2 HP motor in remote location on 24' (7,315mm) hydraulic hose, controlled from a NEMA12 rated remote push-button control station with "ON", "OFF" and "Override" key control.



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### MODEL 'FHE' / 'TL85' COMBO – HYDRAULIC

**Communication System:** Interior red and green indicator lights mounted on the control station. Exterior LED red and green high visibility traffic style lights and direct and mirror image driver's warning signs. The lighting system alerts both dock attendant and vehicle driver to the status of the restraint. If vehicle has no restraining Rear impact guard, the interior and exterior communications lights will flash red, warning the dock attendant that the vehicle is not secured and requires wheel chocks.

#### RATED CAPACITY:

Welding procedure compliant with A.W.S.D1.1 98 specifications. All units rated in compliance with ANSI MH14.1. UL approved electrical components. Capacities available from 30,000lb to 80,000lb (13,636kg to 36,370kg). Structural deck support to include minimum six each high-tensile solid steel I-beam members. Restraint rated at 35,000 lb (15,909kg) pull-out force and 100,000lb (45,454kg) mounting force.

#### SAFETY DEVICES:

- Full operating range metal toe guard protection
- Hydraulic velocity fuse "fall safe" to limit free fall up to 3" (76mm)
- Cross traffic support - lip engaged in saddles
- Corner safety stops
- Telescopic v-grooved maintenance strut, integral to unit
- Chamfered lip
- Key switch override
- Dock leveler and restraint interlocks to prevent cycle of dock until restraint engaged and to prevent release of dock until restraint returned to stored position

#### FINISH AND COLOR:

**Dock Leveler:** Toe guards painted safety yellow as specified by ANSI Z535.1. Remainder of unit painted blue. High visibility OSHA safety striping on stationary side toe guards. **Vehicle Restraint:** Welded structural steel housing. Restraint arm is constructed of 1½" thick solid steel. The housing protects all components from damage from weather, dirt and debris. NEMA4 submersible rated wand switch, remote power pack location and cylinder vented to power pack reservoir protects from water damage. To resist corrosion and reduce maintenance, housing is zinc plated, main hinge pin is made of stainless steel and cylinder rod has nitride coating. **LED Traffic Lights:** The housing shall be a one-piece molded yellow polypropylene with protective tunnel visors. The lenses shall be 4 ¼" (107mm) diameter of red and green color. Overall body 6 3/8"W x 11 3/8"L x 3 3/4"D (161 x 289 x 95mm) in size.

#### WARRANTY:

Warranties are subject to standard limitations on liability. Please consult Blue Giant warranties at <http://www.BlueGiant.com> for full details on warranty information and product registration.

#### STANDARD ACCESSORIES:

- Night Locks
- Two model DB411 laminated bumpers 14"W x 10"H x 4.5"D (355 x 254 x 114mm)
- Key switch on/off
- Wall bracket for restraint power pack and 24' (7,315mm) hydraulic hose
- Manual override (to lower the restraining arm in event of power failure)
- Six mounting bolts
- Communications package; lights and signs

#### OPTIONAL ACCESSORIES:

- Foam insulation underside of deck - dock
- Side and rear rubber style weather seals – dock
- Side and rear nylon brush style weather seals – dock
- 18" to 24" (457mm to 609mm) long lips - dock
- Remote mounted power pack on 24' (7,315mm) hydraulic hose - dock
- Pour-in pan (dock leveler welded to a steel pan, allowing it to be "poured in place" after concrete slab is poured)
- Clean pit frame - dock
- Flood proof NEMA6P switch for standing water or flooding - restraint
- Extension plates to suit extended dock leveler pits - restraint
- Overhead door interlock switch
- 45 degree actuating arm, increases horizontal service range - restraint
- Specify power supply voltage