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## BLUE GIANT EQUIPMENT CORPORATION

### MANTIS SERIES MECHANICAL DOCK LEVELER

#### MODEL 'MTS-M'

#### SPECIFICATIONS:

Dock Leveler shall be mechanical Model \_\_\_\_\_ comes complete with disk brake locking hold down mechanism and 4" (101mm) lateral ramp flex as manufactured by BLUE GIANT.

MODEL SIZE REF	DECK WIDTH	DECK LENGTH w/ 16" LIP	PIT DEPTH Front 20" and Rear 19 1/2"	
			PIT WIDTH	PIT LENGTH
MTS6-6M	72"	74"	74"	61 1/4"
MTS6-8M	72"	98"	74"	85 1/4"
MTS6-10M	72"	122"	74"	109 1/4"
MTS66-6M	78"	74"	80"	61 1/4"
MTS66-8M	78"	98"	80"	85 1/4"
MTS7-6M	83"	74"	85"	61 1/4"
MTS7-8M	83"	98"	85"	85 1/4"
MTS7-10M	83"	122"	85"	109 1/4"

**Capacities available:**  
25,000 / 30,000 / 35,000 / 40,000lb  
Note: 10' long models available in 25,000 and 30,000 lbs capacity, with 16" lip only

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

#### **TYPE:**

Recessed, pit installed hinged dock leveler. Manually 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:** Leveler shall have deck flex up to 4" to compensate for non-level trailer beds. Rear hinge fixed and does not come up above floor level.

**Lip Operation:** Mechanically operated lip that automatically extends and locks into position. 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:**

**Mechanical Operating System:** No manual lifting involved. Attendant pulls release chain that activates the locking hold down system designed to minimize cross traffic bounce and provide instant hold. The deck is driven up by heavy-duty lift springs and the lip is smoothly powered out. Dock is then "walked" down onto the truck bed. A second chain is pulled to disengage the fall safe legs and allow below level operation. When the truck departs, the lip releases, allowing the unit to be returned to the cross-traffic position.

#### **RATED CAPACITY:**

Welding procedure compliant with A.W.S.D1.1 98 specifications. All units rated in compliance with ANSI standards. Capacities available in 25,000lb to 40,000lb (11,363kg to 18,181kg). Structural deck support to include minimum six each high tensile formed steel members.

#### **SAFETY DEVICES:**

- Working range metal toe guard protection
- Mechanical fall safe legs to limit free fall and below level lip control for end-loading (may be optional in certain markets, specify)
- Cross traffic support - lip engaged in saddles
- Corner below level stops
- Telescopic v-grooved maintenance strut, integral to unit
- Chamfered lip

#### **FINISH AND COLOR:**

Unit painted blue. High visibility OSHA safety striping on stationary working range side toe guards.

#### **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)



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**B L U E   G I A N T   E Q U I P M E N T   C O R P O R A T I O N**

**MODEL 'MTS-M' – MECHANICAL DOCKLEVELR**

**OPTIONAL ACCESSORIES:**

- Foam insulation underside of deck
- Under deck support for 3-wheel lift truck applications
- Side and rear rubber style weather seals
- Side and rear nylon brush weather seals
- 18" and 20" (457 and 508mm) long lips
- Pour-in pan (dock leveler welded to a steel pan, allowing it to be "poured in place" after concrete slab is poured)
- Vehicle restraint to keep trailer securely stationed at the loading dock