

# Loading Dock Equipment

s p e c i f i c a t i o n s

# BLUE GIANT®

**DOCK LIFTS LoMASTER SERIES  
MODEL 'ED' - STATIONARY HYDRAULIC  
SPECIFICATIONS:**

Scissor dock lift shall be stationary type Model ED \_\_\_\_\_ / \_\_\_\_\_ x \_\_\_\_\_ as manufactured by BLUE GIANT.  
(Sample: ED5/72x96-10 equals Model ED 5,000lb (2272 kg) capacity/72" (1829mm) wide x 96" (2438) long platform deck-10" (254mm) lowered height)

DECK LENGTH		LOWERED HEIGHT		VERTICAL TRAVEL		RAISED HEIGHT		LIFT SPEED ** By CAPACITY * (FPM)		
<b>5 HP REMOTE POWER PACK</b>										
<b>DECK WIDTH: 60" (1524mm) / 72" (1829mm) / 84" (2134mm) / 96" (2438mm) W</b>								<b>4,000 lb / 1818 kg</b>	<b>5,000 lb / 2273 kg</b>	<b>6,000 lb / 2727 kg</b>
inches	mm	inches	mm	inches	mm	inches	mm			
96" L	2438 L	10"	254	59"	1499	69"	1753	16.5	14.0	12.2
108" L	2743 L	14"	356	59"	1499	73"	1854	11.5	11.5	7.6
120" L	3048 L							10.8	7.2	7.2
144" L	3658 L							10.3	6.9	6.9
<b>5 HP REMOTE POWER PACK</b>										
<b>DECK WIDTH: 60" (1524mm) / 72" (1829mm) / 84" (2134mm) / 96" (2438mm) W</b>								<b>8,000 lb / 3636 kg</b>	<b>10,000 lb / 4545 kg</b>	<b>12,000 lb / 5455 kg</b>
inches	mm	inches	mm	inches	mm	inches	mm			
96" L	2438 L	14"	356	59"	1499	73"	1854	11.8	10.8	7.7
108" L	2743 L							11.5	7.4	7.4
120" L	3048 L							11.0	7.4	7.4
144" L	3658 L							6.5	5.8	6.5
<b>7 ½ HP REMOTE POWER PACK</b>										
<b>DECK WIDTH: 60" (1524mm) / 72" (1829mm) / 84" (2134mm) / 96" (2438mm) W</b>								<b>15,000 lb / 6818 kg</b>	<b>20,000 lb / 9091 kg</b>	
inches	mm	inches	mm	inches	mm	inches	mm			
96" L	2438 L	21"	533	59"	1499	80"	2032	7.4	7.4	
108" L	2743 L							6.7	6.7	
120" L	3048 L							6.3	6.3	
144" L	3658 L							5.8	5.8	
* Based on evenly distributed loads. Single axle rolling load capacity 80% across ends and 50% across sides.										
** Other lowered heights available. Consult factory.										

**TYPE:**

Floor or pit installed, single scissor dock lift. Electro-hydraulic operated.

**FUNCTION:**

**Lowered Height:** Standard available from 10" to 21" (254mm to 533mm).

**Vertical Travel:** Standard available 59" (1499mm).

**Travel Speed:** Recommended standard available up to 25FPM (7mpm). Lowering speed is factory preset for safe lowering with rated load.

**OPERATION:**

**Power Unit:** Remote 5HP (up to 12,000lb / 5455kg capacity models) or 7 ½ HP (15,000-20,000 lb / 6818-9091 kg capacity models) power pack on 12' (3657mm) hydraulic hose. Includes all major components, motor, high-pressure gear pump, manifold, oil filters and oil reservoir. Power unit includes a pressure relief valve, load holding check valve, fixed pressure compensated flow control valve and poppet-type lowering solenoid valve. Oil filter located in the valve manifold (oil reservoir).

**Remote push-button control station:** Remote on 12' (3657mm) electrical cord. NEMA4 rated dual button control station, constant pressure type, complete with 'UP' and 'DOWN' buttons, 2¼"W x 4"H x 2½"D (57 x 102 x 64mm) in size. Controller includes a three pole magnetic motor starter with adjustable overload and a fuse protected 120-volt control transformer. Terminals provided for incoming power connection. Controller components are installed in NEMA12 rated enclosure, pre-wired and dielectric tested.

**CONSTRUCTION:**

**Platform:** Fabricated of heavy non-skid high tensile steel checker plate and reinforced with steel beams for maximum strength and rigidity. Platform sides have beveled toe guard protection.

**Hinged Bridge:** Standard lip is piano-hinge type, 18" long x 60" wide (457mm x 1524mm), and is fabricated of non-skid high tensile steel checker plate. Lip edge is beveled. Plated lifting chain is provided.

**Removable Handrails:** Steel pipe 1.5" (38mm) construction, 42" (1067mm) high, with mid-rail and 4" (102mm) high kick plate. Handrail sockets are flush with platform surface. Chains are provided at both open ends between the rails.

**Scissor Mechanism:** Legs are fabricated of solid steel sections.

**Cylinders:** Minimum two piston type hydraulic cylinders. Rods constructed of hard-chrome steel and include self-adjusting polyurethane seals, positive internal stops, and fitted with vent lines. Hydraulic velocity fuse "fall safe" to prevent platform free fall is attached to each cylinder.

**Bearings:** All pivot points fitted with permanently lubricated Teflon impregnated bushings. Pivot pins made of hard-chrome plated steel.

## **RATED CAPACITY:**

Welding procedure compliant with A.W.S.D1.1 98 specifications. All units are constructed in compliance with ANSI MH29.1-1994. UL approved electrical components. All units are rated for evenly distributed loads. Single axle rolling load capacities are 80% across the ends and 50% across the sides. Standard capacities range from 4,000lb to 20,000lb (1,818kg to 9,091kg).

## **SAFETY DEVICES:**

- Built-in, maintenance stop hinged to frame
- Safety velocity fuses on each cylinder
- Tapered toe guard protection and safety striping
- Warning labels
- Handrails and safety chain

## **FINISH AND COLOR:**

Unit painted blue. Toe guards supplied with high visibility yellow/black warning striping. Handrails painted safety yellow.

## **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.

## **OPTIONAL ACCESSORIES:**

- Various lip sizes and configurations
- Spring assisted lips
- Aluminum lips
- Hydraulically actuated lip
- Electric trip bars (to stop unit in case of down travel obstruction)
- Accordion safety skirting
- Warning bell (to indicate lift in motion)
- Warning horn with adjustable volume control mounted on power unit (to indicate lift in motion)
- Flashing amber warning beacon mounted on power pack
- Mechanical roll-off barrier
- 24VAC control
- Up travel limit switch
- Return line oil filter
- 3 and 10HP remote power packs
- Specify power supply voltage