

# *BLUE GIANT*®

## LOMASTER™ DOCK LIFT SERIES

GROUND LEVEL HYDRAULIC LIFTS



QUALITY CONSTRUCTION AND LOADING VERSATILITY

2,000 to 20,000 lb (1,818 to 9,091 kg) rated capacities

# Turn any ground level area into a functional loading dock.

The LoMaster™ Series Dock Lift from Blue Giant provides a safe and efficient way to handle endless material handling applications at grocery stores, schools, hospitals, and distribution centers – anywhere a low-profile workhorse is required.

Typically, a dock lift will cost 1/3 the price of a fork truck and will have a quicker ROI compared to the long-term cost associated with operating a forklift and manually loading/off-loading a trailer. A LoMaster™ Series Dock Lift will also greatly reduce handling costs, cargo damage, and employee injury common to vertical transfer operations.

Blue Giant LoMaster™ Series Dock Lifts are available in many sizes with standard capacities up to 20,000lb (9,091 kg). Before choosing the unit that is right for your application, compare our standard design features.



## Standard Features - Stationary and Low-Profile Dock Lift

### Safety

Hydraulic pump with built-in overload relief

Up-travel limit switch

8" (203 mm) tapered toe guard protection - stationary models only

Handrails with 4" (102 mm) kick plate and dual barrier chain across both ends

Precision safety velocity fuses on hydraulic cylinders to prevent platform free-fall

Mechanical flip-down maintenance stop on stationary models only

### Operation

24 VAC voltage control

Push button control on 12' (3.65 m) straight cord

Remote powerpack 12' (3.65 m) with hydraulic hose (three-phase, common voltages) and oil included

Completely sealed, weather resistant cylinders vented back to hydraulic tank to prevent contaminant entry into cylinder

Motor, controls, push button factory pre-wired and tested (UL/CSA approved)

### Structural

Checkered deck and 18" x 60" (457 x 1500 mm) long lip with lifting chain on rolling end

Factory assembled and load tested

Hard chromed pivot pins at cylinder and center pin

All pivot points feature maintenance-free lifetime lubricated bushings

Full length deck beam for maximum support

Solid plate steel legs for maximum rigidity



LoMaster™ dock lifts are backed by an industry leading warranty and comply to ANSI MH29.1 standards.



# Stationary Dock Lift

Blue Giant LoMaster™ Series Stationary Dock Lift models can be mounted in a pit or anchored to a concrete pad.

## Optional Features

| Safety  |
|---|
| Electric toe guard protection   |
| Warning horn with volume control  |
| Flashing amber beacon light   |
| Interlock swing gates   |
| Accordion safety skirting   |
| Mechanical pop-up wheel chock   |
| Operation   |
| Key switch on push button   |
| Lip: Aluminum, Split, Hydraulic, Spring Assist, Extended Length, Multiple |
| Low temperature oil   |
| Immersion heater for oil reservoir  |
| 3 - 10 HP remote powerpacks   |

Consult factory for additional options.



| Lift Speed Conversions for Optional Powerpacks |                               |
|--|-------------------------------|
| 5 HP to 3 HP                                   | multiply lift speed by 0.4167 |
| 5 HP to 7-1/2 HP                               | multiply lift speed by 1.29   |
| 5 HP to 10 HP                                  | multiply lift speed by 1.87   |

| Powerpack Specifications |        |        |       |        |         |        |                 |        |
|--------------------------|--------|--------|-------|--------|---------|--------|-----------------|--------|
| Powerpack                | Length |        | Width |        | Height  |        | Shipping Weight |        |
| 3 HP                     | 18"    | 457 mm | 15"   | 381 mm | 29"     | 737 mm | 175 lb          | 80 kg  |
| 5 HP                     | 20"    | 508 mm | 20"   | 508 mm | 29"     | 737 mm | 190 lb          | 86 kg  |
| 7-1/2 HP                 | 25"    | 635 mm | 20"   | 508 mm | 36-1/2" | 927 mm | 405 lb          | 184 kg |
| 10 HP                    | 25"    | 635 mm | 29"   | 737 mm | 31"     | 787 mm | 460 lb          | 209 kg |

NOTE: 3 HP available for 5,000 lb - 6,000 lb (1,818 kg - 2,727 kg) capacity models only

| Stationary Dock Lift Specifications |                              |                |                 |                |                           |  |                      |  |                      |  |
|-------------------------------------|------------------------------|----------------|-----------------|----------------|---------------------------|--|----------------------|--|----------------------|--|
| Deck Width                          | Deck Length                  | Lowered Height | Vertical Travel | Raised Height  | Lift Speed** by Capacity* |  |                      |  |                      |  |
| 60" (1,524mm)                       | <b>5 HP Remote Powerpack</b> |                |                 |                | 5,000 lb (2,273 kg)       |  | 6,000 lb (2,727 kg)  |  |                      |  |
|                                     | 96" (2,438 mm)               | 10" (254 mm)   | 59" (1,499 mm)  | 69" (1,753 mm) | 14.0 fpm 4.3 mpm          |  | 12.2 fpm 3.7 mpm     |  |                      |  |
|                                     | 108" (2,743 mm)              | 14" (356 mm)   | 59" (1,499 mm)  | 73" (1,854 mm) | 11.5 fpm 3.5 mpm          |  | 7.6 fpm 2.3 mpm      |  |                      |  |
|                                     | 120" (3,048 mm)              |                |                 |                | 7.2 fpm 2.2 mpm           |  | 7.2 fpm 2.2 mpm      |  |                      |  |
|                                     | 144" (3,658 mm)              |                |                 |                | 6.9 fpm 2.1 mpm           |  | 6.9 fpm 2.1 mpm      |  |                      |  |
| 72" (1,829mm)                       | <b>5 HP Remote Powerpack</b> |                |                 |                | 8,000 lb (3,636 kg)       |  | 10,000 lb (4,545 kg) |  | 12,000 lb (5,454 kg) |  |
|                                     | 96" (2,438 mm)               | 14" (356 mm)   | 59" (1,499 mm)  | 73" (1,854 mm) | 11.8 fpm 3.6 mpm          |  | 10.8 fpm 3.3 mpm     |  | 7.7 fpm 2.3 mpm      |  |
|                                     | 108" (2,743 mm)              |                |                 |                | 11.5 fpm 3.5 mpm          |  | 7.4 fpm 2.3 mpm      |  | 7.4 fpm 2.3 mpm      |  |
|                                     | 120" (3,048 mm)              |                |                 |                | 11.0 fpm 3.4 mpm          |  | 7.4 fpm 2.3 mpm      |  | 7.4 fpm 2.3 mpm      |  |
|                                     | 144" (3,658 mm)              |                |                 |                | 6.5 fpm 2.0 mpm           |  | 5.8 fpm 1.8 mpm      |  | 6.5 fpm 2.0 mpm      |  |
| 84" (2,134mm)                       | <b>5 HP Remote Powerpack</b> |                |                 |                | 15,000 lb (6,818 kg)      |  | 20,000 lb (9,091 kg) |  |                      |  |
|                                     | 96" (2,438 mm)               | 21" (533 mm)   | 59" (1,499 mm)  | 80" (2,032 mm) | 7.4 fpm 2.3 mpm           |  | 7.4 fpm 2.3 mpm      |  |                      |  |
|                                     | 108" (2,743 mm)              |                |                 |                | 6.7 fpm 2.0 mpm           |  | 6.7 fpm 2.0 mpm      |  |                      |  |
|                                     | 120" (3,048 mm)              |                |                 |                | 6.3 fpm 1.9 mpm           |  | 6.3 fpm 1.9 mpm      |  |                      |  |
|                                     | 144" (3,658 mm)              |                |                 |                | 5.8 fpm 1.8 mpm           |  | 5.8 fpm 1.8 mpm      |  |                      |  |
| 96" (2,438mm)                       | <b>5 HP Remote Powerpack</b> |                |                 |                | 15,000 lb (6,818 kg)      |  | 20,000 lb (9,091 kg) |  |                      |  |
|                                     | 96" (2,438 mm)               | 21" (533 mm)   | 59" (1,499 mm)  | 80" (2,032 mm) | 7.4 fpm 2.3 mpm           |  | 7.4 fpm 2.3 mpm      |  |                      |  |
|                                     | 108" (2,743 mm)              |                |                 |                | 6.7 fpm 2.0 mpm           |  | 6.7 fpm 2.0 mpm      |  |                      |  |
|                                     | 120" (3,048 mm)              |                |                 |                | 6.3 fpm 1.9 mpm           |  | 6.3 fpm 1.9 mpm      |  |                      |  |
| 144" (3,658 mm)                     | 5.8 fpm 1.8 mpm              |                | 5.8 fpm 1.8 mpm |                |                           |  |                      |  |                      |  |

\* Capacities are based on evenly distributed loads. Single axle rolling load capacity is 80% of rated capacity across the ends and 50% of rated capacity across the sides.

\*\* Nominal lift speeds with rated load - based on factory test conditions. fpm = feet per minute / mpm = meter per minute

Note: Consult factory for custom sizes and capacities. All dock lifts come with 18" (457 mm) long x 60" (1,524 mm) wide lip on rolling end.

# Low-Profile Dock Lift

If you find forming a concrete pit/pad too costly, an economical solution is a LoMaster™ Low-Profile Dock Lift. The unit is installed at the dock face and mounted on locating cradles and wear plates. With its extremely low profile, the unit provides added versatility for ground level loading/unloading operations.

The high quality construction features found in the stationary models are incorporated into all of our low-profile dock lifts. Easy lift cylinder is encased in a weather-resistant, platform free-fall. Hard chromed pivot points are fitted with lifetime lubricated bearings or Teflon-coated steel bushings. Indicator bars and high visibility striping provide four sided toe protection. Sturdy steel handrails with 4" (102 mm) kick plates and barrier chains at both ends provide added operator safety. An 18" (457 mm) long lip with lifting chain on the rolling end is standard.

Minimal maintenance and product longevity make LoMaster™ Low-Profile Dock Lifts a welcome addition to any facility.



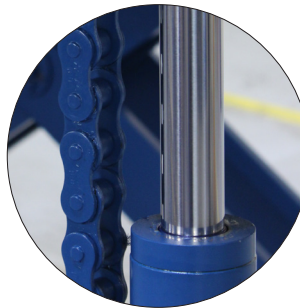
## Optional Features

### Safety

- Electric toe guard protection
- Warning horn with volume control
- Flashing amber beacon light

### Operation

- Key switch on push button
- Portable dolly
- Lip: Aluminum, Spring Assist, Extended Length, Multiple
- 3-5 HP remote powerpacks



### Lift Speed Conversions for Optional Powerpacks

|                  |                               |
|------------------|-------------------------------|
| 5 HP to 3 HP     | multiply lift speed by 0.4167 |
| 5 HP to 7-1/2 HP | multiply lift speed by 1.29   |

### Powerpack Specifications

| Std. Powerpack | Length |        | Width |        | Height |        | Shipping Weight |       |
|----------------|--------|--------|-------|--------|--------|--------|-----------------|-------|
| 3 HP           | 18"    | 457 mm | 15"   | 381 mm | 29"    | 737 mm | 175 lb          | 80 kg |
| 5 HP           | 20"    | 508 mm | 20"   | 508 mm | 29"    | 737 mm | 190 lb          | 86 kg |

### Low-Profile Dock Lift Specifications

| Deck Size (Width x Length)*     | Lowered Height     | Vertical Travel   | Raised Height         | Lift Speed*** by Capacity** |                     |                     |
|---------------------------------|--------------------|-------------------|-----------------------|-----------------------------|---------------------|---------------------|
| <b>5 HP Remote Powerpack</b>    |                    |                   |                       | 4,000 lb (1,818 kg)         | 5,000 lb (2,273 kg) | 6,000 lb (2,727 kg) |
| 72" x 96" (1,829mm) x 2,438mm)  | 5"<br>(127 mm)     | 55"<br>(1,397 mm) | 60"<br>(1,524 mm)     | 20.1 fpm                    | 20.1 fpm 6.1 mpm    | 14.2 fpm 4.3 mpm    |
| 72" x 120" (1,829mm) x 3,048mm) |                    |                   |                       | 6.1 mpm                     | 14.2 fpm 4.3 mpm    | -                   |
| 84" x 96" (2,134mm) x 2,438mm)  | 5 1/4"<br>(133 mm) | 55"<br>(1,397 mm) | 60 1/4"<br>(1,530 mm) | 20.1 fpm                    | 20.1 fpm 6.1 mpm    | -                   |
| 84" x 120" (2,134mm) x 3,048mm) |                    |                   |                       | 6.1 mpm                     | 14.2 fpm 4.3 mpm    | -                   |
| 96" x 120" (2,438mm) x 3,048mm) |                    |                   |                       | 6.1 mpm                     | 14.2 fpm 4.3 mpm    | -                   |

\* Dimension between cylinder posts is 18" (457 mm) less than overall deck width.

\*\* Capacities are based on evenly distributed loads. Single axle rolling load capacity is 50% of rated capacity across the ends and 20% of rated capacity across the sides.

\*\*\* Nominal lift speeds with rated load - based on factory test conditions. fpm = feet per minute / mpm = meter per minute

**Note:** Overall raised height = lowered height plus vertical travel. All dock lifts come with 18" (457 mm) long x 60" (1,524 mm) wide lip on rolling end.

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AUTHORIZED DEALER

Blue Giant offers a full line of dock levelers, dock safety equipment, seals and shelters, accessories, ergonomic and scissor lift equipment and industrial trucks. Concurrent with our continuing product improvement program, specifications are subject to change without notice. Please contact Blue Giant for latest information. Some features illustrated may be optional in certain market areas.