

Gear Drive[®] Lift

4-Post Cable Lifts

Capacity: 4,500 lbs – 30,000 lbs

The Gear Drive[®] Lift is a Hi-Tide design that boasts an all-aluminum structure, the longest-lasting metal for the marine environment.



Warranty

- 15-year structural warranty
- 5-year gear box warranty
- 2-year motor warranty
- 1-year comprehensive warranty

Standard Features

- Patented, sealed aluminum Hi-Tide **Gear Drive**® gear box provides efficient, quiet and fast performance
- Remote control and aluminum bunks (up to 20,000 lbs)
- All-aluminum structure using 6061-T6 marine-grade aluminum
- Machined aluminum cable winders that extend cable and driveshaft life
- Twin I-beam top carrier beams
- Welded construction throughout
- Aluminum pulleys with greaseable stainless steel axle bolts
- Stainless steel electric motors – made in America
- Stainless steel cables and hardware

Options & Accessories

- Aluminum catwalk
- Aluminum catwalk steps
- Aluminum service platform
- Boarding platform
- Boathouse brackets
- Cradle stabilizers
- Driveshaft covers
- Flare guides
- Limit switch
- Marina brackets
- Cable keepers
- Additional options and accessories available

Specifications for Hi-Tide Gear Drive® Lift, low and standard profile (the Gear Drive® models below include remote control)

All specifications subject to change without notice.

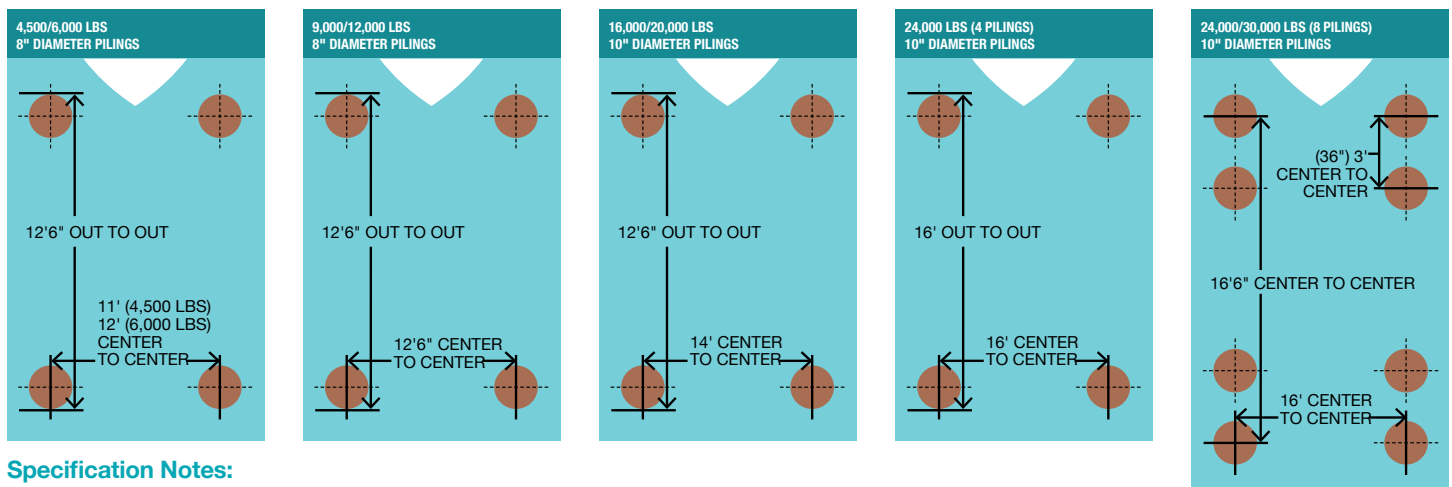
Structural Specifications for Hi-Tide Gear Drive® Lift

| LIFT MODEL | I-BEAM TOP CARRIER LIFTER BEAM DIMENSIONS | SPEED | CABLE & SHAFT SIZES | STANDARD BUNKS | MOTOR (STAINLESS STEEL) | REQUIRED VOLTS/AMPS | GUIDE POLE WEIGHT PIPE SIZE | PILING QUANTITY/SIZE |
|-------------------------------------|---|---------|--|---------------------------|-------------------------|----------------------|-----------------------------|----------------------------|
| 4,500 LB (SINGLE CABLE) | 4" x 3" x 12'6" 6" x 4" x 11" | 40"/min | Cable: 1/4" x 20' Shaft: 1 15/16" Grooved sleeve: 16" | 8" x 12' aluminum bunks | (1) 1 hp | 120V/20A 240V/15A | 2" x 6'8" 1.5" x 50" | 4 pilings/ 8" diameter |
| 6,000 LB (SINGLE CABLE) | 4" x 3" x 12'6" 6" x 4" x 12" | 40"/min | Cable: 5/16" x 20' Shaft: 1 15/16" Grooved sleeve: 16" | 8" x 12' aluminum bunks | (1) 1 hp | 120V/30A 240V/15A | 2" x 6'8" 1.5" x 50" | 4 pilings/ 8" diameter |
| 9,000 LB (DOUBLE CABLE) | 4" x 3" x 12'6" 6" x 4" x 12'6" | 20"/min | Cable: 1/4" x 30' Shaft: 1 15/16" Grooved sleeve: 16" | 8" x 12' aluminum bunks | (2) 1/2 hp | 120V/20A 240V/15A | 2" x 6'8" 1.5" x 50" | 4 pilings/ 8" diameter |
| 12,000 LB (DOUBLE CABLE) | 5" x 3.5" x 12'6" 8" x 5" x 12'6" | 20"/min | Cable: 5/16" x 30' Shaft: 1 15/16" Grooved sleeve: 16" | 10" x 12' aluminum bunks | (2) 3/4 hp | 120V/30A 240V/15A | 2" x 10' 1.5" x 8'4" | 4 pilings/ 8" diameter |
| 16,000 LB (DOUBLE CABLE) | 6" x 4" x 12'6" 10" x 6" x 14' | 20"/min | Cable: 5/16" x 30' Shaft: 1 15/16" Grooved sleeve: 16" | 10" x 12' aluminum bunks | (2) 1 hp | 240V/15A | 2" x 10' 1.5" x 8'4" | 4 pilings/ 10" diameter |
| 20,000 LB (TRIPLE CABLE) | 6" x 4" x 12'6" 10" x 6" x 14' | 13"/min | Cable: 5/16" x 45' Shaft: 1 15/16" Grooved sleeve: 18" | 10" x 14' aluminum bunks | (2) 1 hp | 240V/15A | 2" x 10' 1.5" x 8'4" | 4 pilings/ 10" diameter |
| 24,000 LB (TRIPLE CABLE, 4 PILINGS) | 8" x 5" x 16' 12" x 7" x 16' Light duty | 13"/min | Cable: 5/16" x 45' Shaft: 1 15/16" Grooved sleeve: 18" | 3" x 12" x 18' wood bunks | (2) 1 hp | 240V/15A | 2" x 10' 1.5" x 8'4" | 4 pilings/ 10" diameter |
| 24,000 LB (TRIPLE CABLE, 8 PILINGS) | 4" x 3" x 48" 12" x 7" x 16' Light duty | 13"/min | Cable: 5/16" x 45' Shaft: 1 15/16" Grooved sleeve: 18" | 3" x 12" x 18' wood bunks | (4) 3/4 hp | 240V/30A | 2" x 10' 1.5" x 8'4" | 8 pilings/ 10" diameter |
| 30,000 LB (TRIPLE CABLE, 4 PILINGS) | 8" x 5" x 16' 12" x 7" x 16' Heavy duty | 19"/min | Cable: 3/8" x 50' Shaft: 1 15/16" Grooved sleeve: 18" | 3" x 12" x 18' wood bunks | (4) 1 hp | 240V/30A | 2" x 10' 1.5" x 8'4" | 4 pilings/ 12" diameter |
| 30,000 LB (TRIPLE CABLE, 8 PILINGS) | 5" x 3.5" x 48" 12" x 7" x 16' Heavy duty | 19"/min | Cable: 3/8" x 50' Shaft: 1 15/16" Grooved sleeve: 18" | 3" x 12" x 18' wood bunks | (4) 1 hp | 240V/30A | 2" x 10' 1.5" x 8'4" | 8 pilings/ 10" diameter |

Wire Specifications for Hi-Tide Gear Drive® Lift

| MOTOR HP (STAINLESS STEEL) | 100' | | 200' | | 300' | | 400' | |
|----------------------------|------|------|------|------|------|------|------|------|
| | 120V | 240V | 120V | 240V | 120V | 240V | 120V | 240V |
| (2) 1/2 hp | #10 | #12 | #8 | #12 | #6 | #10 | #4 | #10 |
| (2) 3/4 | #8 | #10 | #6 | #10 | #4 | #10 | #2 | #8 |
| (2) 1 hp | — | #10 | — | #10 | — | #10 | — | #8 |
| (4) 3/4 | — | #10 | — | #8 | — | #6 | — | #4 |
| (4) 1 hp | — | #10 | — | #8 | — | #6 | — | #4 |

Piling Setting Dimensions for Gear Drive® Lift & X2 Gear Drive® Lift, Low-Profile Only



Specification Notes:

- Hi-Tide Gear Drive® top carrier beams are designed to fit pilings up to 12" in diameter. Please notify Hi-Tide if concrete pilings will be used.
- Hi-Tide Gear Drive® lifter beams are designed to lift on the centerline of the support pilings. If the dock edge overlaps centerline of the pilings, adjustment should be made to increase piling spacing side to side, shorten lifter beams, or notch deck boards to accommodate lifter beams. Please contact Hi-Tide for help at 1-800-544-0735.