



## Product Specifications for the Hi-Tide Gear Drive® Lift (US Patent 6,397,691)



### FEATURES

- Capacity: up to 30,000 lbs
- Sealed aluminum Hi-Tide Gear Drive® gear box is standard on this lift for efficient, quiet and fast performance
- Remote control and aluminum bunks (up to 20,000 lbs) are standard
- Gear box available in low or standard profile (please specify with order)
- All aluminum structure using 6061-T6 marine-grade aluminum
- Twin I-beam top carrier beams
- Welded construction throughout
- Aluminum pulleys with greaseable stainless steel axle bolts
- Stainless steel electric motors
- Stainless steel cables and hardware
- Available for marina application
- Fifteen-year structural warranty
- Five-year gear box warranty
- Two-year motor warranty
- One-year comprehensive warranty

### OPTIONS AND ACCESSORIES

- Hi-Tide X2 Gear Drive® upgrade for even faster performance (low profile only); includes remote control and limit switch
- Aluminum catwalk
- Aluminum catwalk steps
- Aluminum service platform
- Boarding platform
- Boathouse brackets
- Cradle stabilizers
- Driveshaft covers
- Flare guides
- Limit switch
- Marina brackets
- For additional options and accessories, please visit our web site at [www.hi-tide.com](http://www.hi-tide.com).

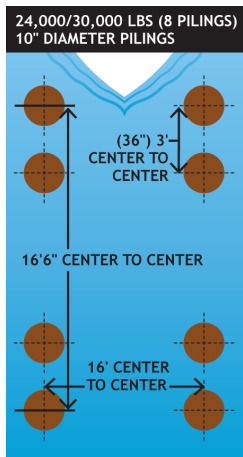
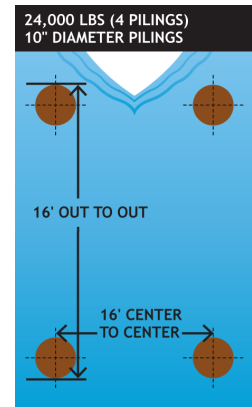
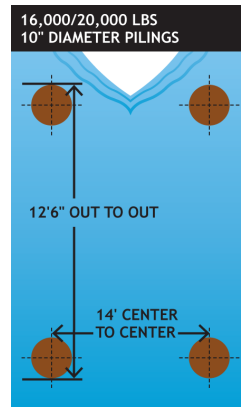
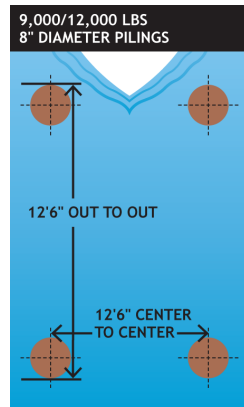
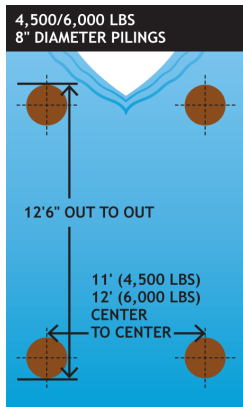
**SPECIFICATIONS FOR HI-TIDE GEAR DRIVE® LIFT, LOW AND STANDARD PROFILE  
(THE HI-TIDE GEAR DRIVE® MODELS BELOW INCLUDE REMOTE CONTROL)**

All specifications subject to change without notice.

STRUCTURAL SPECIFICATIONS FOR HI-TIDE GEAR DRIVE® LIFT							
MODEL	I-BEAM TOP CARRIER LIFTER BEAM DIMENSIONS	CABLE & SHAFT DIMENSIONS	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'	Cable: 1/4" x 20' Shaft: 1 15/16" Grooved sleeve: 16"	12' aluminum	(2) 1/2 hp	120V/20A 240V/15A	2" x 6'8" 1 1/2" x 50"	4 pilings/ 8" diameter
6,000 LB (SINGLE CABLE)	4" x 3" x 12'6" 6" x 4" x 12'	Cable: 5/16" x 20' Shaft: 1 15/16" Grooved sleeve: 16"	12' aluminum	(2) 3/4 hp	120V/30A 240V/15A	2" x 6'8" 1 1/2" x 50"	4 pilings/ 8" diameter
9,000 LB (DOUBLE CABLE)	4" x 3" x 12'6" 6" x 4" x 12'6"	Cable: 1/4" x 30' Shaft: 1 15/16" Grooved sleeve: 16"	12' aluminum	(2) 1/2 hp	120V/20A 240V/15A	2" x 6'8" 1 1/2" x 50"	4 pilings/ 8" diameter
12,000 LB (DOUBLE CABLE)	5" x 3 1/2" x 12'6" 8" x 5" x 12'6"	Cable: 5/16" x 30' Shaft: 1 15/16" Grooved sleeve: 16"	12' aluminum	(2) 3/4 hp	120V/30A 240V/15A	2" x 10' 1 1/2" x 8'4"	4 pilings/ 8" diameter
16,000 LB (DOUBLE CABLE)	6" x 4" x 12'6" 10" x 6" x 14'	Cable: 5/16" x 30' Shaft: 1 15/16" Grooved sleeve: 16"	12' aluminum	(2) 1 hp	240V/15A	2" x 10' 1 1/2" x 8'4"	4 pilings/ 10" diameter
20,000 LB (TRIPLE CABLE)	6" x 4" x 12'6" 10" x 6" x 14'	Cable: 5/16" x 45' Shaft: 1 15/16" Grooved sleeve: 18"	14' aluminum	(2) 1 hp	240V/15A	2" x 10' 1 1/2" 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	Cable: 5/16" x 45' Shaft: 1 15/16" Grooved sleeve: 18"	3" x 12" x 18' wood	(2) 1 hp	240V/15A	2" x 10' 1 1/2" 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	Cable: 5/16" x 45' Shaft: 1 15/16" Grooved sleeve: 18"	3" x 12" x 18' wood	(4) 3/4 hp	240V/30A	2" x 10' 1 1/2" x 8'4"	8 pilings/ 10" diameter
30,000 LB (TRIPLE CABLE: 8 PILINGS)	5" x 3 1/2" x 48" 12" x 7" x 16' Heavy duty	Cable: 3/8" x 50' Shaft: 1 15/16" Grooved sleeve: 18"	3" x 12" x 18' wood	(4) 1 hp	240V/30A	2" x 10' 1 1/2" x 8'4"	8 pilings/ 10" diameter

WIRE SPECIFICATIONS FOR HI-TIDE GEAR DRIVE® LIFT								
MOTOR HP	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 OR 1 HP	#8	#10	#6	#10	#4	#10	#2	#8
(4) 3/4 OR 1 HP	—	#10	—	#8	—	#6	—	#4

**PILING SETTING DIMENSIONS FOR THE HI-TIDE GEAR DRIVE® LIFT**



**SPECIFICATION NOTES**

- 1) 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.
- 2) 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.