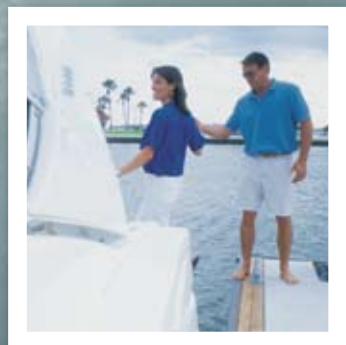
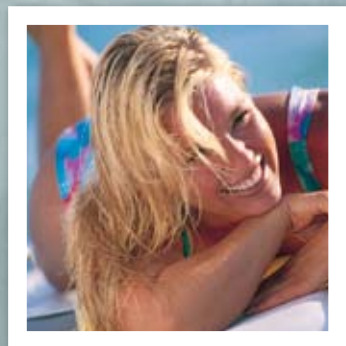


ANCHORING | 08  
& DOCKING | 09

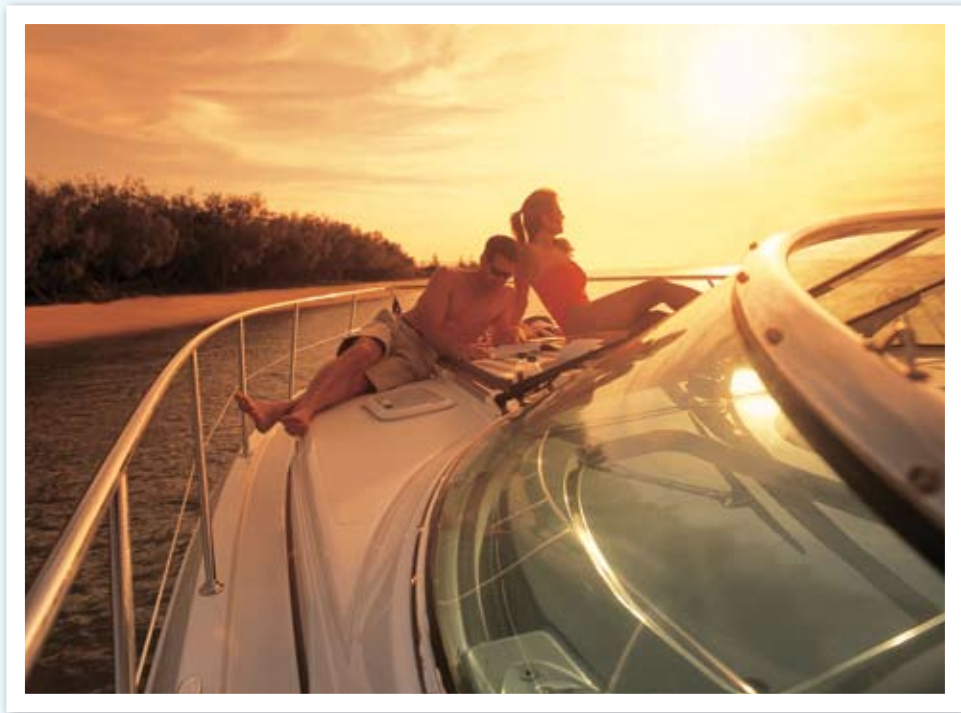


**LEWMAR®**



# Lewmar Anchoring & Docking

At Lewmar, we think about what makes boaters' lives easier, and bring those ideas to life in our products. We aim to relieve the aching muscles that often come with anchoring and give you more confidence when docking. That's why each anchor, windlass and thruster we bring to the market is made of the finest quality materials and engineered for excellence.



## Contents

<b>Windlasses</b>		<b>Bow Rollers</b>	26
Windlass Selection Guide	3	<b>Chain Stoppers</b>	27
V-Series Vertical Windlasses	6	<b>Thrusters</b>	
Pro-Series Horizontal Windlasses	16	TT Thrusters	28
<b>Capstans</b>		Thruster Selection Guide	30
C Series Capstans	20	Ignition Protected Thrusters	31
<b>Windlass/Capstan Accessories Guide</b>	23	Thruster Accessories	33
<b>Anchors</b>	24		

## Easy Anchoring Starts with a Lewmar Windlass.

Whether you own a small fishing boat, a 100-foot cruiser or a mid-size sailboat, Lewmar has a windlass designed to fit your exact needs. Each one is crafted with durability, convenience and affordability in mind. Both our vertical and horizontal designs are sleek and attractive to complement your boat.

### Windlass Selection Guide

Model	Size	Boat Length Overall												
	m ft	6 20	9.2 30	12.2 40	15.2 50	18.3 60	21.3 70	24.4 80	27.4 90	30.5 100	33.5 110	36.6 120	39.7 130	42.7 140
Pro-Sport 550														
Pro-Series 700														
Pro-Series 1000														
Pro-Fish 700														
Pro-Fish 1000														
V700														
V-Sport/V1														
V2														
V3														
V4														
V5														
NEW V6														
NEW V8 2500w														
NEW V8 3500w														
C3														
C4														
C5														

# Choosing the right windlass for your boat.

In order to select the correct windlass for your boat, three questions should be answered:

## 1. What size windlass would best suit my boat?

Use our windlass selection chart found on page 3 to determine the general size of windlass to be fitted to your boat by using length and displacement. For example, if you have a 10m (33 ft) boat, typically a 270kg (600 lb) pull windlass would be selected. The rule to crosscheck your windlass selection is to add the total weight of the chain and the weight of the anchor together. Rope is very light and does not affect the actual lifting performance of the windlass, but can be factored in. For safe cruising in all types of conditions and sea areas, Lewmar recommends that you multiply the total weight of your anchor and chain by 4. This number should be less than the maximum pull of the windlass you have selected. Should your findings be at or more than the maximum pull, select the next largest windlass. The windlass does not stow the anchor rode in the locker. Gravity stows the rode in the locker. There must be a free and clear area under the hawse pipe for the incoming rode to lie; if not, the rode will jam. Your windlass is a retrieval device; the windlass retrieves the anchor and rode. A windlass is not a high-load-bearing device. When at anchor your rode should be secured to a cleat or other mooring point on the bow.

## 2. How long is the anchor rode I wish to use, and will the windlass put the entire rode into my locker?

Begin by examining the depth of the anchor locker to determine the fall that is available. The fall is the vertical distance between the top of the anchor locker and the top of the anchor rode when the entire rode is completely stored inside. This measurement is important in determining whether your boat will be best suited for a vertical or horizontal windlass. Do not stow the rode inside the anchor locker; gravity stows the rode. Anchor windlasses must be operated; you must know how much rode will fit into your locker by gravity. There has to be a free and clear area under the hawse pipe for the incoming rode. Otherwise you will have to comb the rode back, keeping a clear and free space under the hawse pipe while retrieving the anchor.

## 3. How much pulling power should my windlass have?

Having selected a vertical or horizontal windlass and determined the size required using the chart on page 3, you can cross-check by using the following formula:

$$\begin{array}{l} \text{Total weight of ground} \\ \text{tackle (anchor} \\ \text{and rode)} \end{array} \times 4 = \begin{array}{l} \text{Pulling power} \\ \text{required by} \\ \text{the windlass} \end{array}$$

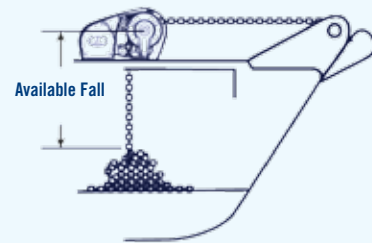
### Safety at anchor:

Never allow the windlass to hold the boat while at anchor. Always tie off to a strong point other than the windlass.

### Safety while underway:

Always tie off the anchor to a safety device to secure the anchor in case of accidental deployment. It is good practice to isolate the circuit breaker/isolator switch while underway.

### Horizontal Windlasses



The key features of Horizontal Windlasses are:

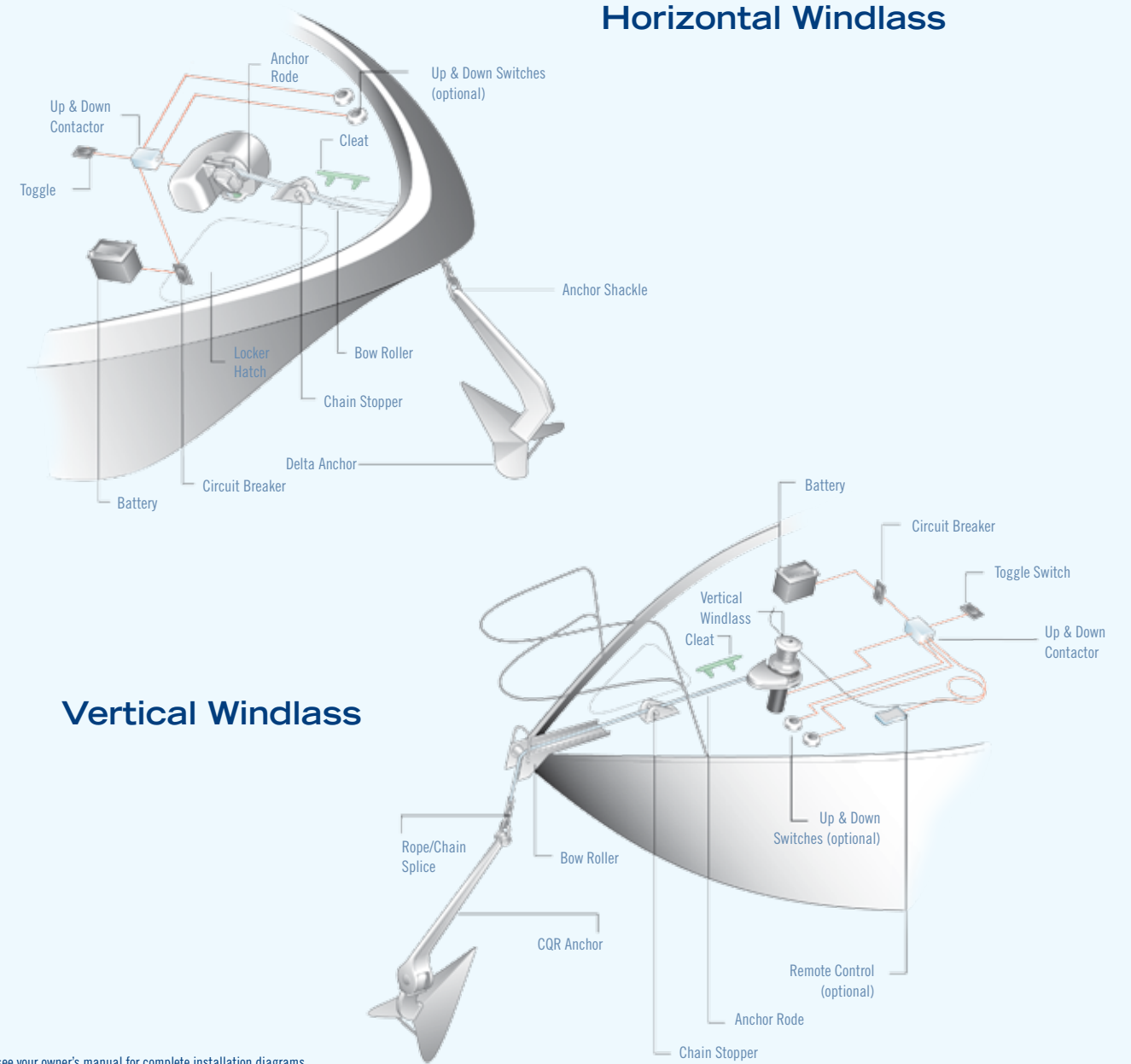
- Most of the windlass unit is on the deck
- Easy installation
- Good for boats with small anchor lockers
- Anchor rode enters the gypsy, makes a 90° turn and feeds into the anchor locker
- Minimum fall of 304mm (12") is recommended in order to have enough gravity to pull the rode down into the locker

### Vertical Windlass



The key features of Vertical Windlasses are:

- More of the unit is hidden below deck
- Suitable for large anchor lockers
- Anchor rode makes a 180° wrap around the gypsy and a 90° turn into the anchor locker
- Minimum fall of 406mm (18") is recommended in order to have enough gravity to pull the rode down into the locker



Please see your owner's manual for complete installation diagrams.

### Windlass & Anchor Operation Safety Tips

#### ALWAYS

- Always tie off anchor rode while at anchor
- Always secure anchor rode/anchor when underway
- Always look before deploying your anchor
- Always motor up to anchor while retrieving
- Always shut off circuit breaker when working on windlass
- Always shut off circuit breaker when windlass is not in use

#### NEVER

- Never use your windlass to pull or tow boat
- Never use your windlass to lift a person
- Never stick fingers in or around gypsy while operating

#### MUST

- Keep all loose clothing and hair away from windlass when operating

## V-Series Vertical Windlass

Over the years, Lewmar has been listening to what its customers want and need in a vertical windlass. And each of those wants and needs is answered in the beautifully styled V-Series, a full range of deck units designed for boats from 20'-110' long. From the ultra-compact V700 to the sleek new V6 and V8 models for larger boats, this range offers the ultimate strength and control at the touch of a button. Nearly all models are made of 100% 316 stainless steel and are FastFit™\* equipped for easy installation. IP67 models are available. Please contact your Lewmar representative for details.



V1 Gypsy Only  
(Model shown has manual override)

V2 Gypsy/Drum

IP67 models are available

## FastFit

FastFit™ ensures fast, hassle-free installation and proper drive shaft alignment with multiple motor positions.

\* Note: Not included on V700/V6/V8

### FastFit™ Assembly



## V700 Vertical Windlass

With 100% 316 stainless steel housing and a sleek flush-mount design that hides the motor down below, the V700 is one of the most attractive and durable windlasses on the market. It works at the push of a button and has two built-in features that make it unique – motor protection and anchor lock. Plus it's affordable.

## Features

- 100% 316 stainless steel deck unit
- IP67 Rated (Waterproof to 1 meter)
- Fall Safe anchor lock
- Fast line speed
- Manual recovery
- Impact-resistant motor cover
- 5-year warranty
- For boats 6m-10m (20-32 ft)
- With reed switch and magnet fitted as standard for chain counter applications



## V700 Specifications

Part Number	Description	Model	Gypsy No.	Motor Power Option	Typical Power Watts	Typical Max Pull		Maximum Line Speed		Working Load		Normal Current Draw	Typical Line Speed/min		Weight Gypsy Only		Circuit Breaker
						kg	lb	m/min.	ft/min.	kg	lb		m	ft	kg	lb	
6670011196-302	V700 12V 6mm kit*	V700	602	12V	320W	320	700	25	82	79	175	45A	15	50	6.5	14	35A
6670011107-302	V700 12V 1/4" G4 kit*	V700	603	12V	320W	320	700	25	82	79	175	45A	15	50	6.5	14	35A

\* Kit includes: Breaker and toggle switch.

V700s come with reed switch and magnet fitted as standard for chain counter applications.

## V700 Gypsy Specifications

Gypsy Number	Size	Chain Description	Rope Description		
			mm	in	
602	6mm	6mm DIN 766	12	1/2	3-strand and 8-plait
603	7mm	1/4" G4 or BBB, 7mm DIN 766	12	1/2	3-strand and 8-plait

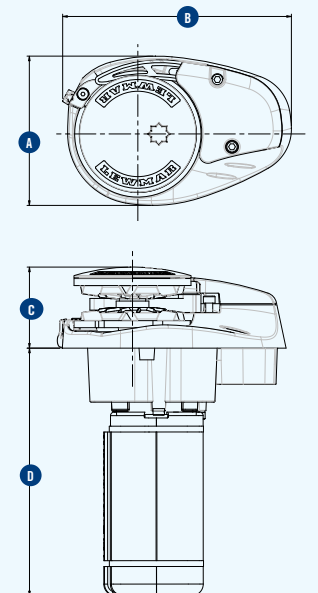
## V700 Dimensions

Model	A		B		C		D	
	mm	in	mm	in	mm	in	mm	in
V700	128	5	196	7	69	3	202	8

## Cable Sizes

Product	Voltage	Length of Cable Run		Switch Wiring	Current rating for switch wire
		0-7m / 0'-23'	7-15m / 23'-50'		
V700	12V	10mm <sup>2</sup> / 8 AWG	10mm <sup>2</sup> / 8 AWG	1.5mm <sup>2</sup> / 16 AWG	5A

The above cable sizes are recommendations only.



# V-Sport and V1/V2/V3 Vertical Windlasses

Since their inception, the more compact models of the V-Series have been recognized as a breakthrough for both power and sailboats. Whether you choose beautifully styled stainless steel housing or our new lightweight composite version, what you find beneath remains the same – a robust, reliable worm gear box. All models allow you to employ rope-chain or all-chain anchor rodes with the touch of a button. And best of all, each one is FastFit™ equipped, which means you can install them quickly and easily to ensure proper drive shaft alignment.

## Features

- Rope-chain gypsy
- Manual chain release (optional)
- Cone clutch for smooth, easy control
- Manual override (optional)
- Robust/reliable worm gearbox
- FastFit™ equipped for quicker installation and less hassle



V1 Gypsy Only  
(Model shown has manual override)

V2 Gypsy/Drum



V-Sport

The NEW V-Sport windlass is a lighter, more affordable alternative to the V1. Housed in lightweight composite material, the V-Sport gives you optimum control and can be installed easily.

## V-Sport/V1/V2/V3 Kit Numbers\*

Part Number		Model	Gypsy No.	Voltage
Gypsy Only	Gypsy Drum			
66810091-138	-	V-Sport	000	12V
66810092-138	-	V-Sport	001	12V
66810093-138	-	V-Sport	002	12V
66810094-138	-	V-Sport	006	12V
6671011107-138 (USA Only)	-	V1	000	12V
6671011108-138 (USA Only)	-	V1	002	12V
6671011196-138	-	V1	006	12V
6671011197-138	-	V1	000	12V
6671011198-138	-	V1	001	12V
6671011696-138	-	V1 MO**	006	12V
6671011697-138	-	V1 MO**	000	12V
6671011698-138	-	V1 MO**	001	12V
6672011196-138	6672021196-138	V2	006	12V
6672011197-138	6672021197-138	V2	000	12V
6672011198-138	6672021198-138	V2	001	12V
6672011108-138	6672021108-138	V2	002	12V
6672011110-138	6672021110-138	V2	003	12V
6672012196-140	6672022196-140	V2	006	24V
6672012197-140	6672022197-140	V2	000	24V
6672012198-140	6672022198-140	V2	001	24V
6672012108-140	6672022108-140	V2	002	24V
6672012110-140	6672022110-140	V2	003	24V
6672211196-139	6672221196-139	V3	006	12V
6672211197-139	6672221197-139	V3	000	12V
6672211198-139	6672221198-139	V3	001	12V
6672211108-139	6672221108-139	V3	002	12V
6672211110-139	6672221110-139	V3	003	12V
6672212196-142	6672222196-142	V3	006	24V
6672212197-142	6672222197-142	V3	000	24V
6672212198-142	6672222198-142	V3	001	24V
6672212108-142	6672222108-142	V3	002	24V
6672212110-142	6672222110-142	V3	003	24V

## Emergency Manual Recovery Kits

66840054	V1	-
66840054	66840056	V2/V3

\*Kit includes windlass, rocker switch, circuit breaker and contactor.

\*\*Manual Override

Not available for V-Sport.

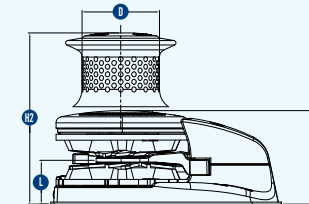
## V1/V2/V3 Gypsy Specifications

Part Number	Gypsy No	Chain Description	Rope Description		
			mm	in	
68000840	006	6mm ISO, 1/4" G40*, 1/4" BBB	12-14	1/2	3-strand and 8-plait
68000360	000	7mm ISO, 1/4" G40*, 1/4" BBB	12-14	1/2	3-strand and 8-plait
68000361	001	8mm DIN 766, 8mm ISO	12-16	1/2-5/8	3-strand and 8-plait (5/8 only)
68000362	002	10mm DIN 766, 5/16" G40, 9.5mm ISO Campbell 3/8" S4	12-16	1/2-5/8	3-strand and 8-plait (5/8 only)
68000363	003	10mm ISO, Campbell 3/8" S3, 3/8" G80, 3/8" G40 ISO	16	5/8	3-strand and 8-plait

\*G40 = Grade 40 Short Link Chain

For cable specifications refer to p. 22

## ABOVE DECK DIMENSIONS

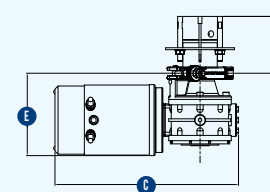


V1/V2/V3

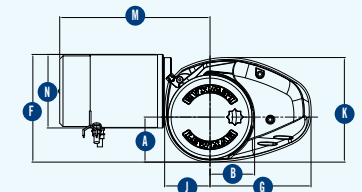
## BELOW DECK DIMENSIONS

Side Elevation

Plan Elevation



V1/V2/V3



V1/V2/V3

## V-Sport/V1/V2/V3 Specifications

Model	Max. Chain		Voltage	Motor Watts	Typical Max. Pull		Working Load		Max. Line Speed		Normal Current Draw	Circuit Breaker	Weight	
	mm	inch			kg	lbs	kg	lbs	m/min.	ft/min.			kg	lbs
V-Sport	10mm	5/16"	12v	700W	454	1000	113	250	19	65	80A	90A	16	35
V1	10mm	5/16"	12v	700W	454	1000	113	250	19	65	80A	90A	19	42
V2 12v	10mm	3/8"	12v	700W	650	1433	163	358	21	69	80A	90A	19	42
V2 24v	10mm	3/8"	24v	900W	760	1675	180	396	24	79	45A	50A	19	42
V3 12v	10mm	3/8"	12v	1000W	890	1962	215	473	28	92	85A	110A	21.5	47
V3 24v	10mm	3/8"	24v	1000W	1020	2248	243	535	30	98	60A	90A	21.5	47

## V-Sport/V1/V2/V3 Dimensions

Model	Above Deck				Below Deck																							
	D	H1	H2	L	A	B	C	E	F	G	J	K	M	N														
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in														
V-Sport	-	-	92	3 3/8	-	-	42	1 1/2	62.5	2 3/8	70	2 3/4	295	12 3/16	173	6 13/16	161	6 3/16	157	6 3/16	70	2 3/4	161	6 3/16	237	9 1/8	114	4 1/4
V1	-	-	92	3 3/8	-	-	42	1 1/2	62.5	2 3/8	70	2 3/4	295	12 3/16	173	6 13/16	161	6 3/16	157	6 3/16	70	2 3/4	161	6 3/16	237	9 1/8	114	4 1/4
V2	75	3	92	3 3/8	168	6 5/8	42	1 3/8	62.5	2 3/8	70	2 3/4	295	12 3/16	173	6 13/16	161	6 3/16	157	6 3/16	70	2 3/4	161	6 3/16	237	9 1/8	114	4 1/4
V3	75	3	92	3 3/8	168	6 5/8	42	1 3/8	62.5	2 3/8	70	2 3/4	315	12 3/8	173	6 13/16	161	6 3/16	157	6 3/16	70	2 3/4	161	6 3/16	237	9 1/8	114	4 1/4

\*Maximum deck thickness for V1/V2/V3 is 60mm / 2 1/4". Longer shaft versions available on request.



# V4/V5 Vertical Windlass

## Features

- Rope-chain gypsy
- Manual override and chain release (optional)
- Cone clutch for smooth, easy control
- Robust and reliable drive train
- Reed switch and magnet fitted as standard



## V4/V5 Specifications

Model	Max. Chain		Voltage	Motor Watts	Typical Max. Pull		Working Load		Max. Line Speed		Normal Current Draw	Circuit Breaker	Weight	
	mm	inch			kg	lbs	kg	lbs	m/min.	ft/min.			kg	lbs
V4 12v	12mm	7/16"	12v	1600W	1250	2750	313	688	25	82	125A	150A	29	64
V4 24v	12mm	7/16"	24v	2000W	1500	3300	375	825	27	90	70A	110A	29	64
V5 12v	12mm	7/16"	12v	2000W	1450	3190	363	798	27	90	120A	150A	31	68
V5 24v	12mm	7/16"	24v	2000W	1600	3520	400	880	29	97	75A	110A	31	68



## V4/V5 Gypsy Specifications

Part Number	Gypsy No	Chain description	Rope Description	
			mm	in
68000356	201	8mm DIN 766, 8mm ISO, 5/16" G40, 5/16" Campbell S4	12-14	1/2
68000357	202	9.5mm ISO, 10mm DIN 766, 5/16" Campbell S3, 3/8" Campbell S4	16	5/8
68000358	203	10mm ISO, 3/8" G40 ISO, 3/8" Acco G80, 3/8" Campbell S3	16	5/8
68000359	204	12mm ISO, 13mm DIN 766, 7/16" G40	18-20	3/4

## V4/V5 Hydraulic Motor/Gearbox

Part Number	Model	Normal Pressure	Flow Rate	Typical Max. Pull		Max. Line Speed	
				kg	lb	m	ft
68000294	V4/V5	175 bar	10-40 l/min	1100 at	2400 at	21 at	69 at
		2537 psi (cont)	2.6-10.6 US gal/min	140 bar	203 psi	40 l/min	10.6 US gal/min

Hydraulic motor/gearboxes are suitable for use with both V4/V5 and C4/C5.

## V4/V5 Kit Numbers\*

Part Number	Gypsy Only	Gypsy Drum	Model	Item Description
66910078-143	66910086-143	V4	12V 201 KIT	
66910079-143	66910087-143	V4	12V 202 KIT	
66910080-143	66910088-143	V4	12V 203 KIT	
66910081-143	66910089-143	V4	12V 204 KIT	
66910082-144	66910090-144	V4	24V 201 KIT	
66910083-144	66910091-144	V4	24V 202 KIT	
66910084-144	66910092-144	V4	24V 203 KIT	
66910085-144	66910093-144	V4	24V 204 KIT	
66910098-146	66910106-146	V5	24V 201 KIT	
66910099-146	66910107-146	V5	24V 202 KIT	
66910100-146	66910108-146	V5	24V 203 KIT	
66910101-146	66910109-146	V5	24V 204 KIT	
66840003	Gypsy only Emergency manual override KIT			
66840005	Gypsy drum Emergency manual override KIT			

\* Kit includes: rocker switch, circuit breaker, contactor and handle.



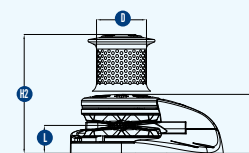
## Rope Control Arm Kit

Part Number	Description
66810031	V4/V5 Arm Kit

For circuit breaker, contactor, switch and accessories, refer to p. 23

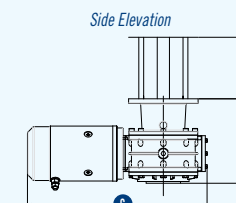
For cable specifications refer to p. 22

## ABOVE DECK DIMENSIONS

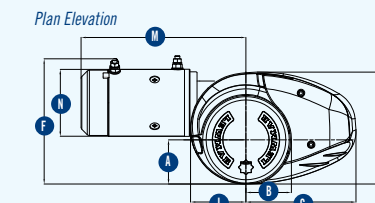


V4/V5

## BELOW DECK DIMENSIONS



V4/V5



V4/V5

## V Series Dimensions

Model	D		H1		H2		L		A		B		C		E		F		G		J		K		M		N		* Maximum Deck Thickness	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		
V4	91	2 7/16	107	4 1/4	215	8 1/2	51	2	74	2 7/8	89	3 1/2	366	14 1/8	156	6 1/8	215	8 1/2	185	7 1/4	93	3 11/16	188	7 1/2	277	10 7/8	112	4 1/2	125	4 15/16
V5	91	2 7/16	107	4 1/4	215	8 1/2	51	2	74	2 7/8	89	3 1/2	390	14 5/8	174	6 7/8	222	8 3/4	185	7 1/4	93	3 11/16	188	7 1/2	289	11 3/8	125	4 15/16	125	4 15/16



# V6 Vertical Windlass

Now big boats can enjoy all the benefits of vertical windlasses. The latest addition to the V-Series, the V6 and V8 windlasses are the new standard for superyachts. Just like their smaller counterparts, both models offer the ultimate strength and control at the touch of a button and are made of 100% 316 stainless steel.

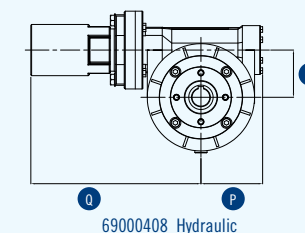
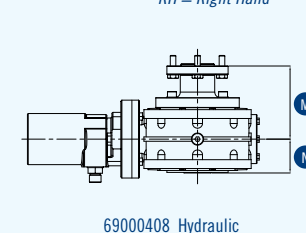
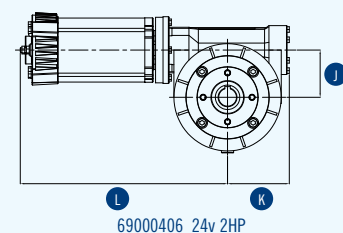
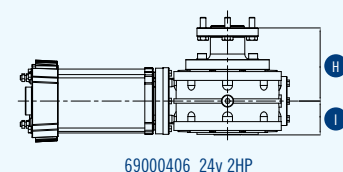
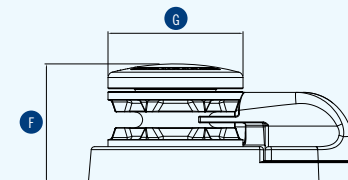
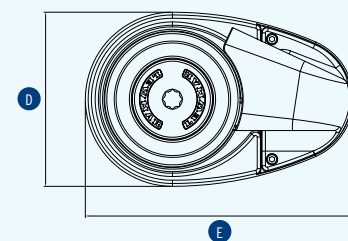
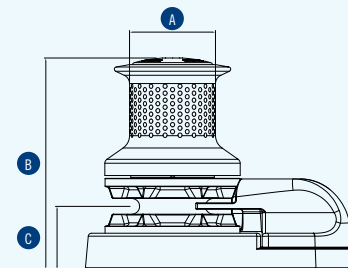
## V6 Features

- All stainless steel deck unit
- Powered and manual chain release
- W.A.R.P. Drum (Wear and Abrasion Resistant Pattern)
- Cone Clutch for smooth, easy control
- Left- and right-hand versions
- Available in 24v and Hydraulic power options



## V6 Specifications

Model	Max. Chain		Voltage	Motor Watts	Typical Max. Pull		Working Load		Max. Line Speed		Normal Current Draw	Circuit Breaker	Weight	
	mm	inch			kg	lbs	kg	lbs	m/min.	ft/ min.			kg	lbs
V6 24v	14mm	9/16"	24v	1500W	1800	3960	450	990	16	52	60A	150A		
V6 Hyd	14mm	9/16"	-----		1800	3960	450	990			---	---		



		D	P	W
68000903 10MM Gypsy Kit	10mm DIN 766	10mm (0.394")	28mm (1.102")	36mm (1.417")
	3/8" ISO G4	10mm (0.394")	31mm (1.220")	35mm (1.378")
	Lewmar 10mm G30/G40	10mm (0.394")	27.7mm (1.090")	31.6mm (1.244")
68000904 12MM Gypsy Kit	11mm SHORT LINK	11mm (0.433")	33mm (1.299")	39mm (1.535")
	Lewmar 12mm G30/G40	12mm (0.472")	36mm (1.417")	40.5mm (1.594")
	7/16" ISO G4	11.8mm (0.464")	35.5mm (1.400")	40.1mm (1.578")
68000906 1/2" Gypsy Kit	13mm DIN 766	13mm (0.512")	36mm (1.417")	47mm (1.850")
	1/2" ISO ACCO G4	13.2mm (0.519")	40.4mm (1.590")	45.7mm (1.798")
	Lewmar 12mm G30/G40	12mm (0.472")	36mm (1.417")	40.5mm (1.594")
68000905 14MM Gypsy Kit	Lewmar 14mm G30/G40	14mm (0.551")	42mm (1.654")	49mm (1.929")
	14mm DIN 766	14mm (0.551")	41mm (1.614")	50mm (1.969")

## PART NO DESCRIPTION

### V6 Deck Units

69000400	V6 Deck Unit LH GD
69000401	V6 Deck Unit RH GD
69000402	V6 Deck Unit LH GO
69000403	V6 Deck Unit RH GO

### V6 Drives

69000406	V6 24v Motor / Gearbox Assy
69000408	V6 Hyd Motor / Gearbox

### V6 Gypsies

68000903	V6 Gypsy Assembly - 10mm
68000904	V6 Gypsy Assembly - 12mm
68000905	V6 Gypsy Assembly - 14mm
68000906	V6 Gypsy Assembly - 1/2" ACCO

LH = Left Hand  
RH = Right Hand

## V6 Dimensions

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
V6	105 4/8	257 10/8	77 3	212 8/8	326 12/8	145 5/8	164 6/2	132 5/16	61 2/8	85 3/2	111 4/8	373 14/8	132 5/16	61 2/8	85 3/8	111 4/8	306 12	





# V8 Vertical Windlass

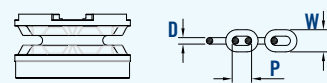
## Features

- All stainless steel deck unit
- Dog Clutch
- Close-coupled band brake option
- Two remote hand wheel options
- Full range of power options including AC, DC and hydraulic
- Independent capstan operation
- Powered or manual chain release
- W.A.R.P. Drum (Wear and Abrasion Resistant Pattern)
- A wide range of metric and imperial chain gypsies are available
- Left-and right-hand versions

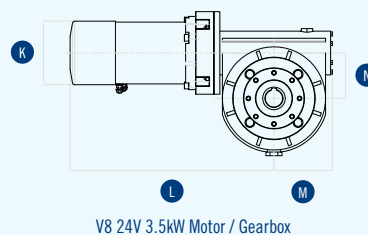
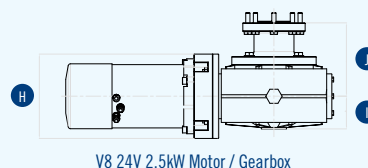
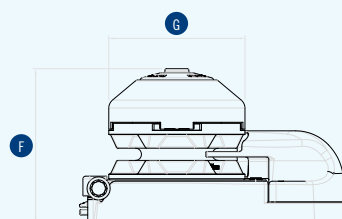
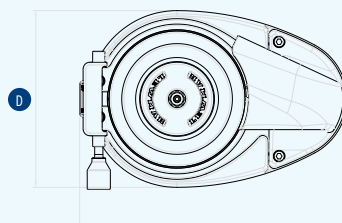
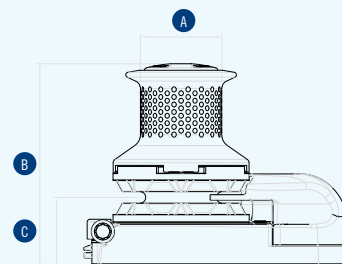


## V8 Specifications

Model	Max. Chain		Voltage	Motor Watts	Typical Max. Pull		Working load		Max. Line Speed		Normal Current Draw	Circuit Breaker	Weight	
	mm	inch			kg	lbs	kg	lbs	m/min.	ft/min.			kg	lbs
V8 2500W	16mm	5/8"	24v	2500W	2364	5200	591	1300	24	79	150A	200A	101	222
V8 3500W	16mm	5/8"	24v	3500W	2980	6556	745	1639	23	75	200A	250A	103	227
V8 AC	16mm	5/8"	208v/400v		2980	6556	745	1639	19	65	15A/9A	16A/10A		
V8 Hyd	16mm	5/8"	----		2980	6556	745	1639	18	59	----	----	84	185
V8 HiP Hyd	16mm	5/8"	----		2980	6556	745	1639	27	88	----	----	95	209



		D	P	W
66000662 12mm Gypsy Kit	12mm short link	12mm (0.472")	36mm (1.417")	40.5mm (1.594")
	7/16" ISO G4	11.8mm (0.464")	35.5mm (1.400")	40.1mm (1.578")
	13mm DIN 766	13mm (0.512")	36mm (1.417")	47mm (1.850")
66000663 14mm Gypsy Kit	14mm short link	14mm (0.551")	42mm (1.654")	49mm (1.929")
	14mm DIN 766	14mm (0.551")	41mm (1.614")	50mm (1.969")
66000664 16mm Gypsy Kit	16mm short link	16mm (0.630")	48mm (1.890")	56mm (2.205")
	16mm DIN 766	16mm (0.630")	45mm (1.772")	58mm (2.283")
66000665 1/2" ACCO Gypsy Kit	1/2" ISO ACCO G4	13.2mm (0.519")	40.4mm (1.590")	45.7mm (1.798")



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N														
V8	120	4 3/4	296	11 1/8	100	4	260	10 1/4	393	15 1/2	225	8 7/8	200	7 7/8	200	7 7/8	78	3	174	6 7/8	154	6	494	19 1/2	142	5 7/8	110	4 7/8

PART NO	DESCRIPTION	DESCRIPTION ABBREVIATIONS & EXPLANATIONS
<b>V8 Deck units</b>		
69000377	V8 Deck Unit LH GD Close Brake	LH= Left Hand and mainly for single installs
69000378	V8 Deck Unit RH GD Close Brake	
69000379	V8 Deck Unit LH GD HI-P CB	HI-P = High-power deck unit for HP hydraulic motor gearbox
69000380	V8 Deck Unit RH GD HI-P CB	CB = Close coupled band brake which is included and operated with a winch handle
69000381	V8 Deck Unit LH GO Close Brake	
69000382	V8 Deck Unit RH GO Close Brake	
69000387	V8 Deck Unit LH GO HI-P CB	
69000388	V8 Deck Unit RH GO HI-P CB	
69000390	V8 Deck Unit LH GD R.Brake	
69000391	V8 Deck Unit RH GD R.Brake	
69000392	V8 Deck Unit LH GD HI-P RB	RB = Remote band brake version that is ready to accept the brake cable
69000393	V8 Deck Unit RH GD HI-P RB	
69000394	V8 Deck Unit LH GO R.Brake	
69000395	V8 Deck Unit RH GO R.Brake	
69000396	V8 Deck Unit LH GO HI-P RB	
69000397	V8 Deck Unit RH GO HI-P RB	

Drives		
69000383	V8 24v 2.5kW Motor/Gearbox	
69000383M	V8 24v 2.5kW M/Gearbox Type M	Type M = Mirror image to allow motor to be on opposite side of gearbox
69000384	V8 24v 3.5kW Motor/Gearbox	
69000384M	V8 24v 3.5kW M/Gearbox Type M	
69000385	V8 Hyd Motor/Gearbox	
69000386	V8 Hyd HP Motor/Gearbox	HP = High-performance inline hydraulic drive
69000389	V8 4kw 400v 3 ph AC M/Gearbox	
69000389M	V8 4kw 400v AC M/G/box Type M	
69000398	V8 4kW 208v 3 Ph AC M/Gearbox	
69000398M	V8 4kW 208v 3 Ph AC M/G/box Type M	

Gypsies	
68000900	V8 Gypsy Assembly - 11mm
68000877	V8 Gypsy Assembly - 12mm
68000878	V8 Gypsy Assembly - 14mm
68000879	V8 Gypsy Assembly - 16mm
68000880	V8 Gypsy Assembly - 1/2" ACCO

Band brake controls		
68000876	V8 Above Deck Remote Brake	Brake cable stays above deck and connects to angled handwheel
68000897	V8 Thru Deck Remote Brake Assy	Brake cable is hidden below deck and connects to horizontal handwheel

Brake cables		
65001365	V8 Brake cable 500mm	
65001367	V8 Brake cable 700mm	Connects Windlass to Remote Brake. Other lengths available upon request.

Control		
68000130	24V Dual SF Control Box	Solenoid in a box for 2.5kW
68000319	24V SF Windlass Control	Solenoid only for 2.5kW
68000321	24V SW Windlass Control	Solenoid only for 3.5kW
18000237	24V Dual Contactor Control Box	Solenoid in a box for 3.5kW
68000894	200A Circuit Breaker for 2.5kW V8	
68000895	250A Circuit Breaker for 3.5kW V8	

## V8 Dimensions

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N														
V8	120	4 3/4	296	11 1/8	100	4	260	10 1/4	393	15 1/2	225	8 7/8	200	7 7/8	200	7 7/8	78	3	174	6 7/8	154	6	494	19 1/2	142	5 7/8	110	4 7/8



## Pro-Series Horizontal Windlasses

Whether you own a center console fishing boat or a 38-ft cruiser, the Pro-Series range allows you to drop and pull up anchor with the push of a button. Praised by professionals worldwide, the Pro-Series comes in all sizes – for boats 6m-11.5m (20-38 feet). The Pro-Sport, a more economical model in the Pro-Series range, is housed in durable composite material to help you save weight and money. And the Pro-Fish with automatic freefall helps amateurs and professionals alike hone in on their favorite fishing spots.

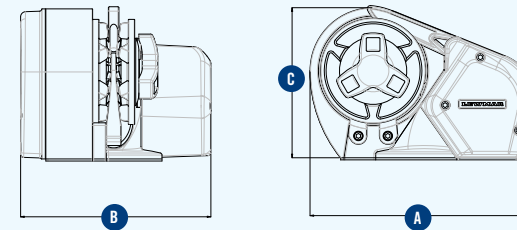


## NEW Pro-Sport Horizontal Windlass

Lewmar's new Pro-Sport rope/chain windlass is designed as an economical package for rope and chain applications, without compromise to quality or performance. Pro-Sport is designed around a highly efficient spur gearbox, using smaller, more powerful permanent magnet motors. The unit has manual freefall and two gypsy sizes to choose from. It's DIY-ready and easy to install. Its rugged aluminum center case and durable composite side covers make Pro-Sport the perfect choice. Complete with push-button control, anchoring has never been easier. A demonstration of Lewmar's commitment to provide stylish, affordable, quality products for boats from 6m-9m (20-30ft).

### Features

- Powerful motor providing superior line speed
- Low power consumption / current draw
- Dual direction powered operation
- Choice of two gypsy sizes, 6mm & 7mm (1/4") chain
- Maximum pulling power: 250kg (550 lbs)
- Convenient above-deck installation
- 3-year warranty



### Pro-Sport Dimensions

Model	A		B		C	
	mm	in	mm	in	mm	in
Pro-Sport 550	214	8 7/16	181	7 1/8	143	5 5/8

\* If fitting under deck, please allow for at least 10mm / 1/2" control arm travel when unit is running.

### Pro-Sport 550 Specifications

Part Number	Description	Gypsy No.	Motor Power Option	Typical Power Watts	Typical Max. Pull kg lb	Maximum Line Speed m/min. ft/min.	Working Load kg lb	Normal Current Draw	Weight kg lb	Circuit Breaker
6656811196-303	Pro-Sport 550 G 12V 6mm Kit*	502	12 V	150 W	250 550	30 98	62.5 137.5	20A	6.5 14	25A
6656811197-303	Pro-Sport 550 G 12V 7mm / 1/4" Kit*	503	12 V	150 W	250 550	30 98	62.5 137.5	20A	6.5 14	25A

\* Kits include: windlass, base gasket seal, fast mounting studs, installation wrench, toggle switch and circuit breaker.

Note: Part Number 6656811196-303 is not available in the USA.

### Pro-Sport Gypsy Specifications

Gypsy Number	Chain Description	Rope Description		
		mm	in	
502	6mm DIN766	12mm	1/2	3-strand and 8-plait
503	1/4" G4, 1/4" BBB, 7mm DIN 766	12mm	1/2	3-strand and 8-plait

For cable specifications refer to p. 22

# Pro-Series + Pro-Fish Horizontal Windlasses

Praised by professionals worldwide, the horizontal Pro-Series is a shining example of Lewmar's commitment to provide quality products for boats from 6m-11.5m (20-38ft). It's DIY-ready, easy to install and housed in 100% 316 stainless steel, making it well protected and durable. And with push-button control and a built-in manual emergency recovery system, anchoring has never been easier.

Also available is our Pro-Fish model, the ultimate windlass for fishermen. The Pro-Fish has an automatic freefall that allows you to pull right up over a wreck or ledge, and drop anchor with speed and precision. No more running your motor or wasting fuel while you "hover fish." And you can retrieve your anchor just as easily, with the push of a button. Plus, the Pro-Fish is DIY-ready and made of durable 100% 316 stainless steel.



## Features

- Automatic freefall (Pro-Fish only)
- Powerful motor providing fast line speed
- Manual emergency recovery equipped – all you need is a common 1/2" socket wrench
- Strong 100% 316 stainless steel, including control arm and stripper
- Maximum pulling power: 320kg (700 lbs) for the 700 and 454kg (1,000 lbs) for the 1000
- Convenient above-deck installation
- 5-year warranty
- Automatic freefall kit available to add onto Pro-Series (Pro-Series built after Oct. 2006 with serial #561 and #571 will accept Pro-Fish freefall kit)



## Optional Pro-Fish (Freefall Kit) Now Available

Part Number: 66000616

Pro-Series built after October 2006 with serial number 561\*\*\*\*\* or 571\*\*\*\*\* will accept upgrade kit.

## Pro-Series Windlass Specifications

Model	Max. Chain		Voltage	Motor Watts	Typical Max. Pull		Working Load		Max. Line Speed		Normal Current Draw	Circuit Breaker	Weight	
	mm	inch			kg	lbs	kg	lbs	m/min.	ft/min.			kg	lbs
Pro-Series 700	7mm	1/4"	12v	500W	320	700	79	175	32	105	35A	50A	8.5	19
Pro-Series 1000	8mm	5/16"	12v	700W	454	1000	114	250	32	105	50A	70A	9.5	21
Pro-Fish 700	7mm	1/4"	12v	500W	320	700	79	175	32	105	35A	50A	8.5	19
Pro-Fish 1000	8mm	5/16"	12v	700W	454	1000	114	250	32	105	50A	70A	9.5	21

\* Kits include: windlass, base gasket seal, fast mounting studs, installation wrench, toggle switch and circuit breaker. Pro-Series 1000 is supplied with dual-direction solenoid and also has rocker switch instead of toggle.

## Pro-Series/Pro-Fish Windlass Kit

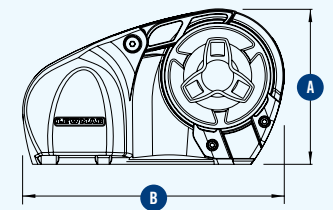
Part Number	Description	Gypsy No.	Part Number	Description	Gypsy No.
6656011196-301	Pro-Series 700 Kit	502	6656211196-301	Pro-Fish 700 Kit	502
6656011107-301	Pro-Series 700 Kit	503	6656211107-301	Pro-Fish 700 Kit	503
6657011196-102	Pro-Series 1000 Kit	502	6656411198-102	Pro-Fish 1000 Kit	504
6657011108-102	Pro-Series 1000 Kit	516	6656411108-102	Pro-Fish 1000 Kit	516
6657011198-102	Pro-Series 1000 Kit	504			

Kits include: windlass, base gasket seal, fast mounting studs, installation wrench, toggle switch and circuit breaker. Pro-Series 1000 is supplied with dual-direction solenoid and also has rocker switch instead of toggle.

## Pro-Series/Pro-Fish Gypsy Specifications

Gypsy Number	Chain Description	Rope Description		
		mm	in	
502*	6mm DIN 766	12mm	1/2	3-strand and 8-plait
503	1/4" G4, 1/4" BBB, 7mm DIN 766	12mm	1/2	3-strand and 8-plait
516	5/16" G4	14-16mm	9/16-5/8	3-strand and 8-plait (5/8 only)
504*	8mm DIN 766, 5/16" BBB	14-16mm	9/16-5/8	3-strand and 8-plait (5/8 only)

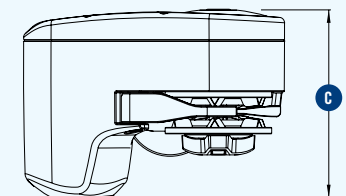
\*Not available in the USA.



## Pro-Series/Pro-Fish Dimensions

Model	A		B		C	
	mm	in	mm	in	mm	in
700	146	5 3/4	245	9 5/8	178	7
1000	146	5 3/4	245	9 5/8	178	7

\* If fitting under deck, please allow for at least 20mm / 3/4" control arm travel when unit is running.



## Cable Selection

Product	Voltage	Length of Cable Run		Switch Wiring	Current rating for switch wire
		0-7m / 0'- 23'	7-15m / 23'- 50'		
Pro-Series/Pro-Fish 700	12V	10mm <sup>2</sup> / 10 AWG	16mm <sup>2</sup> / 6 AWG	1.5mm <sup>2</sup> / 16 AWG	5A
Pro-Series/Pro-Fish 1000	12V	10mm <sup>2</sup> / 8 AWG	16mm <sup>2</sup> / 4 AWG	1.5mm <sup>2</sup> / 16 AWG	5A

The above cable sizes are recommendations only.



## C Series Capstans

Lewmar's C Series Capstans provide almost effortless rope control at the press of a footswitch. The WARP™ (Wear and Abrasion Resistant Pattern) finished drum optimizes performance and reduces rope wear by up to 30%. Stainless steel components combine strength, anti-corrosion and durability with a beautiful, polished finish. Installation of the C3 is quick and simple, as it is fastened entirely from above deck. This innovation cuts installation time by 35%.



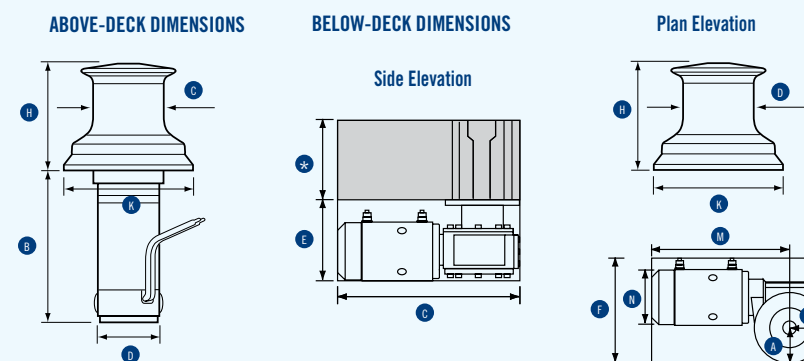
## C Series Capstan Specifications

Model	Drum Dia.		Voltage	Motor Watts	Typical Max. Pull		Working Load		Max. Line Speed		Normal Current Draw	Circuit Breaker	Weight	
	mm	inch			kg	lbs	kg	lbs	m/min.	ft/min.			kg	lbs
<b>C3</b>	90mm	3 3/16"	12v	1000W	750	1650	188	550	12	39	65A	70A	12	26
<b>C3</b>	90mm	3 3/16"	24v	1000W	850	1870	213	550	12	39	40A	50A	12	26
<b>C4</b>	108mm	4 1/4"	12v	1600W	1250	2750	313	882	25	82	125A	150A	25	55
<b>C4</b>	108mm	4 1/4"	24v	2000W	1500	3300	375	882	27	89	70A	110A	25	55
<b>C5</b>	108mm	4 1/4"	12v	2000W	1450	4100	363	1025	27	89	120A	150A	27.5	60
<b>C5</b>	108mm	4 1/4"	24v	2000W	1600	4100	400	1025	29	97	60A	110A	27.5	60

## C4/C5 Hydraulic Motor Gearboxes

Part Number	Model	Normal Pressure	Flow Rate	Typical Max Pull		Max Line Speed	
				kg	lb	m	ft
<b>68000294</b>	C4/C5	175 bar 2537 psi (cont)	10-40 l/min 2.6-10.6 US gal/min	1100 at 14 bar	2400 at 203 psi	21 at 40 l/min	69 at 10.6 US gal/min

Hydraulic motor/gearboxes are suitable for use with V4/V5 and C4/C5.



### C3 Dimensions

Model	Above Deck			Below Deck	
	C	H	K	B	D
<b>C3</b>	90	3 3/16	137 5/8	165 6 1/2	194 7 7/8

### C4/C5 Dimensions

Model	Above Deck						Below Deck													
	D	H	K	A	B	C	E	F	M	N	X									
<b>C4</b>	108	4 1/4	196 7/4	215 8 1/2	74	2 5/16	89	3 1/2	366	14 1/16	186	7 7/16	215	8 1/2	277	10 7/8	112	4 3/8	125	4 15/16
<b>C5</b>	108	4 1/4	196	7 3/4	215	8 1/2	74	2 15/16	89	3 1/2	378	14 7/8	172	6 3/4	222	8 3/4	289	11 3/8	125	4 15/16

## Features

- Beautifully crafted stainless steel components ensure enduring strength and performance
- WARP™ finish drum - unique Wear and Abrasion Resistant Pattern reduces rope wear by 30%
- C3 offers quick, easy on-deck installation requiring only one person
- C4/C5's have worm gearbox-inherent anti-runback characteristics acting as a mechanical brake



## Kit Part Numbers C Series Capstans

Part No.	Description
<b>69600556</b>	C3 12V Capstan Kit*
<b>69600557</b>	C3 24V Capstan Kit*
<b>66910200</b>	C4 12V Capstan Kit**
<b>66910201</b>	C4 24V Capstan Kit**
<b>66910202</b>	C5 12V Capstan Kit**
<b>66910203</b>	C5 24V Capstan Kit**

\* Includes circuit breaker and footswitch.  
\*\* Includes contactor, circuit breaker and footswitch.

For cable specifications refer to p. 22





## Cable Specifications

Model	Voltage	Motor Power	Circuit Breaker	0-7m	0- 23'	7-15m	23- 50'	15-22m	50- 73'	Switch Wiring	Current rating for switch wire
<b>C3</b>	12V	1000W	70A	10mm <sup>2</sup>	8 AWG	16mm <sup>2</sup>	4 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>C3</b>	24V	1000W	50A	6mm <sup>2</sup>	10 AWG	6mm <sup>2</sup>	8 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>C4</b>	12V	1600W	150A	25mm <sup>2</sup>	3 AWG	35mm <sup>2</sup>	0 AWG	50mm <sup>2</sup>	0 AWG	1.5mm <sup>2</sup> 16 AWG	5A
<b>C4</b>	24V	2000W	110A	10mm <sup>2</sup>	8 AWG	16mm <sup>2</sup>	4 AWG	25mm <sup>2</sup>	2 AWG	1.5mm <sup>2</sup> 16 AWG	5A
<b>C5</b>	12V	2000W	150A	25mm <sup>2</sup>	3 AWG	35mm <sup>2</sup>	0 AWG	50mm <sup>2</sup>	0 AWG	1.5mm <sup>2</sup> 16 AWG	5A
<b>C5</b>	24V	2000W	110A	10mm <sup>2</sup>	8 AWG	16mm <sup>2</sup>	4 AWG	25mm <sup>2</sup>	2 AWG	1.5mm <sup>2</sup> 16 AWG	5A
<b>V700</b>	12V	250W	35A	10mm <sup>2</sup>	8 AWG	10mm <sup>2</sup>	6 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>V1/V-Sport</b>	12V	700W	90A	10mm <sup>2</sup>	6 AWG	25mm <sup>2</sup>	4 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>V2</b>	12V	700W	90A	10mm <sup>2</sup>	6 AWG	25mm <sup>2</sup>	4 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>V2</b>	24V	900W	50A	6mm <sup>2</sup>	10 AWG	6mm <sup>2</sup>	8 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>V3</b>	12V	1000W	110A	16mm <sup>2</sup>	6 AWG	25mm <sup>2</sup>	2 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>V3</b>	24V	1000W	90A	10mm <sup>2</sup>	8 AWG	16mm <sup>2</sup>	6 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>V4</b>	12V	1600W	150A	25mm <sup>2</sup>	2 AWG	35mm <sup>2</sup>	0 AWG	50mm <sup>2</sup>	0 AWG	1.5mm <sup>2</sup> 16 AWG	5A
<b>V4</b>	24V	2000W	110A	10mm <sup>2</sup>	8 AWG	16mm <sup>2</sup>	4 AWG	25mm <sup>2</sup>	2 AWG	1.5mm <sup>2</sup> 16 AWG	5A
<b>V5</b>	12V	2000W	150A	25mm <sup>2</sup>	3 AWG	35mm <sup>2</sup>	0 AWG	50mm <sup>2</sup>	0 AWG	1.5mm <sup>2</sup> 16 AWG	5A
<b>V5</b>	24V	2000W	110A	10mm <sup>2</sup>	8 AWG	16mm <sup>2</sup>	4 AWG	25mm <sup>2</sup>	2 AWG	1.5mm <sup>2</sup> 16 AWG	5A
<b>V6</b>	24V	2000W	150A	25mm <sup>2</sup>	2 AWG	35mm <sup>2</sup>	0 AWG	50 mm <sup>2</sup>	0 AWG	1.5mm <sup>2</sup> 16 AWG	5A
<b>V8</b>	24V	2500W	200A	35mm <sup>2</sup>	0 AWG	35mm <sup>2</sup>	0 AWG	50mm <sup>2</sup>	00 AWG	1.5mm <sup>2</sup> 16 AWG	5A
<b>V8</b>	24V	3500W	250A	35mm <sup>2</sup>	0 AWG	35mm <sup>2</sup>	0 AWG	50mm <sup>2</sup>	00 AWG	1.5mm <sup>2</sup> 16 AWG	5A
<b>PRO-SPORT</b>	12V	150W	25A	6mm <sup>2</sup>	10 AWG	6mm <sup>2</sup>	8 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>PRO-SERIES 700</b>	12V	500W	50A	10mm <sup>2</sup>	10 AWG	16mm <sup>2</sup>	6 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>PRO-SERIES 1000</b>	12V	700W	70A	10mm <sup>2</sup>	8 AWG	16mm <sup>2</sup>	4 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>PRO-FISH 700</b>	12V	500W	50A	10mm <sup>2</sup>	10 AWG	16mm <sup>2</sup>	6 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>PRO-FISH 1000</b>	12V	700W	70A	10mm <sup>2</sup>	8 AWG	16mm <sup>2</sup>	4 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>H2</b>	12V	700W	90A	10mm <sup>2</sup>	6 AWG	25mm <sup>2</sup>	4 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>H2</b>	24V	900W	50A	6mm <sup>2</sup>	10 AWG	6mm <sup>2</sup>	8 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>H3</b>	12V	1000W	110A	16mm <sup>2</sup>	6 AWG	25mm <sup>2</sup>	2 AWG			1.5mm <sup>2</sup> 16 AWG	5A
<b>H3</b>	24V	1000W	90A	10mm <sup>2</sup>	8 AWG	16mm <sup>2</sup>	6 AWG			1.5mm <sup>2</sup> 16 AWG	5A

# Circuit Breaker, Contactor, Switch and Accessories Guide:

After identifying your product, please follow three steps:

- 1 Select Electrical Protection
- 2 Select Operational Control
- 3 Choose Switch Type

### Capstans

### Horizontal Windlasses

### Vertical Windlasses

Part #	Description	C3	C4/C5	Pro-Sport	Pro-Series/ Pro-Fish 700	Pro-Series/ Pro-Fish 1000	H2	H3	V700	V1 / Sport	V2	V3	V4	V5	V6	V8 2500	V8 3500
<b>1 Circuit Breakers</b>																	
68000603	Circuit Breaker (Slow Blow) 25A			12V					12V								
68000604	Circuit Breaker (Slow Blow) 35A																
68000348	Circuit Breaker (Slow Blow) 50A	24V			12V		24V				24V						
68000240	Circuit Breaker (Slow Blow) 70A	12V				12V											
68000349	Circuit Breaker (Slow Blow) 90A						12V	24V		12V	12V	24V					
68000350	Circuit Breaker (Slow Blow) 110A		24V				12V					12V	24V	24V			
68000351	Circuit Breaker (Slow Blow) 150A		12V										12V	12V			
68000627	Circuit Breaker (Slow Blow) 160A														24V		
68000894	Circuit Breaker (Slow Blow) 200A															24V	
68000628	Circuit Breaker (Slow Blow) 225A																
68000895	Circuit Breaker (Slow Blow) 250A																24V
<b>2 Single-Direction Contactors</b>																	
0052505	Contactor 12V	•	•														
0052506	Contactor 24V	•	•														
<b>Dual-Direction Contactors</b>																	
68000318	Contactor 12V									•	•	•		•			
68000319	Contactor 24V									•	•	•		•		•	
68000320	Contactor 12V												•				
68000321	Contactor 24V												•				•
0052531	Contactor (Dual) 12V PM			•	•	•			•								
<b>Dual-Direction Control Boxes</b>																	
68000129	Control Box (Dual) 12V									•	•	•		•			
68000130	Control Box (Dual) 24V									•	•	•		•		•	
18000200	Control Box (Dual) 12V												•				
18000237	Control Box (Dual) 24V												•				•
68000519	Control Box (Dual) 12V														•		
68000490	Control Box (Dual) 24V														•		
0052509	Control Box (Dual) 12V PM			•	•	•			•								
0052529	Control Box (Dual) 12V SW																
0052530	Control Box (Dual) 24V SW																
<b>3 Switches</b>																	
69000346	Electric Deck Switch	•	•														
0052519	Toggle Switch (Up/Down)			•	•			•									
68000593	Guarded Rocker Switch (Up/Down)			•	•	•	•	•	•	•	•	•	•	•	•	•	•
68000524	Deluxe Remote Control (Up/Down)			•	•	•	•	•	•	•	•	•	•	•	•	•	•
68000883	Deck Foot Switch Composite (Down)			•	•	•	•	•	•	•	•	•	•	•	•	•	•
68000884	Deck Foot Switch Composite (Up)			•	•	•	•	•	•	•	•	•	•	•	•	•	•
68000888	Deck Foot Switch SS/ST Lid (Down)			•	•	•	•	•	•	•	•	•	•	•	•	•	•
68000889	Deck Foot Switch SS ST Lid (Up)			•	•	•	•	•	•	•	•	•	•	•	•	•	•
68000599	Handheld Control (Up/Down)			•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>Chain Counters</b>																	
66830008	Chain Counter AA560R/C								•	•	•	•	•	•	•	•	•
68000602	Handheld Chain Counter								•	•	•	•	•	•	•	•	•
66830010	Chain Counter AA150								•	•	•	•	•	•	•	•	•
<b>Wireless Remotes</b>																	
68000844	3-Button Wireless Remote and Receiver			•	•	•	•	•	•	•	•	•	•	•	•	•	•
68000845	5-Button Windlass & Thruster Remote and Receiver			•	•	•	•	•	•	•	•	•	•	•	•	•	•

## Switchgear Options - Single or dual-station operation available



Electric Deck Switch

Guarded Rocker Switch

Circuit Breaker

Wireless Remote

Deluxe Remote Control

Handheld Control Switch



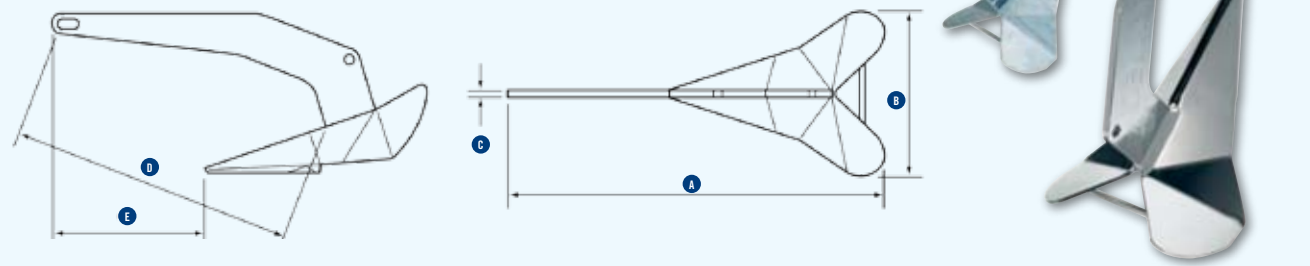
# Delta™ Anchor

The Delta™ anchor is constructed of high-grade manganese steel and stainless steel for maximum tensile strength. Its unique shank profile and ballasted tip make it self-launching. And its low center of gravity and self-righting geometry ensure that it will set immediately.

Consistent and reliable in performance, the Delta™ anchor is guaranteed for life against breakage,\* has Lloyd's Approval\*\* as a High Holding Power anchor and is specified as the primary anchor used by numerous National Lifeboat organizations.

\*Damage by deformation or bending is not covered by this guarantee.  
\*\*Lloyd's Test Certification is available for individual Delta™ anchors by arrangement.

## Delta™ Anchor Dimensions



## Delta™ Anchor Specifications

Galvanized Part No	Stainless Part No	Anchor Weight		Recommended Chain Size		A		B		C		D		E	
		kg	lb	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
0057404		4	9	6-7	1/4	514	20 1/4	230	9	8	5/16	387	15 1/4	210	8 1/4
0057406	0057306	6	14	6-7	1/4	593	23 3/8	265	10 3/8	10	3/8	450	17 3/8	243	9 1/2
0057410	0057310	10	22	8	5/16	695	27 3/8	310	12 1/4	13	1/2	526	20 3/8	282	11 1/8
0057416	0057316	16	35	8	5/16	812	32	362	14 1/4	13	1/2	614	24 1/8	328	13
0057420	0057320	20	44	10	3/8	877	34 1/2	392	15 3/8	16	5/8	663	26 1/8	357	14
0057425	0057325	25	55	10	3/8	945	37 1/4	415	16 3/8	16	5/8	713	28	387	15 1/4
0057432	0057332	32	70	10	3/8	1023	40 1/4	453.5	17 3/8	20	3/4	775	30 1/2	425	16 3/4
0057440	0057340	40	88	10	3/8	1103	43 1/2	489	19 1/4	20	3/4	883	32 1/4	437	17 1/4
0057450	0057350	50	110	12	1/2	1175	46 1/4	523	20 1/2	20	3/4	890	35	479	18 3/8
0057463	0057363	63	140	12	1/2	1270	50	567	20 3/8	22	7/8	963	38	508	20

## Delta™ Anchor Selection Guide

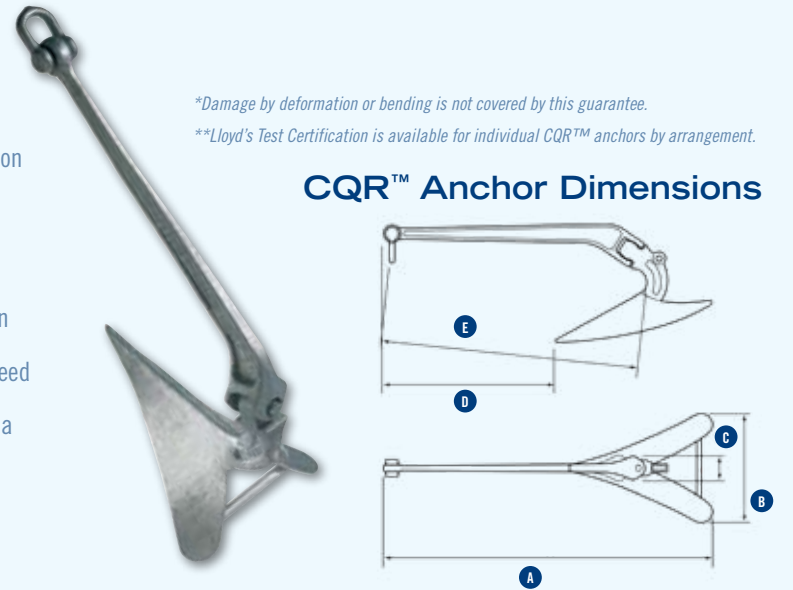
		Boat Length Overall								
Anchor Weight		6 m	9.2m	12.2m	15.2 m	18.3 m	21.3 m	24.4 m	27.4 m	
kg lb		20 ft	30 ft	40 ft	50 ft	60 ft	70 ft	80ft	90ft	
Delta™	4 9	■								
Delta™	6 14		■							
Delta™	10 22			■						
Delta™	16 35				■					
Delta™	20 44					■				
Delta™	25 55						■			
Delta™	32 70							■		
Delta™	40 88								■	
Delta™	50 110									■
Delta™	63 140									■

# CQR™ Anchor

The CQR™ anchor has gained legendary status for its superior performance. The original drop-forged construction of the CQR™ anchor increases its strength and reliability under load – a genuine CQR™ anchor will not break. Its hinged shank delivers consistent setting and holding even in the very worst conditions. The CQR™ anchor is guaranteed for life against breakage\* and has Lloyd's Approval\*\* as a High Holding Power anchor.

\*Damage by deformation or bending is not covered by this guarantee.  
\*\*Lloyd's Test Certification is available for individual CQR™ anchors by arrangement.

## CQR™ Anchor Dimensions



## CQR™ Anchor Specifications

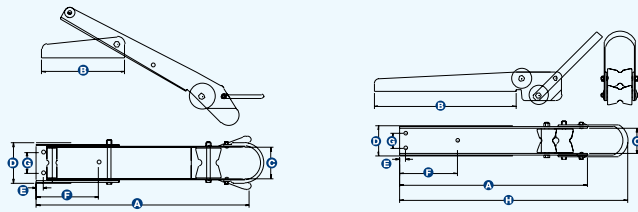
Galvanized Part No	Stainless Steel Part No	Anchor Weight		Recommended Chain Size		A		B		C		D		E	
		kg	lb	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
0056503	-	7	15	6	1/4	660	26	235	9 1/4	55	2 1/8	552	21 3/4	330	13
0056504	-	9	20	8	5/16	775	30 1/2	246	9 5/8	60	2 3/8	647	25 1/2	370	14 1/2
0056505	-	11	25	8	5/16	825	32 1/2	282	11 1/8	65	2 1/2	677	26 3/8	390	15 3/8
0056506	-	16	35	8	5/16	981	38 3/8	328	13	76	3	776	30 1/2	513	20 1/4
0056507	-	20	44	10	3/8	1037	40 3/8	355	14	83	3 1/4	828	32 1/2	528	20 3/4
0056508	0056205	27	60	10	3/8	1117	44	390	15 3/8	89	3 1/2	913	36	555	21 3/8
0056509	0056206	34	75	12	1/2	1190	46 3/8	412	16 1/4	94	3 3/4	978	38 1/2	570	22 1/2
0056510	0056207	48	105			1196	47	485	19	120	4 3/4	843	33 3/8	530	20 3/8
0056511	0056208	66	140			1337	52 3/8	537	21 1/8	128	5	933	36 3/4	583	23
0056513	0056209	81	180			1450	57	582	23	138	5 1/2	1010	39 3/4	634	25
0056515	0056210	108	240			1560	61 1/2	641	25 1/4	146	5 3/4	1105	43 1/2	694	27 3/8
0056530	0056211	137	300			1682	66 1/4	693	27 1/4	154	6	1194	47	746	29 3/8
0056540		182	400			1865	73 1/2	763	30	164	6 1/2	1319	52	828	32 1/2
0056550		227	500			2109	83	825	32 1/2	174	6 3/4	1430	56 1/4	875	34 1/2
0056560		273	600			2138	84 1/8	870	34 1/4	184	7 1/4	1511	59 1/2	949	37 3/8
0056570		318	700			2256	88 3/8	900	35 1/2	197	7 3/4	1589	62 1/2	996	39 1/4

## CQR™ Anchor Selection Guide

		Boat Length Overall						
Anchor Weight		6 m	9.2m	12.2m	15.2 m	18.3 m	21.3 m	
kg lb		20 ft	30 ft	40 ft	50 ft	60 ft	70 ft	
CQR™	7 15	■						
CQR™	9 20		■					
CQR™	11 25			■				
CQR™	16 35				■			
CQR™	20 44					■		
CQR™	27 60						■	
CQR™	34 75							■

# Bow Rollers

- Friction-free surface to make dropping and weighing anchor easier
- Won't damage the deck or topsides
- Allows you to safely stow anchor while cruising and deploy at short notice
- Constructed of 304 stainless steel
- Range of rollers to fit the most common combinations of anchor, mounting style and boat
- Please visit [lewmar.com](http://lewmar.com) for the full range of sizes



## Bow Roller Specifications

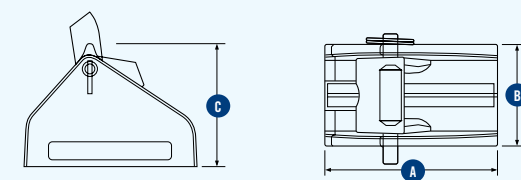
Part Number	Weight		Anchor Type	A		B		C		D		E		F		G		H	
	kg	lb		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
66840007	3.6	8	Any Fluke style to 35lb/16kg	524	20	103	8	76	3	99	3 7/8	16	5/8	153	6	51	2	-	-
66840008	4	9	14, 22 & 35lb (7, 10 & 16kg) Delta™ anchors	495	19 1/2	376	14 13/16	67	2 3/8	80	3 1/8	16	5/8	153	6	38	1 1/2	602	23 13/16
66840009	4.5	10	14, 22 & 35lb (7, 10 & 16kg) Delta™ anchors*	597	23 1/2	478	18 13/16	67	2 3/8	80	3 1/8	16	5/8	153	6	38	1 1/2	704	27 13/16
66840010	6	13	CQR™ anchors up to 44lb/20kg	490	19 3/16	356	14	89	3 1/2	102	4	16	5/8	153	6	51	2	adjustable	
66840014	2.3	5	Fits Sand (Danforth style) Anchors up to 35 lb	508	20	356	14	76	3	86	3 3/8	16	5/8	153	6	38	1 1/2	adjustable	
66840015	0.5	1	Utility Roller	153	6	102	4	41	1 5/8	51	2	16	5/8	80	3 1/8	19	3/4	159	6 1/4
66840016	0.9	2	Fits Sand (Danforth style) Anchors up to 20 lb/9kg. Special narrow width	291	15 3/8	292	11 1/2	40	1 5/8	51	2	16	5/8	153	6	19	3/4	396	15 3/8
66840017	5.5	12	Fits Claw Anchor and Bruce anchors up to 44 lb/20kg	610	24	328	12 9/10	64	2 1/2	76	3	16	5/8	153	6	38	1 1/2	adjustable	

\* Farther from the bow.



# Chain Stoppers

Windlasses are not designed to hold high loads while a boat is at anchor. When the windlass is not in use and the boat is at anchor, the chain should be secured using a chain stopper or the rope rode should be attached to a load-bearing point such as a cleat. Lewmar has created a beautiful new range of cast stainless chain stoppers made from 316 stainless steel, perfect for sleep-filled nights and lazy lunches.



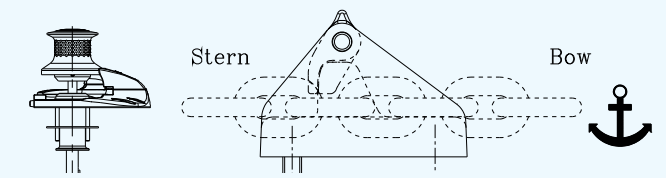
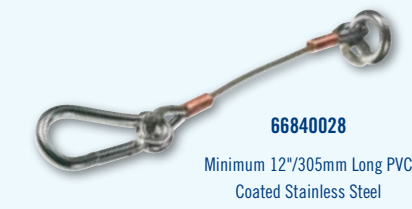
## Anchor Safety Straps

Part Number	Description
66840027	Anchor Safety Strap 3mm Wire
66840028	Anchor Safety Strap 4mm Wire



## Specifications

Standard Part Number	Lever Version Part Number	Chain Size	A		B		C		
			mm	in	mm	in	mm	in	
66840049	66840077	8	3/16	110	4 3/16	65	2 1/2	79	3 1/8
66840050	66840079	10	3/8	110	4 3/16	65	2 1/2	79	3 1/8
66840051	66840080	12-13	1/2	148	5 7/8	88	3 1/2	101	4
66840052	66840081	13-14	5/8	160	6 3/16	100	3 9/16	106	4 1/8
66840069		6-10	1/4-3/8	79	3 1/8	60	2 3/8	57	2 1/4



# Dock like a pro with Lewmar TT Thrusters.

Maneuvering around the dock area can be difficult, but Lewmar's TT Thrusters make docking simple. The revolutionary design of the TT propeller – the latest in Lewmar's long history of custom thruster solutions – achieves perfectly even thrust in both directions for maximum control and maneuverability. All Lewmar Thrusters have been extensively tested, resulting in a smooth, efficient and quiet performance that will have you docking like a pro in no time.



## Features

- Range from 2.0kW (3HP) to 15kW (20HP)
- No reservoir to install, no leaks and no maintenance
- High-performance 5-blade propellers give equal thrust in both directions
- High-integrity seal
- Spline-driven propeller, no drive pin required
- Black box electronics prevent misuse and protect motor
- Hardened and ground spiral bevel gears for maximum efficiency and quiet power transmission
- Self-resetting thermal protection on all motors
- Choice of Joystick or Touch Panel controls
- Easy plug-together switch connections
- Minimum silhouette hub for smooth water flow
- Ignition Protected Option Available



The unique 5-blade propeller produces equal thrust out of the tunnel across the full 140 & 185 range from a single propeller. The 250 & 300 utilize twin counter rotating props to get the best performance from larger tunnels and higher power outputs.



The TT range is spline-driven, no drive pin required.



The Lewmar cassette seal gives excellent protection and better sealing than standard lip seal. This enables Lewmar TT thrusters to be installed without the need for a top-up reservoir and its associated maintenance.



The Lewmar TT anode has a specially designed stainless steel sheath for optimal retention. Secured with a large nut, it is simple to replace.

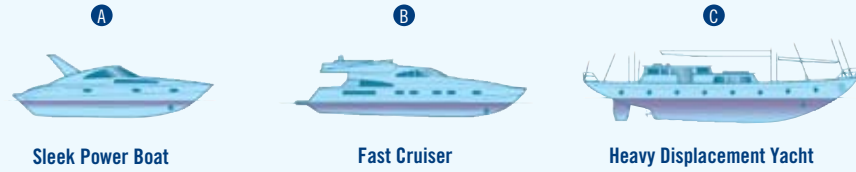


Lewmar controllers are modern and attractive, complement any instrument cluster and are simple to install.



The TT has safety built in; the sealed black box protects the Thruster against misuse. The motor thermal switch self-sets to provide temperature control for optimal performance.

## Force Factor Guide



Wind Effects (Conditions)	Force Factor		
	A Light Displacement/ Low Windage	B Medium Displacement/ Medium Windage	C Heavy Displacement/ High Windage
<b>Slight</b> 5-8M/S, 11-16 Knots, Beaufort F4, 12-18mph	1	2	3
<b>Moderate</b> 8-11M/S, 17-21 Knots, Beaufort F5, 19-24mph	4	5	6
<b>Rough</b> 11-14M/S, 21-26 Knots, Beaufort F6, 25-30mph	7	8	9

## Thruster Selection Guide

After deciding FF above, locate boat LOA and appropriate TT Thruster.

FF	LOA (m) (8)	(9)	(10.5)	(12)	(13.5)	(15)	(16.7)	(18.2)	(19.7)	(21.2)	(22.7)	(24.2)	(26)	(27.3)	
	LOA ft	25	30	35	40	45	50	55	60	65	70	75	80	85	90
1		140TT			185TT			250TT		250TTHyd & 300TTE				300TTH	
2															
3															
4															
5															
6															
7															
8															
9															

Note: The 250TTHyd can be used in all areas that the 300TT10.8 appears.



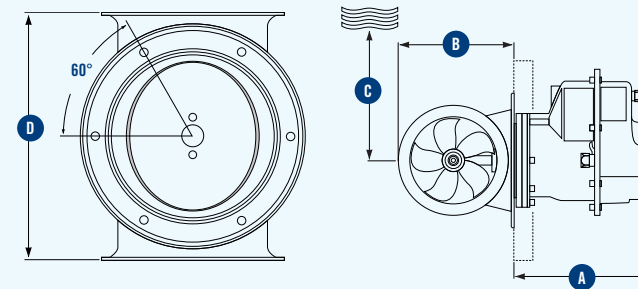
## Ignition Protected TT Thruster

### Features

- For use in gas/damp environments
- Manufactured and tested to meet ISO 8846
- Waterproof (not recommended to be used when submerged for long periods of time)
- Tough and durable composite housing
- Pre-installed 10m of control cable for connection outside of the restricted area
- Pre-installed 3m of main power cables and supplied terminals for safe power supply connection
- Externally mounted fuse for easy maintenance
- Electric motor incorporates an auto-shutoff thermal sensor
- Control system shuts down after 3 minutes of continuous use
- High quality Solenoids to prevent possible contact welding
- Electronic delay between thrust directions to prevent damage to motor
- Externally mounted in-line fuse fitted to protect control cable



Ignition Protected Housing



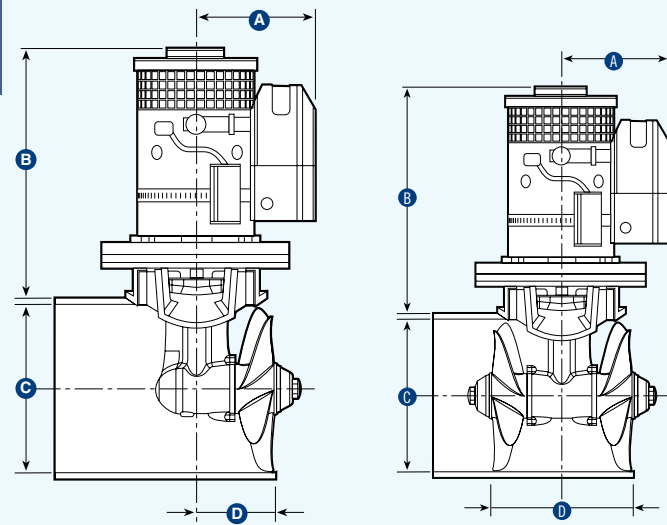
Lewmar Model	140TT IP	185TT IP	185TT IP	185TT IP	185TT IP	185TT IP	185TT IP	185TT IP
Lewmar Part No.	591404	591829	591830	591831	591832	591833	591834	591836
Inside Tunnel $\beta$	140	185	185	185	185	185	185	185
A	273-10 <sup>3</sup> / <sub>4</sub>	298-11 <sup>3</sup> / <sub>4</sub>	298-11 <sup>3</sup> / <sub>4</sub>	298-11 <sup>3</sup> / <sub>4</sub>	298-11 <sup>3</sup> / <sub>4</sub>	298-11 <sup>3</sup> / <sub>4</sub>	298-11 <sup>3</sup> / <sub>4</sub>	298-11 <sup>3</sup> / <sub>4</sub>
B	190-7 <sup>1</sup> / <sub>2</sub>	248-9 <sup>3</sup> / <sub>4</sub>	248-9 <sup>3</sup> / <sub>4</sub>	248-9 <sup>3</sup> / <sub>4</sub>	248-9 <sup>3</sup> / <sub>4</sub>	248-9 <sup>3</sup> / <sub>4</sub>	248-9 <sup>3</sup> / <sub>4</sub>	248-9 <sup>3</sup> / <sub>4</sub>
C	210-8 <sup>1</sup> / <sub>4</sub>	278-10 <sup>15</sup> / <sub>16</sub>	278-10 <sup>15</sup> / <sub>16</sub>	278-10 <sup>15</sup> / <sub>16</sub>	278-10 <sup>15</sup> / <sub>16</sub>	278-10 <sup>15</sup> / <sub>16</sub>	278-10 <sup>15</sup> / <sub>16</sub>	278-10 <sup>15</sup> / <sub>16</sub>
D	225-8 <sup>7</sup> / <sub>8</sub>	320-12 <sup>5</sup> / <sub>8</sub>	320-12 <sup>5</sup> / <sub>8</sub>	320-12 <sup>5</sup> / <sub>8</sub>	320-12 <sup>5</sup> / <sub>8</sub>	320-12 <sup>5</sup> / <sub>8</sub>	320-12 <sup>5</sup> / <sub>8</sub>	320-12 <sup>5</sup> / <sub>8</sub>

Lewmar Model	140TT IP	185TT IP	185TT IP	185TT IP	185TT IP	185TT IP	185TT IP	185TT IP
Lewmar Part No.	591404	591829	591830	591831	591832	591833	591834	591836
Power	2.2kw	3.0kw	3.0kw	4.0kw	4.0kw	5.0kw	5.0kw	6.0kw
Voltage	12v	12v	24v	12v	24v	12v	24v	24v
Thrust	42kgf	58kgf	58kgf	65kgf	65kgf	82kgf	82kgf	97kgf
Current Draw	280A	330A	160A	470A	235A	480A	240A	370A
Fuse Rating	200A	250A	130A	400A	250A	400A	250A	325A
Stern Tunnel	589110	589310	589310	589310	589310	589310	589310	589310
Estimated Boat Size	25-32ft	32-38ft	32-38ft	38-44ft	38-44ft	44-50ft	44-50ft	50-58ft



# TT Thruster Specifications

## TT Thruster Dimensions



185TT3.0 Thruster

300TT Thruster

Part No.	Model	Voltage	Power	Gearbox Metal	Tunnel	Props	Thrust	Weight	A		B		C		D	
									mm	in	mm	in	mm	in	mm	in
591402	140TT 2.0	12V	2.0kw (2.7hp)	Bronze	140mm	Single 5-Blade	37kgf (81lbs)	13kgs (29lbs)	123	4 13/16	209	8 1/4	140	5 1/2	73	2 7/8
591401	140TT 2.2	12V	2.2kw (3.0 hp)	Bronze	140mm	Single 5-Blade	42kgf (92lbs)	13kgs (29lbs)	123	4 13/16	235	9 1/4	140	5 1/2	73	2 7/8
591801	185TT 3.0	12V	3.0kw (4.0 hp)	Bronze	185mm	Single 5-Blade	58kgf (128lbs)	20kgs (43lbs)	130	5 1/8	271	10 11/16	185	7 3/16	85	3 3/8
591802	185TT 3.0	24V	3.0kw (4.0 hp)	Bronze	185mm	Single 5-Blade	58kgf (128lbs)	20kgs (43lbs)	130	5 1/8	271	10 11/16	185	7 3/16	85	3 3/8
591807	185TT 4.0	12V	4.0kw (5.4 hp)	Bronze	185mm	Single 5-Blade	65kgf (143lbs)	20kgs (43lbs)	148	5 13/16	294	11 9/16	185	7 3/16	85	3 3/8
591808	185TT 4.0	24V	4.0kw (5.4 hp)	Bronze	185mm	Single 5-Blade	65kgf (143lbs)	20kgs (43lbs)	148	5 13/16	294	11 9/16	185	7 3/16	85	3 3/8
591803	185TT 5.0	12V	5.0kw (6.7 hp)	Bronze	185mm	Single 5-Blade	82kgf (180lbs)	27kgs (59lbs)	162	6 3/8	316	12 7/16	185	7 3/16	85	3 3/8
591804	185TT 5.0	24V	5.0kw (6.7 hp)	Bronze	185mm	Single 5-Blade	82kgf (180lbs)	27kgs (59lbs)	162	6 3/8	316	12 7/16	185	7 3/16	85	3 3/8
591805	185TT 6.0	12V	6.0kw (8.0 hp)	Bronze	185mm	Single 5-Blade	97kgf (213lbs)	27kgs (59lbs)	173	6 13/16	316	12 7/16	185	7 3/16	85	3 3/8
591806	185TT 6.0	24V	6.0kw (8.0 hp)	Bronze	185mm	Single 5-Blade	97kgf (213lbs)	27kgs (59lbs)	173	6 13/16	316	12 7/16	185	7 3/16	85	3 3/8
592501	250TT 8.0	24V	8.0kw (10.8 hp)	Bronze	250mm	Twin CR 5-Blade	140kgf (308lbs)	46kgs (102lbs)	165	6 1/2	405	15 15/16	250	9 13/16	238	9 3/8
592502	250TT 9.6	48V	9.6kw (13.0 hp)	Bronze	250mm	Twin CR 5-Blade	170kgf (374lbs)	50kgs (110lbs)	165	6 1/2	427	16 3/16	250	9 13/16	238	9 3/8
592503	250TT 8.0	24V	8.0kw (10.8 hp)	Aluminum	250mm	Twin CR 5-Blade	140kgf (308lbs)	46kgs (102lbs)	165	6 1/2	405	15 15/16	250	9 13/16	238	9 3/8
593001	300TT 10.8	24V	10.8kw (14.5 hp)	Bronze	300mm	Twin CR 5-Blade	250kgf (550lbs)	65kgs (143lbs)	203	8	450	17 11/16	300	11 13/16	320	12 5/8
593002	300TT 15.0	48V	15kw (20.0 hp)	Bronze	300mm	Twin CR 5-Blade	280kgf (616lbs)	68kgs (150lbs)	203	8	450	17 11/16	300	11 13/16	320	12 5/8
593003	300TT 10.8	24V	10.8kw (14.5 hp)	Aluminum	300mm	Twin CR 5-Blade	250kgf (550lbs)	65kgs (143lbs)	203	8	450	17 11/16	300	11 13/16	320	12 5/8

# Accessories

## Fuse Holders

**Standard Fuse Holder – 589006** Our basic fuse holder is designed for ANL fuses and comes complete with a polycarbonate safety cover.

**T2 Fuse Holder – 589013** This higher-spec fuse holder for ANL fuses allows for easy fuse replacement. The cable is clamped independently, so a fuse can be changed without disturbing the cable. The T2 also comes with a polycarbonate safety cover.



589013

589006

## Control Panels

Lewmar's attractive panels are easy to install using a hole saw and our simple connection system.

**Joystick Panel – 589002** Lewmar's Joystick Panel features a onesecond press-and-hold safety ON device, auto shutoff after 3 minutes of continuous use and also after 15 minutes of continuous inactivity. To prevent damage to electric motor, the panel has a one-second delay from Port to Starboard (and Starboard to Port).

**Locking Joystick Controller – 589003** The Lewmar Locking Joystick Controller is an ideal entry-level safety panel. To operate, simply lift the center lever and move in the desired direction.

**Dual Joystick Panel – 589004/Touch Panel – 589001** Our Dual Joystick Panel and Touch Panels incorporate safety locks, illumination and many other safety features.



589003

589004

589001

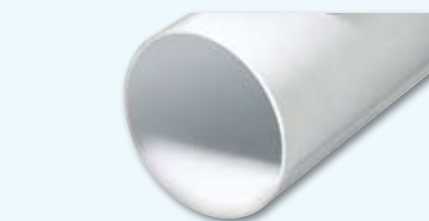
589002



Connecting Cables

## Connecting Leads and Y Connectors

Lewmar supplies 4-wire cables suitable for most installations or 5-wire cables for installations where a Battery Switch is connected. To install, simply measure the distance from the Thruster to the Panel and choose the lead that fits best. If you are installing a second or third panel, use a Y Connector to divert power back to the Thruster.



Tunnels

## Tunnels

Our range of high-quality, filament-wound GRP tunnels is manufactured to our specifications and comes in a variety of cut lengths. We also have a limited range of steel tubes.

*(For part number refer to page 34 + 35)*



Stern Kits

## Stern Kits

Lewmar manufactures sturdy stern kits from durable GRP. You'll find a kit to match our Thrusters – sizes 140TT through 300TT. *(For part number refer to page 34 + 35)*



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