



6. Winch



Lewmar winches are designed with both cruising sailors and racing crews in mind. The EVO® range of winches meets the needs of sailors and boat builders with a perfect blend of looks, functionality, and reliability. We have a range of new race-inspired winches and, for short-handed crews, the revolutionary REVO® backwinding winch makes sail handling a breeze.

Constant evolution results in Lewmar winches being fitted to numerous sailing boats: from high-volume OEMs to some of the world's biggest superyachts.

6. Winch

Winch Selection Guide

Efficient sail handling begins with the selection of the correct winch. To help you choose your desired winch, the chart below is designed as a quick reference to match application, yacht size and winch. Cross reference your yacht size (for masthead rigs) or sail area (fractional rigs) with application, to ascertain the correct winch. You can also send your deck and sail plans to your Lewmar representative, they will be pleased to make individual recommendations. REMEMBER runner winch and mainsheet winch selection depends on the purchase system fitted, and expected loads. Dynamic sail loads can easily increase the loads dramatically. Multihulls generally have a higher righting moment than monohulls of equivalent lengths, resulting in higher dynamic loading, therefore, winch size needs to be larger – consult your Lewmar representative or rigger for further guidance.

Sail Area

Sail Area		BOAT LENGTH OVERALL																					
APPLICATION	M FT	6.1-7.6 20-25		7.6-8.8 25-29		8.8-10.1 29-33		10.1-10.7 33-35		10.7-11.3 35-37		11.3-11.9 37-39		11.9-12.5 39-41		12.8-14.6 42-48		14.6-16.8 48-55		16.8-18.9 55-62		18.9-21.6 62-71	
GENOA (FT ² /M ²)		200	19	300	28	350	33	470	44	550	51	600	56	750	70	900	84	1500	139	1900	177	2300	214
SPINNAKER (FT ² /M ²)		300	28	400	37	600	56	800	74	1000	93	1200	111	1400	130	1600	149	3000	279	3800	353	4600	427
MAIN (FT ² /M ²)		120	11	150	14	180	17	210	20	230	21	260	24	300	28	350	33	750	70	875	81	1000	93

APPLICATION	SIZE	M FT	6.1 20	7.6 25	8.8 29	10.1 33	10.7 35	11.3 37	11.9 39	12.5 41	14.6 48	16.8 55	18.9 62	21.6 71	24.4 80	25+ 80+
GENOA SHEET	7															
	16															
	30															
	40															
	45															
	50															
	55															
	65															
SPINNAKER SHEET	6															
	7															
	8															
	16															
	30															
	40															
	45															
	50															
MAIN SHEET	6															
	7															
	16															
	30															
	40															
	45															
	50															
	55															
GENOA HALYARD	6															
	7															
	16															
	30															
	40															
	45															
	50															
	55															
SPINNAKER HALYARD	6															
	7															
	8															
	16															
	30															
	40															
	45															
	50															
MAIN HALYARD	6															
	7															
	8															
	16															
	30															
	40															
	45															
	50															
RUNNERS	45															
	50															
	55															
	65															
	70															
	75															
	80															
	85															

LIGHTER SHADING REPRESENTS THE UPPER LIMIT OF THE MODEL. IF IN DOUBT, MOVE UP A MODEL.

USE AS GUIDE ONLY

The Lewmar Winch Range



Page 216 EVO® Winch

- Available from size 6 to size 80
- Easy Servicing – no tools required
- Convertable to electric from size 40 up
- Choice of multiple styles and finishes
- 7 year warranty



Page 219 Electric Winches

- Purchase complete or retrofit
- Push button power control
- Features manual override



Page 226 Ocean Self-Tailing Winches

- Easy Servicing – no tools required
- Convertable to electric from size 40 up
- Available in size 16 to size 65



Page 230 Hydraulic Winches

- Ideal for craft over 15m (50ft)
- Minimal space and weight
- Quiet operation
- Features manual override



Page 232 REVO™ Winch

- Available in five sizes (40, 45, 50, 55, 65)
- Uses proven winch internals so retains all the benefits of the EVO® Winch
- Most suitable for genoa sheeting



Page 238 Custom Winches

- Cutting edge performance
- Wide range of finish and style
- Superior strength
- Easy to service



Page 244 Racing Pedestal and GP Winches

- Lightweight I-beam carbon shell
- Unique belt drive ensures maximum efficiency
- Removable pedestal option for fast cruising market



Page 248 Line Management System

- Up to 25% lighter than previous models
- Up to 3 speed options
- Unique stowing system ensures low line tension
- Emergency high-load release feature



Page 251 Winch Handles

- Award-winning OneTouch offers easy one-handed removal
- Lightweight, forged construction
- PowerGrip makes initial one-handed fast cranking easy
- Corrosion resistant

6. Winch



EVO® Self-Tailing Winches

An evolution of the renowned Lewmar Ocean winch, the EVO® Self-Tailing Winch draws on a wealth of design and manufacturing experience to produce a state-of-the-art product. With a wide choice of sizes and styles, there is a versatile EVO® for any style or application.

- **Simple Servicing**

No tools are required to service a Lewmar EVO® winch. Simply unscrew the top cap with your fingers to remove the drum and provide access to the gear train.

- **Multiple Styles and Finishes**

EVO® winches are available in black or grey alloy and chrome bronze for the cruising sailor. Manual winches feature single speed or two speed, while size 40 to size 80 are available with electric or hydraulic operation.

- **Wave Spring Jaw and Feeder Arm**

The integrated, investment-cast, stainless steel feeder arm completely covers the top of the winch, preventing a rope trap above the Wavespring jaws. The feeder arm position can be adjusted to smoothly feed the rope out of the jaws and into the cockpit.

- **Engineering Excellence**

For Lewmar customers, there is no such thing as “just a winch”. That’s because inside every winch you will find materials developed over many years, designed using the latest techniques, and machined using CNC equipment. When we machine the winches we are looking for the maximum in efficiency, durability, and strength to weight ratio.

- **Electric Winches (40 and above)**

Whatever sailing you do, short handed or long distance cruising, the decision to install electric winches or upgrade your existing winches with one of our conversion kits is simple.

- **7-Year Warranty**

We are so confident about the quality of the EVO® winch range that we are supporting it with a 7-year warranty.

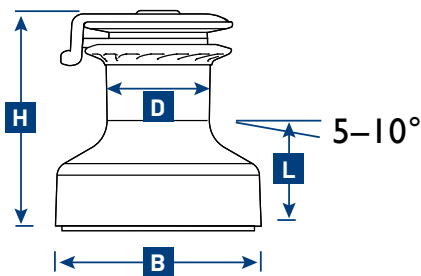




Expert Advice

When installing a winch, Lewmar recommends the winch must be mounted on a flat surface and that the rope enters the drum at an angle of 5° to 10° to the base axis of the winch. This angle can be achieved by using a base wedge when mounting the winch.

Dimensions Diagram EVO® Self-Tailing Winch



Mounting Instructions

15ST	5 X M6 (1/4 IN) C'SK HEAD SCREWS ON 94MM (3 ⁷ / ₁₀ IN) PCD
30ST	5 X M6 (1/4 IN) C'SK HEAD SCREWS ON 113MM (4 ¹⁵ / ₃₂ IN) PCD
40ST	5 X M6 (1/4 IN) C'SK HEAD SCREWS ON 121MM (4 ³ / ₄ IN) PCD
45ST	5 X M8 (5/16 IN) C'SK HEAD SCREWS ON 136MM (5 ¹ / ₃₂ IN) PCD
50ST	5 X M8 (5/16 IN) C'SK HEAD SCREWS ON 150MM (5 ²⁹ / ₃₂ IN) PCD
55ST	6 X M8 (5/16 IN) C'SK HEAD SCREWS ON 165MM (6 ¹ / ₂ IN) PCD
65ST	5 X M10 (3/8 IN) C'SK HEAD SCREWS ON 184MM (7 ¹ / ₄ IN) PCD
70-70/3ST	6 X M10 (3/8 IN) C'SK HEAD SCREWS ON 241MM (9 ¹ / ₂ IN) PCD
80-80/3ST	6 X M10 (3/8 IN) C'SK HEAD SCREWS ON 241MM (9 ¹ / ₂ IN) PCD

EVO® Self-Tailing Winch Specifications

PART NO	MODEL	FINISH	GEAR RATIO		POWER RATIO		WLL		WEIGHT		D DRUM DIA		B BASE DIA		H HEIGHT		L LINE ENTRY		LINE SIZE	
			1ST	2ND	1ST	2ND	KG	LB	KG	LB	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
49515055	15ST	ALLOY BLACK	2:1	-	15.8:1	-	570	1257	2.6	5.7	66.8	2 ⁵ / ₈	121	4 ³ / ₄	119	4 ¹¹ / ₁₆	58	2 ⁵ / ₁₆	8-12	5/16-1/2
49515057	15ST	ALLOY GREY	2:1	-	15.8:1	-	570	1257	2.6	5.7	66.8	2 ⁵ / ₈	121	4 ³ / ₄	119	4 ¹¹ / ₁₆	58	2 ⁵ / ₁₆	8-12	5/16-1/2
49515056	15ST	CHROME BRONZE	2:1	-	15.8:1	-	570	1257	3.9	8.6	66.8	2 ⁵ / ₈	121	4 ³ / ₄	119	4 ¹¹ / ₁₆	58	2 ⁵ / ₁₆	8-12	5/16-1/2
49530055	30ST	ALLOY BLACK	2:1	4.2:1	13.8:1	29.2:1	685	1510	4	8.8	74	2 ¹⁵ / ₁₆	138	5 ⁷ / ₁₆	145.85	5 ³ / ₄	69	2 ¹¹ / ₁₆	8-12	5/16-1/2
49530057	30ST	ALLOY GREY	2:1	4.2:1	13.8:1	29.2:1	685	1510	4	8.8	74	2 ¹⁵ / ₁₆	138	5 ⁷ / ₁₆	145.85	5 ³ / ₄	69	2 ¹¹ / ₁₆	8-12	5/16-1/2
49530056	30ST	CHROME BRONZE	2:1	4.2:1	13.8:1	29.2:1	685	1510	5.4	11.9	74	2 ¹⁵ / ₁₆	138	5 ⁷ / ₁₆	145.85	5 ³ / ₄	69	2 ¹¹ / ₁₆	8-12	5/16-1/2
49540055	40ST	ALLOY BLACK	1.9:1	5.8:1	13.2:1	40.2:1	795	1753	4.9	10.7	74	2 ¹⁵ / ₁₆	148	5 ¹³ / ₁₆	158.5	6 ¹ / ₄	79	3 ¹ / ₈	8-12	5/16-1/2
49540057	40ST	ALLOY GREY	1.9:1	5.8:1	13.2:1	40.2:1	795	1753	4.9	10.7	74	2 ¹⁵ / ₁₆	148	5 ¹³ / ₁₆	158.5	6 ¹ / ₄	79	3 ¹ / ₈	8-12	5/16-1/2
49540056	40ST	CHROME BRONZE	1.9:1	5.8:1	13.2:1	40.2:1	795	1753	6.5	14.3	74	2 ¹⁵ / ₁₆	148	5 ¹³ / ₁₆	158.5	6 ¹ / ₄	79	3 ¹ / ₈	8-12	5/16-1/2
49545055	45ST	ALLOY BLACK	2.4:1	7.6:1	13.9:1	44.8:1	1200	2646	7.1	15.6	87	3 ⁷ / ₁₆	168	6 ⁵ / ₈	177.7	7	84	3 ⁵ / ₁₆	8-14	5/16-9/16
49545057	45ST	ALLOY GREY	2.4:1	7.6:1	13.9:1	44.8:1	1200	2646	7.1	15.6	87	3 ⁷ / ₁₆	168	6 ⁵ / ₈	177.7	7	84	3 ⁵ / ₁₆	8-14	5/16-9/16
49545056	45ST	CHROME BRONZE	2.4:1	7.6:1	13.9:1	44.8:1	1200	2646	9.7	21.3	87	3 ⁷ / ₁₆	168	6 ⁵ / ₈	177.7	7	84	3 ⁵ / ₁₆	8-14	5/16-9/16
49550055	50ST	ALLOY BLACK	2.6:1	9:1	13.9:1	48.6:1	1250	2756	9	19.8	93	3 ⁵ / ₈	181	7 ¹ / ₈	197	7 ³ / ₄	90	3 ¹ / ₂	8-14	5/16-9/16
49550057	50ST	ALLOY GREY	2.6:1	9:1	13.9:1	48.6:1	1250	2756	9	19.8	93	3 ⁵ / ₈	181	7 ¹ / ₈	197	7 ³ / ₄	90	3 ¹ / ₂	8-14	5/16-9/16
49550056	50ST	CHROME BRONZE	2.6:1	9:1	13.9:1	48.6:1	1250	2756	12.3	27	93	3 ⁵ / ₈	181	7 ¹ / ₈	197	7 ³ / ₄	90	3 ¹ / ₂	8-14	5/16-9/16
49555055	55ST	ALLOY BLACK	2.8:1	11.2:1	13.8:1	54:1	1480	3263	12.2	26.9	105	4 ¹ / ₈	205	8 ¹ / ₁₆	233	9 ¹ / ₃₂	115	4 ¹ / ₂	8-16	5/16-5/8
49555057	55ST	ALLOY GREY	2.8:1	11.2:1	13.8:1	54:1	1480	3263	12.2	26.9	105	4 ¹ / ₈	205	8 ¹ / ₁₆	233	9 ¹ / ₃₂	115	4 ¹ / ₂	8-16	5/16-5/8
49555056	55ST	CHROME BRONZE	2.8:1	11.2:1	13.8:1	54:1	1480	3263	18	39.6	105	4 ¹ / ₈	205	8 ¹ / ₁₆	233	9 ¹ / ₃₂	115	4 ¹ / ₂	8-16	5/16-5/8
49565055	65ST	ALLOY BLACK	3.1:1	14.8:1	13.4:1	64:1	1700	3748	16.6	36.5	118	4 ⁵ / ₈	228	9	251	9 ⁷ / ₈	119	4 ¹¹ / ₁₆	8-18	5/16-11/16
49565057	65ST	ALLOY GREY	3.1:1	14.8:1	13.4:1	64:1	1700	3748	16.6	36.5	118	4 ⁵ / ₈	228	9	251	9 ⁷ / ₈	119	4 ¹¹ / ₁₆	8-18	5/16-11/16
49565056	65ST	CHROME BRONZE	3.1:1	14.8:1	13.4:1	64:1	1700	3748	23.8	52.4	118	4 ⁵ / ₈	228	9	251	9 ⁷ / ₈	119	4 ¹¹ / ₁₆	8-18	5/16-11/16

6. Winch



Custom EVO® Winches

Lewmar Evo winches extend to size 80, 3 speed.

Evo® Winch Electric Conversion Kit

- Upgrade your manual winch to an electric model with the Evo upgrade kit.
- The kit contains all you need to convert to an electric winch.
- Option for sizes 40 to 50 to have the contactor pre-mounted to the motor gearbox removing any complicated wiring for a tidier and easier installation. It only requires connecting the battery and the switch supplied.

WINCH SIZE	12V CONVERSION KIT CONTACTOR PRE-MOUNTED	12V CONVERSION KIT WITH SEPARATE CONTACTOR
40ST	48540301	48540300
45ST	48545301	48545300
50ST	48550301	48550300
55ST	-	48555300



Kit includes:

1



Power Drive

2



Motor Gearbox
and Contactor

3

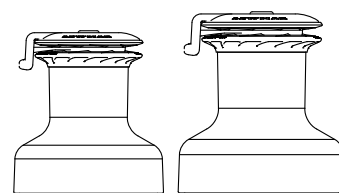


Circuit Breaker
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4



Switch
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70

80

Custom EVO® Self-Tailing Winch Specifications

PART NO	MODEL	FINISH	GEAR RATIO			POWER RATIO			WLL		WEIGHT		D DRUM DIA		B BASE DIA		H HEIGHT		L LINE ENTRY		LINE SIZE	
			1ST	2ND	3RD	1ST	2ND		KG	LB	KG	LB	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
49570055	70ST	ALLOY BLACK		5.8	18.8		20.9	67.6	3000	6600	20.5	45.1	141	5 9/16	282	11 1/8	277	10 7/8	142	5 5/8	12 - 22	1/2 - 7/8
49570057	70ST	ALLOY GREY		5.8	18.8		20.9	67.6	3000	6600	20.5	45.1	141	5 9/16	282	11 1/8	277	10 7/8	142	5 5/8	12 - 22	1/2 - 7/8
49570056	70ST	CHROME BRONZE		5.8	18.8		20.9	67.6	3000	6600	30.9	67.98	141	5 9/16	282	11 1/8	277	10 7/8	142	5 5/8	12 - 22	1/2 - 7/8
49570065	70/3ST	ALLOY BLACK	2.8	8	19.3	9.9	29.1	69.3	3000	6600	33	72.6	141	5 9/16	282	11 1/8	321	12 5/8	142	5 5/8	12 - 22	1/2 - 7/8
49570067	70/3ST	ALLOY GREY	2.8	8	19.3	9.9	29.1	69.3	3000	6600	33	72.6	141	5 9/16	282	11 1/8	321	12 5/8	142	5 5/8	12 - 22	1/2 - 7/8
49570066	70/3ST	CHROME BRONZE	2.8	8	19.3	9.9	29.1	69.3	3000	6600	37	81.4	141	5 9/16	282	11 1/8	321	12 5/8	142	5 5/8	12 - 22	1/2 - 7/8
CONTACT LEWMAR	80ST	ALLOY BLACK		8	27		23	77	3500	7700	39	85.8	178	7	294	11 5/8	321	12 5/8	174	6 7/8	12 - 22	1/2 - 7/8
	80ST	ALLOY GREY		8	27		23	77	3500	7700	39	85.8	178	7	294	11 5/8	321	12 5/8	174	6 7/8	12 - 22	1/2 - 7/8
	80ST	CHROME BRONZE		8	27		23	77	3500	7700	42.8	94.16	178	7	294	11 5/8	321	12 5/8	174	6 7/8	12 - 22	1/2 - 7/8
49580065	80/3ST	ALLOY BLACK	2.8	8	27	7.9	23	77	3500	7700	43	94.6	178	7	294	11 5/8	321	12 5/8	174	6 7/8	12 - 22	1/2 - 7/8
49580067	80/3ST	ALLOY GREY	2.8	8	27	7.9	23	77	3500	7700	43	94.6	178	7	294	11 5/8	321	12 5/8	174	6 7/8	12 - 22	1/2 - 7/8
49580066	80/3ST	CHROME BRONZE	2.8	8	27	7.9	23	77	3500	7700	44.5	97.9	178	7	294	11 5/8	321	12 5/8	174	6 7/8	12 - 22	1/2 - 7/8



EVO® Electric Winches

A Self-Tailing EVO® Winch that works at the push of a button is exactly what you will find with Lewmar's electric winch range. Whether you buy an electrically-operated winch complete or retrofit the compact electric motor/controller unit, the electric EVO® provides improved sail control.

- Push button power
- Quiet operation
- Manual override
- Easy to install
- Featuring powerful series wound motors
- Choice of two levels of control: E Series or Electric Load Sensing (ELS)

EVO® Electric Winch Kit

The kit contains all you need to install your electric winch.



EVO® Electric Winch Kits

PART NUMBER		DESCRIPTION
12 VOLTS	24 VOLTS	
49540219	-	40EST ALLOY BLACK ELECTRIC WINCH KIT
49540218	-	40EST CHROME BRONZE ELECTRIC WINCH KIT
49540217	-	40EST ALLOY GREY ELECTRIC WINCH KIT
49545219	-	45EST ALLOY BLACK ELECTRIC WINCH KIT
49545218	-	45EST CHROME BRONZE ELECTRIC WINCH KIT
49545217	-	45EST ALLOY GREY ELECTRIC WINCH KIT
49550219	-	50EST ALLOY BLACK ELECTRIC WINCH KIT
49550218	-	50EST CHROME BRONZE ELECTRIC WINCH KIT
49550217	-	50EST ALLOY GREY ELECTRIC WINCH KIT
49555210	49555230	55EST ALLOY BLACK ELECTRIC WINCH KIT
49555201	49555221	55EST CHROME BRONZE ELECTRIC WINCH KIT
49555200	49555220	55EST ALLOY GREY ELECTRIC WINCH KIT
49565210	49565230	65EST ALLOY BLACK ELECTRIC WINCH KIT
49565201	49565221	65EST CHROME BRONZE ELECTRIC WINCH KIT
49565200	49565220	65EST ALLOY GREY ELECTRIC WINCH KIT
-	49570230	70EST ALLOY BLACK ELECTRIC WINCH KIT
-	49570221	70EST CHROME BRONZE ELECTRIC WINCH KIT
-	49570220	70EST ALLOY GREY ELECTRIC WINCH KIT
-	49570211	70/3EST ALLOY BLACK ELECTRIC WINCH KIT
-	49570212	70/3EST CHROME BRONZE ELECTRIC WINCH KIT
-	49570213	70/3EST ALLOY GREY ELECTRIC WINCH KIT
-	49580230	80EST ALLOY BLACK ELECTRIC WINCH KIT
-	49580221	80EST CHROME BRONZE ELECTRIC WINCH KIT
-	49580220	80EST ALLOY GREY ELECTRIC WINCH KIT
-	49580211	80/3EST ALLOY BLACK ELECTRIC WINCH KIT
-	49580212	80/3EST CHROME BRONZE ELECTRIC WINCH KIT
-	49580213	80/3EST ALLOY GREY ELECTRIC WINCH KIT

6. Winch

Specify Your Own Electric Winch

1 Deck Unit



2 Motor Gearbox



3 Contactor/Control Box



Circuit Breaker
p234

4 Accessories



Switch
p235

1 Electric Winch Deck Unit

Electric Winch

PART NUMBER	MODEL	FINISH	WEIGHT	
			KG	LB
48540210	40 EST	ALLOY BLACK	17.8	39.3
48540201	40 EST	CHROME	19.5	43.0
48540200	40 EST	ALLOY GREY	17.8	39.3
48545210	45 EST	ALLOY BLACK	22.1	48.6
48545201	45 EST	CHROME	24.6	54.1
48545200	45 EST	ALLOY GREY	22.1	48.6
48550210	50 EST	ALLOY BLACK	24.7	54.3
48550201	50 EST	CHROME	28.1	61.8
48550200	50 EST	ALLOY GREY	24.7	54.3
48555210	55 EST	ALLOY BLACK	29.0	63.8
48555201	55 EST	CHROME	34.8	76.5
48555200	55 EST	ALLOY GREY	29.0	63.8
48565210	65 EST	ALLOY BLACK	33.6	73.9
48565201	65 EST	CHROME	40.8	89.7
48565200	65 EST	ALLOY GREY	33.6	73.9

NOTES: WEIGHTS SHOWN ABOVE INCLUDES THE WEIGHT OF MOTOR GEARBOX & CONTROL BOX.

Custom Electric Winch

PART NUMBER	MODEL	FINISH	WEIGHT	
			KG	LB
48570210	70 EST	ALLOY BLACK	42.0	92.6
48570201	70 EST	CHROME	48.8	107.6
48570200	70 EST	ALLOY GREY	42.0	92.6
48570208	70/3 EST	ALLOY BLACK	48.0	105.8
48570207	70/3 EST	CHROME	54.8	120.8
48570206	70/3 EST	ALLOY GREY	48.0	105.8
48580210	80 EST	ALLOY BLACK	49.3	108.7
48580201	80 EST	CHROME	55.3	121.9
48580200	80 EST	ALLOY GREY	49.3	108.7
48580208	80/3 EST	ALLOY BLACK	51.3	113.1
48580207	80/3 EST	CHROME	57.3	126.3
48580206	80/3 EST	ALLOY GREY	51.3	113.1

2 Motor Gearbox

PART NUMBER	DESCRIPTION	MOTOR (Watt)	40ST	45ST	50ST	55ST	65ST	70-70/3	80-80/3
48000116	40-50 12V M/GBX ASSY	700	•	•	•				
48000117	40-50 24V M/GBX ASSY	900	•	•	•				
48000075	55-65 12V M/GBX ASSY	1600				•	•		
48000076	55-65 24V M/GBX ASSY	2000				•	•		
48000077	70-80 12V M/GBX ASSY	1600						•	•
48000078	70-80 24V M/GBX ASSY	2000						•	•



Electric motor including contactor

Lewmar can also supply motor gearboxes with the E-series contactor pre-mounted.

This convenient solution removes any complicated wiring for an easier installation.

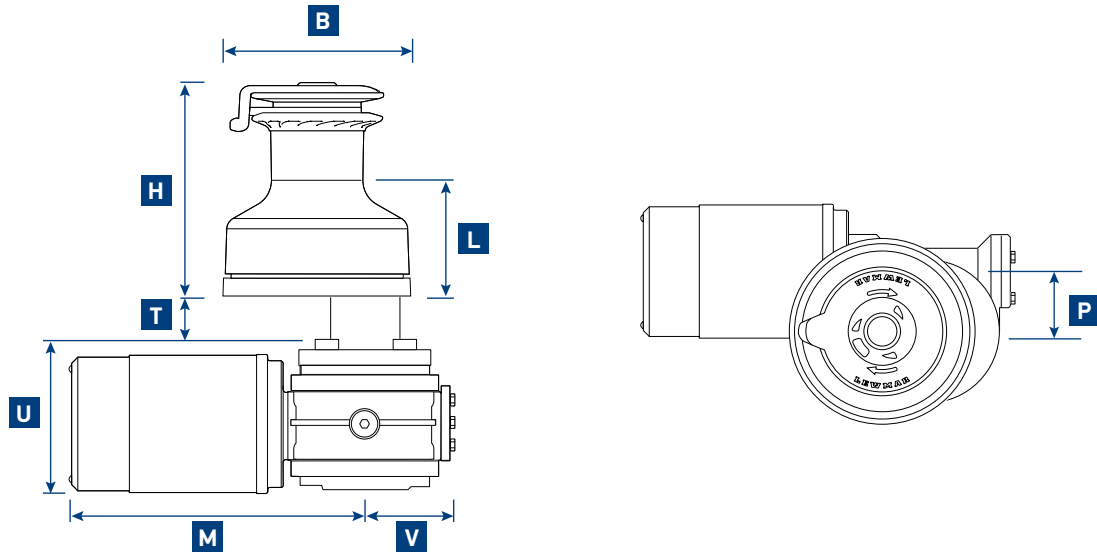
The complete wiring is reduced to connecting the battery and the switch.

PART NUMBER	DESCRIPTION	MOTOR (Watt)	40ST	45ST	50ST
48000211	12V PRE-WIRED M/GBX	700	•	•	•
48000212	24V PRE-WIRED M/GBX	900	•	•	•



Electric Winch Dimensions

When installing a winch, Lewmar recommends the winch be mounted on a level surface and that the rope enters the drum at an angle of 5° to 10° to the base axis of the winch. This angle can be achieved by using a base wedge when mounting the winch.



WINCH SIZE	H HEIGHT		L LINE ENTRY		M		P		T		U		V		B BASE DIA	
	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
40EST	175	6 ⁹ / ₁₀	95	3 ⁴⁹ / ₆₄	239	9 ²⁵ / ₆₄	50	1 ³¹ / ₃₂	34.4	1 ²³ / ₆₄	120.7	2 ³ / ₄	72.5	2 ⁵⁵ / ₆₄	154	6 ¹ / ₁₆
45EST	194	7 ⁵ / ₈	100	3 ⁶¹ / ₆₄	239	9 ²⁵ / ₆₄	50	1 ³¹ / ₃₂	64.4	2 ¹⁷ / ₃₂	120.7	2 ³ / ₄	72.5	2 ⁵⁵ / ₆₄	174	6 ⁵⁵ / ₆₄
50EST	247	9 ² / ₃	105	4 ⁹ / ₆₄	239	9 ²⁵ / ₆₄	50	1 ³¹ / ₃₂	64.4	2 ¹⁷ / ₃₂	120.7	2 ³ / ₄	72.5	2 ⁵⁵ / ₆₄	186	7 ²¹ / ₆₄
55EST	258	10 ¹ / ₈	136	5 ³ / ₈	290	11 ⁷ / ₁₆	62	2 ⁷ / ₁₆	59.5	2 ⁵ / ₁₆	160	6 ¹ / ₄	80	3 ¹ / ₈	209	8 ¹ / ₄
65EST	274	10 ³ / ₄	142	5 ⁹ / ₁₆	290	11 ⁷ / ₁₆	62	2 ⁷ / ₁₆	59.5	2 ⁵ / ₁₆	160	6 ¹ / ₄	80	3 ¹ / ₈	234	9 ¹ / ₄
70EST	274	10 ¹³ / ₁₆	142	5 ⁵ / ₈	290	11 ⁷ / ₁₆	62	2 ⁷ / ₁₆	67.5	2 ¹¹ / ₁₆	160	6 ¹ / ₄	80	3 ¹ / ₈	282	11 ¹ / ₈
70/3EST	319	12 ⁹ / ₁₆	186	7 ⁵ / ₁₆	290	11 ⁷ / ₁₆	62	2 ⁷ / ₁₆	67.5	2 ¹¹ / ₁₆	160	6 ¹ / ₄	80	3 ¹ / ₈	294	11 ⁹ / ₁₆
80EST	320	12 ¹⁰ / ₁₆	174	6 ⁷ / ₈	290	11 ⁷ / ₁₆	62	2 ⁷ / ₁₆	67.5	2 ¹¹ / ₁₆	160	6 ¹ / ₄	80	3 ¹ / ₈	294	11 ⁹ / ₁₆
80/3EST	320	12 ¹⁰ / ₁₆	174	6 ⁷ / ₈	290	11 ⁷ / ₁₆	62	2 ⁷ / ₁₆	67.5	2 ¹¹ / ₁₆	160	6 ¹ / ₄	80	3 ¹ / ₈	294	11 ⁹ / ₁₆
90EST	327	12 ⁷ / ₈	160	6 ¹ / ₄	290	11 ⁷ / ₁₆	62	2 ⁷ / ₁₆	—	—	—	—	—	—	326	12 ³ / ₄

Mounting Instructions

40EST	5 X M6 (1/2 IN) C'SK HEAD SCREWS ON 121MM (4 ³ / ₄ IN) PCD
45EST	5 X M8 (5/16 IN) C'SK HEAD SCREWS ON 136MM (5 ¹¹ / ₃₂ IN) PCD
50EST	6 X M8 (5/16 IN) C'SK HEAD SCREWS ON 150MM (5 ²⁹ / ₃₂ IN) PCD
55EST	6 X M8 (5/16 IN) C'SK HEAD SCREWS ON 165MM (6 ¹ / ₂ IN) PCD
65EST	5 X M10 (3/8 IN) C'SK HEAD SCREWS ON 184MM (7 ¹ / ₄ IN) PCD
70EST	6 X M10 (3/8 IN) C'SK HEAD SCREWS ON 241MM (9 ¹ / ₂ IN) PCD
70/3EST	6 X M10 (3/8 IN) C'SK HEAD SCREWS ON 241MM (9 ¹ / ₂ IN) PCD
80EST	6 X M10 (3/8 IN) C'SK HEAD SCREWS ON 241MM (9 ¹ / ₂ IN) PCD
80/3EST	6 X M10 (3/8 IN) C'SK HEAD SCREWS ON 241MM (9 ¹ / ₂ IN) PCD
90/3EST	8 X M10 (3/8 IN) C'SK HEAD SCREWS ON 270MM (10 ⁵ / ₈ IN) PCD

NOTE: NOT ALL HOLES ARE SYMMETRICAL ON ALL MODELS

6. Winch



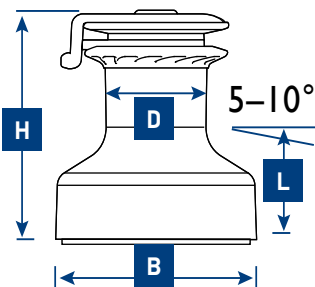
EVO® Race Winches

The new EVO® Race winches combine EVO® architecture with all-new top components to offer a sleek, race look. Significant weight savings are made through the use of an aluminium drum.

- No tools required for servicing
- Cast aluminium feeder arm
- Black anodised drum
- Carbon fibre top inlay feature
- Silver trim band and white decals



Dimensions Diagram EVO® Race Winch



EVO® Race Self-Tailing Winch Specifications

PART NO	SIZE	GEAR RATIO		POWER RATIO		WLL		WEIGHT		D DRUM DIA		B BASE DIA		H HEIGHT		L LINE ENTRY		LINE SIZE	
		1ST	2ND	1ST	2ND	KG	LB	KG	LB	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
49730055	30ST	2:1	4.2:1	13.8:1	29.2:1	685	1510	4	8.8	74	2 ¹⁵ / ₁₆	138	5 ⁷ / ₁₆	145.85	5 ³ / ₄	69	2 ¹¹ / ₁₆	8-12	5 ⁵ / ₁₆ -1 ¹ / ₂
49740055	40ST	1.9:1	5.8:1	13.2:1	40.2:1	795	1753	4.9	10.7	74	2 ¹⁵ / ₁₆	148	5 ¹³ / ₁₆	158.5	6 ¹ / ₄	79	3 ¹ / ₈	8-12	5 ⁵ / ₁₆ -1 ¹ / ₂
49745055	45ST	2.4:1	7.6:1	13.9:1	44.8:1	1200	2646	7.1	15.6	87	3 ⁷ / ₁₆	168	6 ⁵ / ₈	177.7	7	84	3 ⁵ / ₁₆	8-14	5 ⁵ / ₁₆ -9 ¹ / ₁₆
49750055	50ST	2.6:1	9:1	13.9:1	48.6:1	1250	2756	9	19.8	93	3 ⁵ / ₈	181	7 ¹ / ₈	197	7 ³ / ₄	90	3 ¹ / ₂	8-14	5 ⁵ / ₁₆ -9 ¹ / ₁₆
49755055	55ST	2.8:1	11.2:1	13.8:1	54:1	1480	3263	12.2	26.9	105	4 ¹ / ₈	205	8 ¹ / ₁₆	233	9 ¹ / ₃₂	115	4 ¹ / ₂	8-16	5 ⁵ / ₁₆ -5 ⁵ / ₈



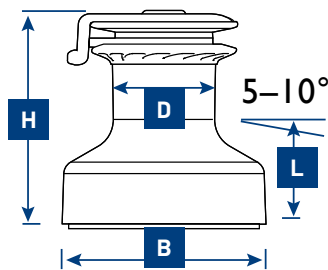
Lewmar EVO® Race+™ Winch

Lewmar's EVO® Race+™ winches use a lightweight cast aluminium base stem and machined aluminium upper stem, together with other advanced material choices, to offer significant weight savings over standard EVO® winches.

- Lightweight centre stem
- "No tools" servicing
- Lightened main spindle
- Carbon fibre inlay
- Cast aluminium feeder arm
- Silver trim stripe
- Composite bearing technology
- White pad-printed decals
- Black anodised drum



Dimensions Diagram EVO® Race+™ Winch



EVO® Race+™ Self-Tailing Winch Specifications

PART NO	SIZE	GEAR RATIO		POWER RATIO		WLL		WEIGHT		D DRUM DIA		B BASE DIA		H HEIGHT		L LINE ENTRY		LINE SIZE	
		1ST	2ND	1ST	2ND	KG	LB	KG	LB	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
49940055	40ST	1.9:1	5.8:1	13.2:1	40.2:1	795	1753	3.6	7.9	74	2 ¹⁵ / ₁₆	148	5 ¹³ / ₁₆	158.5	6 ¹ / ₄	79	3 ¹ / ₈	8-12	5 ¹ / ₁₆ -1 ¹ / ₂
49945055	45ST	2.4:1	7.6:1	13.9:1	44.8:1	1200	2646	4.8	10.5	87	3 ⁷ / ₁₆	168	6 ⁵ / ₈	177.7	7	84	3 ⁵ / ₁₆	8-14	5 ¹ / ₁₆ -9 ¹ / ₁₆
49950055	50ST	2.6:1	9:1	13.9:1	48.6:1	1250	2756	6.3	13.9	93	3 ⁵ / ₈	181	7 ¹ / ₈	197	7 ³ / ₄	90	3 ¹ / ₂	8-14	5 ¹ / ₁₆ -9 ¹ / ₁₆
49955055	55ST	2.8:1	11.2:1	13.8:1	54:1	1480	3263	8.3	18.3	105	4 1/8	205	8 1/16	250	9 ¹³ / ₁₆	115	4 1/2	8-16	5 ¹ / ₁₆ -5/8

6. Winch



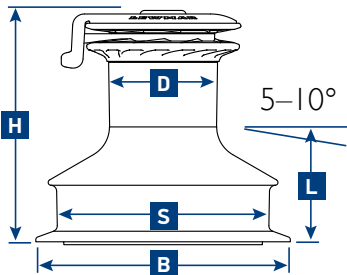
EVO® Speed Ring Winch

EVO® Speed Ring racing winches offer all the features of the EVO® Range with the additional benefit of two drum diameters. The larger drum offers increased line speeds associated with fast asymmetric spinnaker gybes or hoists while the standard size drum allows fine tuning, removing the need for additional winches.

- Easy servicing – no tools required
- Available in black or grey alloy finish
- Features two drum diameters for greater control



Dimensions Diagram EVO® Speed Ring Winch



EVO® Speed Ring Winch Specifications

PART NO	SIZE	FINISH	GEAR RATIO		POWER RATIO		SPEED RING POWER RATIO		WLL		WEIGHT		D DRUM DIA		S SPEED RING DIA		B BASE DIA		H HEIGHT		L LINE ENTRY		LINE SIZE	
			1ST	2ND	1ST	2ND	1ST	2ND	KG	LB	KG	LB	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
49540085	40	BLACK	1.9:1	5.8:1	13.2:1	40.2:1	6.6:1	20.3:1	795	1753	4.9	10.7	74	2 ¹⁵ / ₁₆	145.5	5 ³ / ₄	148	5 ¹³ / ₁₆	158.5	6 ¹ / ₄	79	3 ¹ / ₈	8-12	5 ¹⁶ / ₁₆ - ¹ / ₂
49540087	40	GREY	1.9:1	5.8:1	13.2:1	40.2:1	6.6:1	20.3:1	795	1753	4.9	10.7	74	2 ¹⁵ / ₁₆	145.5	5 ³ / ₄	148	5 ¹³ / ₁₆	158.5	6 ¹ / ₄	79	3 ¹ / ₈	8-12	5 ¹⁶ / ₁₆ - ¹ / ₂
49545085	45	BLACK	2.36:1	8.0:1	13.86:1	46.8:1	7:1	22.6:1	1200	2643	7.6	16.7	86.8	3 ⁷ / ₁₆	170.5	6 ³ / ₄	205	8	177.5	7	84.5	3 ⁵ / ₁₆	8-12	5 ¹⁶ / ₁₆ - ¹ / ₂
49545087	45	GREY	2.36:1	8.0:1	13.86:1	46.8:1	7:1	22.6:1	1200	2643	7.6	16.7	86.8	3 ⁷ / ₁₆	170.5	6 ³ / ₄	205	8	177.5	7	84.5	3 ⁵ / ₁₆	8-12	5 ¹⁶ / ₁₆ - ¹ / ₂

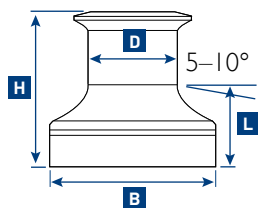


EVO® Sport Winch

The EVO® Sport complements the EVO® Winch Range. Best suited for sport boats requiring constant trimming, and where weight consideration is a premium. The EVO® Sport is also suitable as a mast mounted winch.

- Architecture based on self tailing EVO® Winch
- Tool-free servicing
- Size 30 and 40 can be converted into an EVO® Self tailing winch retrospectively
- Size 40 convertible to electric
- Choice of finishes: Black alloy or Chrome bronze
- Available in size 6 to size 40

Dimensions Diagram EVO® Sport Winch



EVO® Sport Winch Specifications

PART NO	MODEL	FINISH	GEAR RATIO		POWER RATIO		WLL		WEIGHT		D DRUM DIA		B BASE DIA		H HEIGHT		L LINE ENTRY		MOUNTING INSTRUCTIONS
			1ST	2ND	1ST	2ND	KG	LB	KG	LB	MM	IN	MM	IN	MM	IN	MM	IN	
49006075	6	ALLOY BLACK	1:1	-	6.8:1	-	341	752	0.5	1.1	59	2 ⁵ / ₁₆	94	3 ¹¹ / ₁₆	83	3 ¹ / ₄	35.5	1 ³ / ₈	4 X M6 (1/4 IN) C'SK HEAD SCREWS ON 66MM (2 ¹⁹ / ₃₂ IN) PCD
19006100	6	CHROME	1:1	-	6.8:1	-	341	752	1.1	2.4	59	2 ⁵ / ₁₆	94	3 ¹¹ / ₁₆	83	3 ¹ / ₄	35.5	1 ³ / ₈	
49507075	7	ALLOY BLACK	1:1	-	7.9:1	-	341	752	0.8	1.8	65	2 ⁹ / ₁₆	108	4 ¹ / ₄	102	4	40	1 ⁹ / ₁₆	5 X M6 (1/4 IN) C'SK HEAD SCREWS ON 80MM (3 ⁵ / ₃₂ IN) PCD
49507076	7	CHROME	1:1	-	7.9:1	-	341	752	1.7	3.7	65	2 ⁹ / ₁₆	108	4 ¹ / ₄	102	4	40	1 ⁹ / ₁₆	
49508075	8	ALLOY BLACK	1:1	-	7.9:1	-	455	1003	1.4	3.1	65	2 ⁹ / ₁₆	108	4 ¹ / ₄	103	4 ¹ / ₁₆	40	1 ⁹ / ₁₆	5 X M6 (1/4 IN) C'SK HEAD SCREWS ON 80MM (3 ⁵ / ₃₂ IN) PCD
49508076	8	CHROME	1:1	-	7.9:1	-	455	1003	2.3	5.1	65	2 ⁹ / ₁₆	108	4 ¹ / ₄	103	4 ¹ / ₁₆	40	1 ⁹ / ₁₆	
49516075	15	ALLOY BLACK	1:1	2:1	7.9:1	16:1	570	1257	2.1	4.6	67	2 ⁵ / ₈	120	4 ³ / ₄	112	4 ⁷ / ₁₆	55	2 ³ / ₁₆	5 X M6 (1/4 IN) C'SK HEAD SCREWS ON 94MM (3 ¹¹ / ₁₆ IN) PCD
49516076	15	CHROME	1:1	2:1	7.9:1	16:1	570	1257	3.2	7.0	67	2 ⁵ / ₈	120	4 ³ / ₄	112	4 ⁷ / ₁₆	55	2 ³ / ₁₆	
49530075	30	ALLOY BLACK	2:1	4.2:1	13.8:1	29.2:1	685	1510	3.9	8.6	74	2 ¹⁵ / ₁₆	138	5 ⁷ / ₁₆	145.85	5 ³ / ₄	69	2 ¹¹ / ₁₆	5 X M6 (1/2 IN) C'SK HEAD SCREWS ON 113MM (4 ¹⁹ / ₃₂ IN) PCD
49530076	30	CHROME	2:1	4.2:1	13.8:1	29.2:1	685	1510	5.8	12.8	74	2 ¹⁵ / ₁₆	138	5 ⁷ / ₁₆	145.85	5 ³ / ₄	69	2 ¹¹ / ₁₆	
49540075	40	ALLOY BLACK	1.9:1	5.8:1	13.2:1	40.2:1	795	1753	5.5	12.1	74	2 ¹⁵ / ₁₆	148	5 ¹³ / ₁₆	158.5	6 ¹ / ₄	79	3 ¹ / ₈	5 X M6 (1/2 IN) C'SK HEAD SCREWS ON 121MM (4 ⁷ / ₁₆ IN) PCD
49540076	40	CHROME	1.9:1	5.8:1	13.2:1	40.2:1	795	1753	7	15.4	74	2 ¹⁵ / ₁₆	148	5 ¹³ / ₁₆	158.5	6 ¹ / ₄	79	3 ¹ / ₈	

6. Winch



Ocean Self-Tailing Winches

Lewmar's Ocean winch range is the most popular winch ever made. Its styling still attracts boat builders looking for a classic look, or boat owners looking to upgrade or replace their existing winches.

- Easy Servicing – no tools required
- Bronze finish also available - contact your retailer
- Convertable to electric from size 40 upwards
- Available in Size 16 to Size 65
- Solid construction respected by boat builders and sailors for generations



Ocean Self-Tailing Winch Specifications

PART NO	MODEL	FINISH	GEAR RATIO			POWER RATIO			WLL		WEIGHT		DRUM DIA		BASE DIA		HEIGHT		ENTRY LINE		LINE SIZE	
			1ST	2ND	3RD	1ST	2ND	3RD	KG	LB	KGW	LB	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
49016000	16ST	ALLOY GREY	2:1	-		15.8:1	-		570	1257	2.9	6.4	65.7	2 ⁹ / ₁₆	121	4 ³ / ₄	145.5	5 ³ / ₄	58	2 ⁵ / ₁₆	8-12	5 ¹ / ₁₆ -1 ¹ / ₂
49016001	16ST	CHROME BRONZE	2:1	-		15.8:1	-		570	1257	3.9	8.6	65.7	2 ⁹ / ₁₆	121	4 ³ / ₄	145.5	5 ³ / ₄	58	2 ⁵ / ₁₆	8-12	5 ¹ / ₁₆ -1 ¹ / ₂
49030000	30ST	ALLOY GREY	2:1	4.2:1		13.8:1	29.2:1		685	1510	4.2	9.2	74	2 ¹⁵ / ₁₆	138	5 ⁵ / ₁₆	160.5	6 ⁵ / ₁₆	69	2 ¹¹ / ₁₆	8-12	5 ¹ / ₁₆ -1 ¹ / ₂
49030001	30ST	CHROME BRONZE	2:1	4.2:1		13.8:1	29.2:1		685	1510	5.6	12.3	74	2 ¹⁵ / ₁₆	138	5 ⁵ / ₁₆	160.5	6 ⁵ / ₁₆	69	2 ¹¹ / ₁₆	8-12	5 ¹ / ₁₆ -1 ¹ / ₂
49040055	40ST	ALLOY GREY	1.9:1	5.8:1		13.2:1	40.2:1		795	1753	4.9	10.7	74	2 ¹⁵ / ₁₆	148	5 ¹³ / ₁₆	173	6 ¹³ / ₁₆	79	3 ¹ / ₈	8-12	5 ¹ / ₁₆ -1 ¹ / ₂
49040056	40ST	CHROME BRONZE	1.9:1	5.8:1		13.2:1	40.2:1		795	1753	6.5	14.3	74	2 ¹⁵ / ₁₆	148	5 ¹³ / ₁₆	173	6 ¹³ / ₁₆	79	3 ¹ / ₈	8-12	5 ¹ / ₁₆ -1 ¹ / ₂
49046055	46ST	ALLOY GREY	2.4:1	7.6:1		13.9:1	44.8:1		1200	2646	7.2	15.8	87	3 ⁷ / ₁₆	168	6 ⁵ / ₈	192	7 ⁹ / ₁₆	84	3 ⁵ / ₁₆	8-14	5 ¹ / ₁₆ -9 ¹ / ₁₆
49046056	46ST	CHROME BRONZE	2.4:1	7.6:1		13.9:1	44.8:1		1200	2646	9.7	21.3	87	3 ⁷ / ₁₆	168	6 ⁵ / ₈	192	7 ⁹ / ₁₆	84	3 ⁵ / ₁₆	8-14	5 ¹ / ₁₆ -9 ¹ / ₁₆
49048055	48ST	ALLOY GREY	2.6:1	9:1		13.9:1	48.6:1		1250	2756	8.8	19.4	93	3 ⁵ / ₈	181	7 ¹ / ₈	208	8 ³ / ₁₆	86	3 ³ / ₈	8-14	5 ¹ / ₁₆ -9 ¹ / ₁₆
49048056	48ST	CHROME BRONZE	2.6:1	9:1		13.9:1	48.6:1		1250	2756	12.1	26.7	93	3 ⁵ / ₈	181	7 ¹ / ₈	208	8 ³ / ₁₆	86	3 ³ / ₈	8-14	5 ¹ / ₁₆ -9 ¹ / ₁₆
49050000	50ST	ALLOY GREY	2.8:1	10.5:1		13.8:1	50.6:1		1250	2756	11.3	24.9	105	4 ¹ / ₈	200	7 ⁷ / ₈	238	9 ³ / ₈	106	4 ³ / ₁₆	8-16	5 ¹ / ₁₆ -5 ⁵ / ₈
49050001	50ST	CHROME BRONZE	2.8:1	10.5:1		13.8:1	50.6:1		1250	2756	16.3	35.9	105	4 ¹ / ₈	200	7 ⁷ / ₈	238	9 ³ / ₈	106	4 ³ / ₁₆	8-16	5 ¹ / ₁₆ -5 ⁵ / ₈
49054000	54ST	ALLOY GREY	2.8:1	11.2:1		13.8:1	54:1		1480	3263	12.0	26.4	105	4 ¹ / ₈	205	8 ¹ / ₁₆	250	9 ⁷ / ₈	115	4 ¹ / ₂	8-16	5 ¹ / ₁₆ -5 ⁵ / ₈
49054001	54ST	CHROME BRONZE	2.8:1	11.2:1		13.8:1	54:1		1480	3263	17.0	37.5	105	4 ¹ / ₈	205	8 ¹ / ₁₆	250	9 ⁷ / ₈	115	4 ¹ / ₂	8-16	5 ¹ / ₁₆ -5 ⁵ / ₈
49058000	58ST	ALLOY GREY	3.1:1	13.5:1		13.5:1	58.1:1		1600	3524	14.3	31.5	118	4 ⁵ / ₈	228	9	266	10 ¹ / ₂	118.5	4 ¹¹ / ₁₆	8-18	5 ¹ / ₁₆ -1 ¹ / ₁₆
49058001	58ST	CHROME BRONZE	3.1:1	13.5:1		13.5:1	58.1:1		1600	3524	20.8	45.8	118	4 ⁵ / ₈	228	9	266	10 ¹ / ₂	118.5	4 ¹¹ / ₁₆	8-18	5 ¹ / ₁₆ -1 ¹ / ₁₆
49065000	65ST	ALLOY GREY	3.1:1	15.3:1		13.4:1	66:1		1700	3748	16.6	36.5	118	4 ⁵ / ₈	231	9 ¹ / ₈	271	10 ¹¹ / ₁₆	121.5	4 ¹³ / ₁₆	8-18	5 ¹ / ₁₆ -1 ¹ / ₁₆
49065001	65ST	CHROME BRONZE	3.1:1	15.3:1		13.4:1	66:1		1700	3748	23.8	52.4	118	4 ⁵ / ₈	231	9 ¹ / ₈	271	10 ¹¹ / ₁₆	121.5	4 ¹³ / ₁₆	8-18	5 ¹ / ₁₆ -1 ¹ / ₁₆
49066000	68ST	ALLOY GREY	5.8:1	18.8:1		20.9:1	67.6:1		3000	6614	20	44	141	5 ⁹ / ₁₆	282	11 ¹ / ₈	302	11 ⁷ / ₈	142	5 ⁵ / ₈	10-20	3 ³ / ₈ -3 ³ / ₄
49066001	68ST	CHROME BRONZE	5.8:1	18.8:1		20.9:1	67.6:1		3000	6614	26.8	59	141	5 ⁹ / ₁₆	282	11 ¹ / ₈	302	11 ⁷ / ₈	142	5 ⁵ / ₈	10-20	3 ³ / ₈ -3 ³ / ₄
49066005	68ST 3	ALLOY GREY	2.8:1	8:1	19.3:1	9.9:1	29:1	69.3:1	3000	6614	22.0	48.4	141	5 ⁹ / ₁₆	294	11 ⁵ / ₈	348	13 ³ / ₄	186.4	7 ³ / ₈	10-20	3 ³ / ₈ -3 ³ / ₄
49066006	68ST 3	CHROME BRONZE	2.8:1	8:1	19.3:1	9.9:1	29:1	69.3:1	3000	6614	28.8	63.4	141	5 ⁹ / ₁₆	294	11 ⁵ / ₈	348	13 ³ / ₄	186.4	7 ³ / ₈	10-20	3 ³ / ₈ -3 ³ / ₄
49077000	77ST	ALLOY GREY	8:1	27:1		23:1	77:1		3500	7716	23.8	52.4	178	7	294	11 ⁵ / ₈	348	13 ³ / ₄	174	6 ⁷ / ₈	12-22	1 ¹ / ₂ -7 ⁷ / ₈
49077001	77ST	CHROME BRONZE	8:1	27:1		23:1	77:1		3500	7716	30.6	67.3	178	7	294	11 ⁵ / ₈	348	13 ³ / ₄	174	6 ⁷ / ₈	12-22	1 ¹ / ₂ -7 ⁷ / ₈
49077005	77ST 3	ALLOY GREY	2.8:1	8:1	27:1	7.9:1	23:1	77:1	3500	7716	25.8	56.8	178	7	294	11 ⁵ / ₈	348	13 ³ / ₄	174	6 ⁷ / ₈	12-22	1 ¹ / ₂ -7 ⁷ / ₈
49077006	77ST 3	CHROME BRONZE	2.8:1	8:1	27:1	7.9:1	23:1	77:1	3500	7716	32.8	72.2	178	7	294	11 ⁵ / ₈	348	13 ³ / ₄	174	6 ⁷ / ₈	12-22	1 ¹ / ₂ -7 ⁷ / ₈



Mounting Instructions

OCEAN 16ST	5 X M6 (1/4 IN) C'SK HEAD SCREWS ON 94MM (3 11/16 IN) PCD
OCEAN 30ST	5 X M6 (1/4 IN) C'SK HEAD SCREWS ON 113MM (4 5/32 IN) PCD
OCEAN 40ST	5 X M6 (1/4 IN) C'SK HEAD SCREWS ON 121MM (4 3/4 IN) PCD
OCEAN 46ST	5 X M8 (5/16 IN) C'SK HEAD SCREWS ON 136MM (5 11/32 IN) PCD

OCEAN 48ST	5 X M8 (5/16 IN) C'SK HEAD SCREWS ON 150MM (5 29/32 IN) PCD
OCEAN 50-54ST	6 X M8 (5/16 IN) C'SK HEAD SCREWS ON 165MM (6 1/2 IN) PCD
OCEAN 58-65ST	5 X M10 (3/8 IN) C'SK HEAD SCREWS ON 184MM (7 1/4 IN) PCD



Custom Options

Custom engraving option available on the upper crown for special one-off projects.

Please contact custom@lewmar.com for more details

Ocean Winch Electric Conversion Kit

Upgrade your manual winch to an electric model with the Ocean upgrade kit. The kit contains all you need to convert your existing manual winch to an electric powered version.

Kit includes



PART NUMBER	DESCRIPTION
48040300	40ST 12V 'E' CONVERSION KIT
48046300	46ST 12V 'E' CONVERSION KIT
48048300	48ST 12V 'E' CONVERSION KIT
48050300	50ST 12V 'ELS' CONVERSION KIT
48054300	54ST 12V 'ELS' CONVERSION KIT
48058300	58ST 12V 'ELS' CONVERSION KIT
48065300	65ST 12V 'ELS' CONVERSION KIT

6. Winch



High Performance Winch Range

40-65 EVO® High Performance Electric Range

With sailboat market trends focussed on easier sail handling and operation, there has been a significant increase in the quantity of electric winches being used on board.

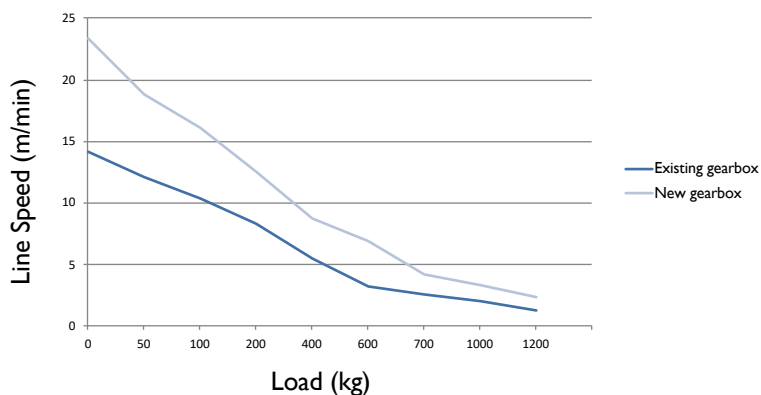
Lewmar have developed a new, high performance solution, combining our EVO® deck unit with an optimised and upgraded motor gearbox package. In its high performance configuration, the EVO® can achieve an increase of up to 35% in line speed with up to 20% higher max pull.

The winch range is available in a variety of finishes including aluminium and chrome designs, offering tool-free servicing.

The high performance power unit is fully compatible with the existing EVO® electric range and is available as an optional upgrade from either manual winch or the conversion of an existing electric EVO®.



EVO 45 Electric Performance





65 EVO® High Performance 2-Speed Electric Winch

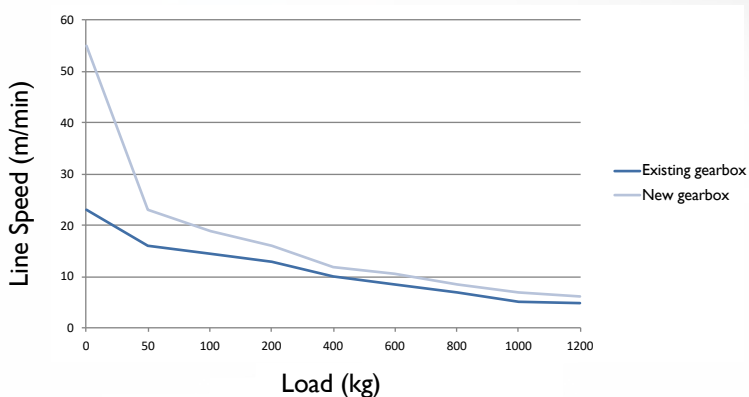
Lewmar have further expanded our winch capabilities by developing a revolutionary 2-speed electric winch. Using innovative gearing design, Lewmar have built upon the strong EVO® platform to create a performance product with incredible versatility.

In both electric and manual modes, the 65 EVO® 2-speed is designed for smoother trimming under high loads at faster line speeds.

- Increased line speed (43m/min)
- Increased pulling loads (2200kg WLL)
- Optional twin or single button fast sheet and slow trimming controls



EVO 65 Electric Performance



6. Winch



Hydraulic Winches

Lewmar's hydraulic powered winches combine the benefits of electric winches with system integration. The installation of a cost-effective, multi-function hydraulic system on boats over 15m (50ft) enables short-handed sailing through push-button control of winches and other integrated deck functions.

- Suitable for craft over 15m (50ft)
- Minimal internal space required for compact motor
- Low weight
- Manual override facility
- Quiet operation
- Push button control
- Choice of styling - Ocean traditional style available as well as the modern lines of the EVO® range

Push button control

Combining Lewmar's push button operation and Lewmar's Wavespring self-tailer produces simple hands free sailing whatever sheeting operation is to be carried out.

Manual override

Manual override can be effected simply and quickly through winch handle insertion.

Minimal space and weight

The hydraulic motor is extremely compact ensuring minimal internal space used, while being less obtrusive below deck. All achieved without compromising power.

Quiet operation

By using hydraulic power the winch operation is performed in near silence, adding to your sailing experience.



Hydraulic EVO®
winch

Hydraulic Winch Specifications

OCEAN WINCH PART NO	EVO WINCH PART NO	MODEL	FINISH	APPROXIMATE WEIGHT		LINE SIZE		MOUNTING INSTRUCTIONS
				KG	LB	MM	IN	
49046155	49545100	46HST OCEAN / 45HST EVO	ALLOY GREY	16	34	8-14	$\frac{5}{16}$ - $\frac{9}{16}$	5 X M8 ($\frac{5}{16}$ IN) C'SK HEAD SCREWS ON 136MM ($5\frac{11}{32}$ IN) PCD
49046156	495451**	46HST OCEAN / 45HST EVO	CHROME	18	41	8-14	$\frac{5}{16}$ - $\frac{9}{16}$	
	495451**	45HST EVO	ALLOY BLACK	16	34	8-14	$\frac{5}{16}$ - $\frac{9}{16}$	
49046158		46HST OCEAN	STAINLESS STEEL	18	40	8-14	$\frac{5}{16}$ - $\frac{9}{16}$	
49046159		46HST OCEAN	ALL CHROME	19	42	8-14	$\frac{5}{16}$ - $\frac{9}{16}$	
490481**	49550100	48HST OCEAN / 50HST EVO	ALLOY GREY	17	38	8-14	$\frac{5}{16}$ - $\frac{9}{16}$	6 X M8 ($\frac{5}{16}$ IN) C'SK HEAD SCREWS ON 165MM (6 $\frac{1}{2}$ IN) PCD
49048156	49550101	48HST OCEAN / 50HST EVO	CHROME	21	46	8-14	$\frac{5}{16}$ - $\frac{9}{16}$	
	49550110	50HST EVO	ALLOY BLACK	17	38	8-14	$\frac{5}{16}$ - $\frac{9}{16}$	
49048158		48HST OCEAN	STAINLESS STEEL	20	45	8-14	$\frac{5}{16}$ - $\frac{9}{16}$	
49048159		48HST OCEAN	ALL CHROME	22	48	8-14	$\frac{5}{16}$ - $\frac{9}{16}$	
490501**		50HST OCEAN	ALLOY GREY	20	44	8-16	$\frac{5}{16}$ - $\frac{5}{8}$	6 X M8 ($\frac{5}{16}$ IN) C'SK HEAD SCREWS ON 165MM (6 $\frac{1}{2}$ IN) PCD
49050101		50HST OCEAN	CHROME	25	54	8-16	$\frac{5}{16}$ - $\frac{5}{8}$	
490501**		50HST OCEAN	STAINLESS STEEL	25	55	8-16	$\frac{5}{16}$ - $\frac{5}{8}$	
49050103		50HST OCEAN	ALL CHROME	25	56	8-16	$\frac{5}{16}$ - $\frac{5}{8}$	
49054100	49555100	54HST OCEAN / 55HST EVO	ALLOY GREY	21	45	8-16	$\frac{5}{16}$ - $\frac{5}{8}$	6 X M8 ($\frac{5}{16}$ IN) C'SK HEAD SCREWS ON 165MM (6 $\frac{1}{2}$ IN) PCD
49054101	49555101	54HST OCEAN / 55HST EVO	CHROME	26	58	8-16	$\frac{5}{16}$ - $\frac{5}{8}$	
	495551**	55HST EVO	ALLOY BLACK	21	45	8-16	$\frac{5}{16}$ - $\frac{5}{8}$	
490541**		54HST OCEAN	STAINLESS STEEL	31	67	8-16	$\frac{5}{16}$ - $\frac{5}{8}$	
49054103		54HST OCEAN	ALL CHROME	27	60	8-16	$\frac{5}{16}$ - $\frac{5}{8}$	
49058100		58HST OCEAN	ALLOY GREY	23	50	8-18	$\frac{5}{16}$ - $\frac{11}{16}$	5 X M10 ($\frac{3}{8}$ IN) C'SK HEAD SCREWS ON 184MM (7 $\frac{1}{4}$ IN) PCD
49058101		58HST OCEAN	CHROME	30	67	8-18	$\frac{5}{16}$ - $\frac{11}{16}$	
49058104		58HST OCEAN	STAINLESS STEEL	29	63	8-18	$\frac{5}{16}$ - $\frac{11}{16}$	
49058103		58HST OCEAN	ALL CHROME	31	73	8-18	$\frac{5}{16}$ - $\frac{11}{16}$	
49065100	495651**	65HST OCEAN / EVO	ALLOY GREY	25	55	8-18	$\frac{5}{16}$ - $\frac{11}{16}$	5 X M10 ($\frac{3}{8}$ IN) C'SK HEAD SCREWS ON 184MM (7 $\frac{1}{4}$ IN) PCD
49065101	49565101	65HST OCEAN / EVO	CHROME	32	71	8-18	$\frac{5}{16}$ - $\frac{11}{16}$	
	495651**	65HST EVO	ALLOY BLACK	25	55	8-18	$\frac{5}{16}$ - $\frac{11}{16}$	
49065104		65HST OCEAN	STAINLESS STEEL	32	70	8-18	$\frac{5}{16}$ - $\frac{11}{16}$	
49065103		65HST OCEAN	ALL CHROME	31	73	8-18	$\frac{5}{16}$ - $\frac{11}{16}$	
49068100	495701**	68HST OCEAN / 70HST EVO	ALLOY GREY	29	63	10-20	$\frac{3}{8}$ - $\frac{3}{4}$	6 X M10 ($\frac{3}{8}$ IN) C'SK HEAD SCREWS ON 241MM (9 $\frac{1}{2}$ IN) PCD
49068101	495701**	68HST OCEAN / 70HST EVO	CHROME	35	78	10-20	$\frac{3}{8}$ - $\frac{3}{4}$	
	495701**	70HST EVO	ALLOY BLACK	29	63	10-20	$\frac{3}{8}$ - $\frac{3}{4}$	
49068104		68HST OCEAN	STAINLESS STEEL	34	75	10-20	$\frac{3}{8}$ - $\frac{3}{4}$	
49068103		68HST OCEAN	ALL CHROME	36	80	10-20	$\frac{3}{8}$ - $\frac{3}{4}$	
49068105	495701**	68/3HST OCEAN / 70/3HST EVO	ALLOY GREY	40	88	10-20	$\frac{3}{8}$ - $\frac{3}{4}$	6 X M10 ($\frac{3}{8}$ IN) C'SK HEAD SCREWS ON 241MM (9 $\frac{1}{2}$ IN) PCD
49068106	495701**	68/3HST OCEAN / 70/3HST EVO	CHROME	42	93	10-20	$\frac{3}{8}$ - $\frac{3}{4}$	
	495701**	70/3HST EVO	ALLOY BLACK	40	88	10-20	$\frac{3}{8}$ - $\frac{3}{4}$	
49068109		68/3HST OCEAN	STAINLESS STEEL	40	88	10-20	$\frac{3}{8}$ - $\frac{3}{4}$	
49068108		68/3HST OCEAN	ALL CHROME	42	93	10-20	$\frac{3}{8}$ - $\frac{3}{4}$	
49077100	495801**	77HST OCEAN / 80HST EVO	ALLOY GREY	36	79	12-22	$\frac{1}{2}$ - $\frac{7}{8}$	6 X M10 ($\frac{3}{8}$ IN) C'SK HEAD SCREWS ON 241MM (9 $\frac{1}{2}$ IN) PCD
49077101	49580101	77HST OCEAN / 80HST EVO	CHROME	49	107	12-22	$\frac{1}{2}$ - $\frac{7}{8}$	
	495801**	80HST EVO	ALLOY BLACK	36	79	12-22	$\frac{1}{2}$ - $\frac{7}{8}$	
49077104		77HST OCEAN	STAINLESS STEEL	41	89	12-22	$\frac{1}{2}$ - $\frac{7}{8}$	
49077103		77HST OCEAN	ALL CHROME	49	107	12-22	$\frac{1}{2}$ - $\frac{7}{8}$	
49077105	49580102	77/3HST OCEAN / 80/3HST EVO	ALLOY GREY	42	92	12-22	$\frac{1}{2}$ - $\frac{7}{8}$	6 X M10 ($\frac{3}{8}$ IN) C'SK HEAD SCREWS ON 241MM (9 $\frac{1}{2}$ IN) PCD
49077106	495801**	77/3HST OCEAN / 80/3HST EVO	CHROME	50	110	12-22	$\frac{1}{2}$ - $\frac{7}{8}$	
	495801**	80/3HST EVO	ALLOY BLACK	42	92	12-22	$\frac{1}{2}$ - $\frac{7}{8}$	
49077109		77/3HST OCEAN	STAINLESS STEEL	42	92	12-22	$\frac{1}{2}$ - $\frac{7}{8}$	
49077108		77/3HST OCEAN	ALL CHROME	50	110	12-22	$\frac{1}{2}$ - $\frac{7}{8}$	

6. Winch

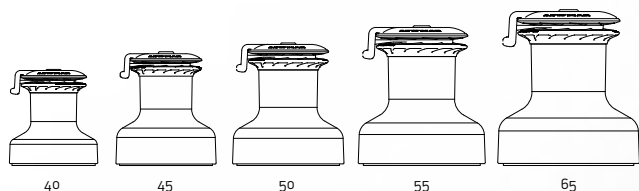


REVO™ Backwinding Winch

Lewmar introduces a complete range of electrically-operated, backwinding winches. With the touch of a button, sailors are able to trim sails both in and out. Push one button and the winch sheets in quickly to the working load limit.

A well-specified motor removes the added complication of switching between slow and fast forward gears. Simply push another button to allow the winch to pay out line. The insertion of a winch handle automatically changes to a familiar two-speed manual operation.

- Available in five sizes (40, 45, 50, 55, 65)
- No modification to the standard bolting pattern and deck cut-outs
- Direct size for size upgrade from a standard electric EVO® winch to a REVO™ winch
- Uses proven winch internals to retain all the benefits of the EVO® Winch
- Simple two button operation, one to pull sheet in and another to pay out
- Operates as a normal two speed manual winch when a winch handle is inserted



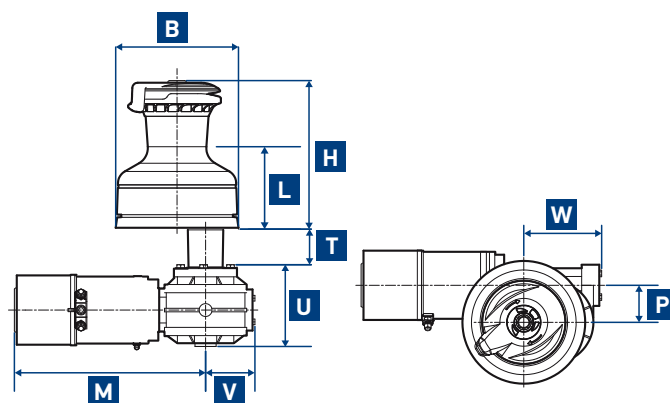


When back-winding, the REVO™ relies on load to strip the rope off the drum, thus avoiding tangles and ensuring rope is only released in the right circumstance.

In order to maximise the performance of the REVO™ winch, applications with minimal mechanical advantage are best, such as genoa/gennaker sheets. Purchase mainsheet systems may present too little load for the backwind feature to work.

In addition, small diameter, hi-tech lines are recommended.

Dimensions Diagram REVO™ Winch



SIZE	M		P		T		U		V		W	
	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
40	306	12 1/16	50	1 31/32	35	1 3/8	127	5	73	2 7/8	111	4 3/8
45	306	12 1/16	50	1 31/32	65	2 9/16	127	5	73	2 7/8	115	4 17/32
50	306	12 1/16	50	1 31/32	65	2 9/16	127	5	73	2 7/8	117	4 5/8
55	325	12 13/16	63	2 15/32	61	2 13/32	139	5 15/32	84	3 5/16	133	5 1/4
65	325	12 13/16	63	2 15/32	61	2 13/32	139	5 15/32	84	3 5/16	137	5 13/32

REVO™ Winch Specifications

SIZE	ALLOY BLACK	ALLOY GREY	CHROME	WLL		WEIGHT ALLOY		WEIGHT CHROME		MTR/GBOX	MOTOR WATTS	B BASE DIA		H HEIGHT		L LINE ENTRY	
				KG	LB	KG	LB	KG	LB			MM	IN	MM	IN	MM	IN
40	48340210	48340200	48340201	795	1749	18.8	41.4	20.5	45.1	48300014	700	154	6 1/16	179	6 15/16	98	3 7/8
45	48345210	48345200	48345201	1200	2640	23.1	50.8	25.6	56.3	48300014	700	174	6 27/32	193	7 19/32	103	4 1/16
50	48350210	48350200	48350201	1250	2750	25.7	56.5	29.1	64.0	48300014	700	186	7 11/32	215	8 15/32	109	4 9/32
55	48355210	48355200	48355201	1480	3256	30	66.0	35.8	78.8	48300016	1600	209	8 1/4	253	9 31/32	140	5 1/2
65	48365210	48365200	48365201	1700	3740	34.6	76.1	41.8	92.0	48300016	1600	234	9 7/32	268	10 9/16	144	5 11/16