



ELECTRIC DRIVE SOLUTIONS

# MARLIN

## SINGLE DRIVE (10-50 hp)

### OVERVIEW

Experience the quiet and clean life on the water with the Lynch Motor Marlin Single Marine Drive System. A pure brushed DC electric motor offering up to 50 hp of high-performance.

### KEY FEATURES

- 10-50 hp (5 kW, 8 kW, 13 kW)
- Easy to install
- 5 kW / 8 kW / 10 kW / 13 kW Output
- Highly reliable, low cost, long life solution
- 48 V input & 72 V input
- Servicing and maintenance available at source
- Belt tensioner
- Quiet & efficient

### WHAT'S INCLUDED

- Electric DC motor
- Leads & installation manual
- Controller assembly
- Throttle
- Display
- Motor frame / direct drive & gear assembly
- Batteries and charger not included

### APPLICATION



Marine



### LIGHT WEIGHT

21 Kg Weight

### EFFICIENT

Up to 93% efficiency

### RELIABLE

Brush life of 7500 hours

### ECO FRIENDLY

No emissions, no fuel

### POWERFUL

10-50 hp (5, 8 & 13 kW)

### LOW COST

Save on fuel bills

**Intelligent Display**

Key ignition with voltage, battery capacity and available range

**Standard throttle**

One direction setting or neutral position with forward and reverse. Can be top or side mounted

**Lynch dual throttle**

Available for use in catamarans and twin prop applications

**Marlin - Marine drive system specifications**

Model	Marlin 5	Marlin 8	Marlin 10	Marlin 13
Engine Size	10-20 hp	17-25 hp	25-35 hp	35-50 hp
Size	20-30ft / <40ft	28-35ft / 35-60ft	35-60ft	35-60ft / 60ft
Motor Size	LEM 200-D135	LEM 200-D135	LEM 200-95	LEM 200-D135
Voltage	48 V	48 V	48 V	48 V
Current	120 amps	180 amps	220 amps	200 amps
Power Output	5 kW	8 kW	10 kW	13 kW
Average Efficiency	90%	90%	88%	90%
Battery Recharge Function	Yes	Yes	Yes	Yes
Rated Speed Engine	2160 RPM	2160 RPM	3500 RPM	3240 RPM
Rated Torque	18 Nm	26 Nm	24 Nm	36 Nm
Speed Constant	45 RPM/V	45 RPM/V	81 RPM/V	45 RPM/V
Peak Current	650 amps	350 amps	400 amps	450 amps
Peak Torque	38 Nm	44 Nm	52 Nm	72 Nm
Reduction Gearing Standard	22 : 48	22 : 48	22 : 72	22 : 56
Reduction Gearing Options	22 : 56 & 22 : 72	22 : 56 & 22 : 72	22 : 90	22 : 72 & 22: 90
Standard RPM Propeller Shaft	1020 RPM	1020 RPM	1100 RPM	1270 RPM
Optional RPM Propeller Shaft	848 RPM	848 RPM	875 RPM	990 RPM
Optional RPM Propeller Shaft	660 RPM	660 RPM		790 RPM
Weight of Motor & Frame	21 Kg	21 Kg	21 Kg	21 Kg
Weight of Control Box	Medium 14 Kg	Medium 14 Kg	Large 18 Kg	Large 18 Kg

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**2 YEAR EXTENDABLE WARRANTY  
WITH ALL OF OUR MOTORS**