



ELECTRIC DRIVE SOLUTIONS

# RED SNAPPER

## HYBRID | MARINE DRIVE SYSTEM

### OVERVIEW

The hybrid system is designed to match the standard cruising speed of the combustion engine. Higher engine speeds are then expected to be available to help recharge the battery source when operating the electric motor in generator mode. Electric-only drive mode will provide a maximum speed to allow the vessel to reach standard cruising speed.

### KEY FEATURES

- Works with your current engine
- Highly reliable, low cost, long life solution
- Servicing and maintenance available at source
- Simple to install
- System manufactured in Devon
- Cheaper to run
- Complies to waterway legislations
- Quiet to run

### THE SYSTEM

Designed for typical cruising speeds on inland, national and international waterways. Each system is 48 V, the systems are designed for the motor to couple directly to the prop shaft. The system will fit most vessels dependent on engine bay size.

### APPLICATION



Marine



### EASY INSTALL

'Drop in' hybrid system

### EFFICIENT

Up to 93% efficiency

### RELIABLE

Limited moving parts

### ECO FRIENDLY

No emissions, no fuel

### POWERFUL

48 V, 17 - 35 hp Motor

### LOW COST

Save on fuel bills



### Two mode system

Enables hybrid, electric or combustion engine powered options

### Standard throttle

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

### Battery monitoring

Automatically disengages the clutch when charging outside the predefined limits or batteries are near full capacity

### Bespoke display

Monitor all parameters. Optional NMEA 2000 interface

### 'Soft start' clutch control

Built in as standard to minimise wear

### Battery recharging

Can be used in generator mode to charge batteries. Please request further details

## Red Snapper - Hybrid - Marine drive system specifications

| Motor Size   | LEM-200-D95 O/F    | LEM-200-D135 O/F   | LEM-240-131 O/F    |
|--------------|--------------------|--------------------|--------------------|
| Power Output | 10 kW              | 8 kW               | 12 kW              |
| Engine Size  | 25-30 hp           | 17-25 hp           | 30-35 hp           |
| Current      | 220 amps           | 180 amps           | 250 amps           |
| Voltage      | 48 V               | 48 V               | 48 V               |
| Efficiency   | 90%                | 90%                | 90%                |
| Torque       | Dependent on ratio | Dependent on ratio | Dependent on ratio |
|              | Belt reduction     | Belt reduction     | Belt reduction     |

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