

SOUNDINGS Trade Only[®]

June 2013

WWW.TRADEONLYTODAY.COM

Clean, Quiet Marine Power with Zero Carbon Emissions

Elco Motor Yachts has been leading the way in clean, efficient electric propulsion for sail and powerboats since 1893. Based in Athens, N.Y., the company designs and builds eco-friendly products that reduce dependency on fossil fuels and eliminate the noise, emissions, maintenance and risk associated with traditional marine engines.

In short; Elco has been the choice of environmentally conscious boat owners and builders around the world for the past 120 years.

"Elco Motor Yachts produces the most highly advanced and innovative electric motors made in the USA, along with some of the finest electric launches," said Kevin Kearns, Elco senior vice president. "As a predecessor company for both General Dynamics Corp. and Electric Boat Co., Elco stands among the most significant companies in American boating history."

Whether they're installed on a new boat or purchased to repower an older watercraft, Elco electric EP motors offer extraordinary benefits over traditional marine power options, including:

- No exhaust fumes produced
- Silent motor operation – no noise pollution
- Recyclable batteries
- Zero carbon footprint if charged by the solar or wind power options
- Cruise all day and charge the batteries overnight for just pennies



Elco's EP Motor is the first fully integrated electric boat, motor and drive system.



- The motor fits standard engine mounts
- Never needs a tune-up; no need to winterize
- Available for conventional shaft connection applications and sail drive units
- The motor is encased and water-resistant
- The patented enclosure ensures that the motor runs cool so it won't heat up the cabin.

- Great reliability, with an operational service life of 50,000+ hours before scheduled maintenance.
- More than twice the cruising range of an equivalent diesel engine in a hybrid system.

EP Motor

Elco's EP Motor is the first fully integrated electric boat, motor and drive system. Available in AC technology, Elco brings reliability,

durability, and high efficiency together with ease of both use and installation. The system is ideally suited for sailboats as well as yacht tenders, trawlers, catamarans and launches. Elco offers five EP motor models from 6- to 70-hp, with a 100-hp model coming soon.

W

Centered on Elco's new and improved line of quiet, powerful and efficient AC electric motors, the Elco E Power system includes integrated, environmentally safe solar, wind turbine, hydro turbine and shore power options for recharging the 12-volt AGM and lithium iron batteries. The Elco E Power system is even more advanced than the system featured in the award-winning Elco electric-powered Hunter 27e sailboat.

Fully charged, the lithium batteries will provide up to eight hours of propulsion, allowing the Elco AC motor to meet or exceed the duration and speed standards of traditional gas and diesel systems. The Elco E Power system is fully equipped with advanced integrated components. Included with the motor enclosure are: throttle, E-Gauge IV, ignition key, power light, power boost button, inverter, controller, fuses, wiring harness, and the Operations Manual.

Hunter Hybrid

Elco showcased its EP4000 AC motor on the new Hunter e36 Hybrid sailboat. "The motor is

88-percent efficient, compared with the 45-percent efficiency offered by most diesel engines and the 25-percent efficiency found in old-style two-stroke gasoline engines," said Kearns. "The cost of an Elco propulsion system is comparable to an equivalent-horsepower diesel system."

The lithium batteries used in the e36 are rated to last six to eight years, and the motor, which is sealed, has just one moving part. With proper use, the engine should require servicing only once every 50,000 hours.

For more information, contact Elco Motor Yachts at 877-411-3526, or visit www.elcomotoryachts.com.



Elco's EP 600 and EP 7000 motors



ELECTRIC PROPULSION

QUIET | POWERFUL | RELIABLE | GREEN | EFFICIENT

Elco makes electrical propulsion systems for sailboats and displacement yachts

from 12' / 4 m - 60' / 18 m



Patent Pending



Electric propulsion since 1893



The Elco powered, Hunter 27e.



find out more about repowering your boat at elcomotoryachts.com 877-411-ELCO