

# Elco Electric Motor Features and Benefits

"Building Quality Boats  
and Electric Motors  
Since 1893"



*A pioneer in electric propulsion  
back in 1893, Elco is again  
leading the way today.*

With 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 use and ease of installation. The system is ideally and responsibly suited for sailboats as well as yacht tenders & launches.

## Economic Benefits

- Cruise all day, charge overnight for pennies – day after day.
- No need for expensive gas/diesel engines, fuel tanks, thru-hull plumbing fittings, exhaust system, electrical harness, transmissions, shifting & throttle cabling assembly, engine instrumentation, fire suppression, ventilation, mechanical blowers, starting battery, noise/vibration dampening insulation material, etc.
- An Elco motor can be installed without needing the boat to be hauled from the water in a few hours by a basic mechanic. No expensive technicians or specialists needed.
- Elco motor fits on standard engine mounts. No customization needed for quick and easy installation.
- Needs no expensive marine fuel or oil. No more seasonal pricing spikes or availability issues.
- Never needs a tune-up. No need to winterize.
- There are two energy gauge options (black&white and full color) display screens.
- No spare parts need to be purchased, stored aboard and replaced periodically due to age or condition.
- Elco motors are made of high quality hardware and components for a long and trouble free operational life cycle.
- Elco motor can be spec to have 50,000 running hours – far longer than the life of gas/diesel engine.
- Enhanced resale value of an Elco motor vs. gas/diesel engine with high running hours.

## Performance Advantages

- The Elco electric motor is available for conventional shaft connections applications and sail drive units.
- The Elco motor is encased and water proof. It can be totally submerged for brief periods.
- Lower operation and maintenance costs of electricity vs. gas/diesel.
- Long term storage – no worry about motor rusting from sitting or non operation.
- Elco motor can be integrated into a hybrid propulsion and charging system.
- Elco motors can be easily sized (horsepower rating) for boats from 15ft to 50+ft.
- Elco motors can be equipped with "Enhanced Power" and "Extended Duration" packages when needed.
- Batteries can be charged with commonly available 120/240 vac, 30/15 amp 60/50 Hz electrical service outlets
- All Elco motor components are "plug-n-play" for quick and easy diagnosis, services and replacement.
- An Elco AC motor is far more efficient (at comparable size and horsepower) than a gas/diesel engine.
- Elco motors are smaller in total size compared to a gas/diesel engine. More space can be given back to the passengers and less space dedicated to the engine compartment and related components.

## Personal Enjoyment

- No gas, no noise, no fumes.
- The Elco motor is silent. You can talk without yelling or just enjoy the quiet. Silent just like under sail power.
- The Elco motor is equipped with a "real time" energy gauge monitoring the current status/consumption of the batteries and remaining cruising duration in hours and minutes. No more uncertainty or guesswork.
- The Elco motor runs cool so it will not heat up your cabin.
- Clean electricity is far more available than marine fuel stations.
- No more fear of onboard fuel fire.
- No more fear of carbon monoxide poisoning.
- The Elco motor is very reliable with only one moving part.
- Your boat will have a clean, non-smelly bilge.
- In an emergency, Elco motor instantly starts where as a gas/diesel engine may have a delay in starting due to many unpredictable factors (fuel, spark, heat, moisture, louse connection, cable linkage, etc).
- An Elco motor has no belts, pulleys or external moving parts where hands could be caught.

## Environmentally Friendly – "Green"

- The Elco motor will never pollute our environment.
- Less dependency on foreign oil
- No oil in the bilge which could be pumped overboard by mistake.
- No exhaust fumes being admitted into the environment
- No noise pollution
- Batteries can be recycled at the end of their life.
- No disposing of used oil required
- Pride of ownership because you are "green"
- Zero carbon footprint if you charge by solar or wind.