

# 9.9 HP Outboard Comparison

## ePropulsion Navy 6.0 Evo vs Mercury FourStroke 9.9 HP



Motor	ePropulsion Navy 6.0 Evo	Mercury FourStroke 9.9 HP
Power	6 kW / 9.9 HP equivalent	9.9 HP
Maintenance Free	✓	✗
Motor Cooling	Natural Cooling	Open Loop Cooling
Outboard Motor Weight	79.4 lbs / 36 kg	84 lbs / 38.1 kg
Total Weight	273.6 lbs / 124.1 kg (incl. E175 battery)	120 lbs / 54.4 kg (incl. 6 gal fuel tank)
Hydrogeneration	✓	✗
Break-in Period	None	10 Hours
Control		
Electric Start	✓	Additional \$450
Information Display	3.4" integrated display with backlight	✗
Max Power Limit	✓	✗
Energy	E175 battery 48V 9kWh	6-gallon fuel tank
Runtime	Full throttle 1.5 hours; Half-speed 5 hours	Entire day
Charging Time	110V 4.5 Hours; 220V 3 Hours	N/A
Cost		
Total Upfront Cost	\$7,728	\$2,315
Annual Maintenance	\$0 / 0 min	\$235 / 90 min
Annual Energy Cost (120 WOT hours)	\$85	\$250
6-Year Cost (120 WOT hours per year)	\$8,238	\$5,225

### Note

- All prices are sales tax excluded. The actual price may vary slightly due to different sub-models.
- The additional \$450 for electric start includes the upgrade cost and starting battery.
- The total weight of Navy 6.0 Evo includes the tiller and battery, charger excluded.

# REASONS FOR NAVY 6.0 EVO

## Environmental Regulation

### Prohibition on gasoline outboards

With Navy 6.0 Evo, you're free to go boating in restricted bodies of water where gasoline boat motors are banned. More lakes are going to ban gasoline outboards in the next few years.

## Great Comfort

### Virtually Silent

Scan the QR code to watch a video clip of Navy 6.0 Evo operating. No noise. It's just you and nature.



### Exhaust-free

Navy 6.0 Evo has no exhaust fumes, protecting the health of you and your families.

### Clean

There's no any oil or fuel leakage from Navy 6.0 Evo. It doesn't stains your hands or clothes, or pollute the water. It's always clean.

## Easy to Use

### Electric Start



Electric Start



Pull Start \*

\*The electric start feature for Mercury FourStroke 9.9 HP normally requires \$450 additional cost.

### Tiller Display



- Battery Level
- Remaining Runtime
- Remaining Distance
- Realtime Power
- Speed

### Reliability

Navy 6.0 Evo is more reliable than gasoline outboards for two reasons.

- Brushless direct-drive motor is made of fewer moving parts and gearless.
- Gasoline outboard engine cooling system problems generally stem from the failure of the impeller by lack of maintenance, or a partial blockage of the waterways by deposits.

## It's time to go electric.

### Maintenance-free

Navy 6.0 Evo is maintenance-free, but Mercury FourStroke 9.9HP requires a serious amount of maintenance for every 100 hours of use once yearly as below:

- Replace gear oil
- Change engine oil
- Replace the spark plug as needed
- Replace the water pump impeller
- Clean the water cooling

### Safety Wristband

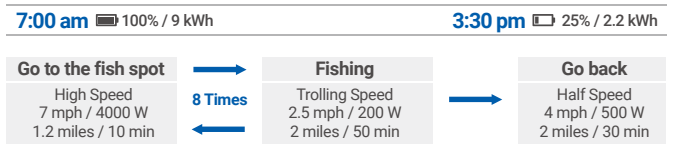
In the case of man overboard, the safety wristband will shut down Navy 6.0 Evo immediately. Navy 6.0 Evo can connect with up to 8 safety wristbands.



## Fishing & Sailing

### Excellent Trolling Speed Range

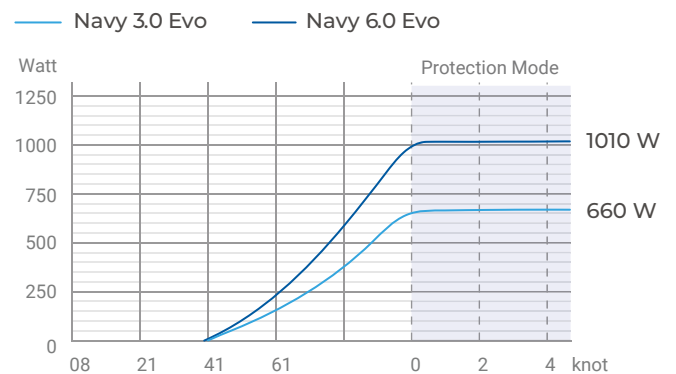
Navy 6.0 Evo has excellent running range at trolling speed. After a regular full day of fishing trip, the E175 battery still has 25% remaining battery capacity.



\*The speed and range is based on a 16-ft Jon boat with two person and one E175 battery.

### Hydrogeneration Output

Navy 6.0 Evo feature hydrogeneration and empower sailors to use renewable energy.



\*The hydrogeneration data is based on real tests with the anti-ventilation plate installed.  
\*Navy 6.0 Evo is tested with the 12.6" x 8.7" three-blade aluminum propeller.