



Electric Outboard

EP-40

U.S. Patent Number 8,912,698

motor performance

Elco EP-40

Boat size ranges	32' - 48'
Horse power diesel equivalency	40 h.p.
Suggested horsepower replacement range	25 - 45 h.p.
Peak kW	29.4 kW
Continuous kW	17 kW
Miles per gallon equivalency	30 mpg
Length	29"
Width	18.82"
Height	18.83"
Weight	400 lbs



ELECTRIC

E-POWER ELECTRIC PERFORMANCE

Cruising speed*	6 - 8 knots
Cruising time*	5 - 2 hours
Cruising range*	30 - 17 nm
Recharging time standard charger*	4-5 hours
Recharging time quick charger*	3-4 hours
Number of 12 volt 8-D batteries (245 Ah)	9 batteries
Battery bank voltage in total	108 vdc
Amps (maximum)	167 amps
Kilowatts (peak output kW rating)	29.4 kW
Kilowatts (continuous output kW rating)	17 kW
Charger	Elcon PFC3000
Quick charger (optional)	Elcon PFC4000



HYBRID

E-POWER HYBRID ELECTRIC PERFORMANCE: OPTIONAL GENERATOR

Genset kilowatt size (AC or DC)*	5 - 12 kW
Typical fuel tank capacity for genset (gallons)	50 gal
Cruising speed*	6 - 8 knots
Cruising time*	76 - 46 hours
Cruising range*	478 - 364 nm
Number of 12 volt 8-D batteries (245 Ah)	9 batteries
Battery bank voltage	108 vdc
Charger(s) required	1 - 2 chargers
Charger	Elcon PFC8000
Genset (continuous output rating)	Fischer Panda PMS 08 DP (6.8kW) or Fischer Panda PMS 6500 (5.5kW) or
	Northern Lights 843NW3 (12kW) or Northern Lights M773LW3 (9kW)

*Actual performance may vary based on operating conditions, figures above when traveling between 60-80% of hull speed. **Shore power-50% depth of discharge
To convert from nautical miles (nm) to statute miles multiply nm by 1.15. With Electric Hybrid system additional kilowatts should be added depending on house loads (1,000 watts equals 1kW)