



Electric Outboard

EP-70

motor performance Elco EP-70

U.S. Patent Number 8,912,698

Boat size ranges	38' - 56'
Horse power diesel equivalency	70 h.p.
Suggested horsepower replacement range	45 - 85 h.p.
Peak kW	51.5 kW
Continuous kW	29.75 kW
Miles per gallon equivalency	33 mpg
Length	35"
Width	18.82"
Height	19.25"
Weight	650 lbs



ELECTRIC

E-POWER ELECTRIC PERFORMANCE

Cruising speed*	7 - 8.5 knots
Cruising time*	6 - 2 hours
Cruising range*	36 - 20 nm
Recharging time standard charger*	3 - 4 hours
Recharging time quick charger*	2 - 3 hours
Number of 12 volt 8-D batteries (245 Ah)	9 batteries
Battery bank voltage in total	108 vdc
Amps (maximum)	275 amps
Kilowatts (peak output kW rating)	51.5 kW
Kilowatts (continuous output kW rating)	29.75 kW
Charger	Elcon PFC4000
Quick charger (optional)	Elcon PFC5000



HYBRID

E-POWER HYBRID ELECTRIC PERFORMANCE: OPTIONAL GENERATOR

Genset kilowatt size (AC or DC)*	8 - 18 kW
Typical fuel tank capacity for genset (gallons)	75 gal
Cruising speed*	7 - 8.5 knots
Cruising time*	70 - 42 hours
Cruising range*	490 - 365 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)	Northern Lights M844LW3 (16kW) or Fischer Panda PMS 15 DP (14.1kW) Fischer Panda PMS 12 DP (10.4kW)

*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)