



Electric Outboard

EP-20

motor performance

Elco EP-20

U.S. Patent Number 8,912,698

Boat size ranges	25' - 40'
Horse power diesel equivalency	20 h.p.
Suggested horsepower replacement range	15 - 25 h.p.
Peak kW	14.1 kW
Continuous kW	8.5 kW
Miles per gallon equivalency	50 mpg
Length	21"
Width	16.22"
Height	18.32"
Weight	260 lbs



E-POWER ELECTRIC PERFORMANCE

Cruising speed*	5.5 - 7 knots
Cruising time*	6 - 3 hours
Cruising range*	34 - 19 nm
Recharging time standard charger*	4 - 5 hours
Recharging time quick charger*	3 - 4 hours
Number of 12 volt 8-D batteries (245 Ah)	6 batteries
Battery bank voltage in total	72 vdc
Amps (maximum)	118 amps
Kilowatts (peak output kW rating)	14.7 kW
Kilowatts (continuous output kW rating)	8.5 kW
Charger	Elcon PFC2000
Quick charger (optional)	Elcon PFC3000

ELECTRIC



E-POWER HYBRID ELECTRIC PERFORMANCE: OPTIONAL GENERATOR

Genset kilowatt size (AC or DC)*	2.5 - 5 kW
Typical fuel tank capacity for genset (gallons)	30 gal
Cruising speed*	5.5 - 7 knots
Cruising time*	98 - 58 hours
Cruising range*	548 - 406 nm
Number of 12 volt 8-D batteries (245 Ah)	6 batteries
Battery bank voltage	72 vdc
Charger(s) required	1 charger
Charger	Elcon PFC5000
Genset (continuous output rating)	Northern Lights M673LD3 (5kW) or Fischer Panda PMS 4200 Plus (3.8kW)

HYBRID

*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)