



# ELECTRIC PROPULSION

motor performance guide



Patent Pending

# EP-7000

## Elco EP-7000

### MOTOR SPECIFICATIONS

Length	35"
Width	18.82"
Height	19.25"
Weight	650 lbs
Motor service life (estimated)	50,000 hrs
Limited Warranty	Details provided on the Elco Motor Yacht website and Owners Manual

### ELECTRICAL SYSTEM

Volts	108 vdc
Amp/hrs	220 amp/hrs
Number of batteries	9
Battery weight <small>(95-135 lbs each - Lithium Wet Cell, AGM, Lithium Iron Phosphate)</small>	1,037-2,072 lbs (total)
Charger(s)	3x36 volt
Plug-in-play components	3
enGauge IV display panel	yes
enGauge VII full color display panel with video	optional
Water resistant	IP55
Battery service life (Flooded wet cell)**	5 yrs
Battery service life (AGM)**	4-6 yrs
Battery service life (lithium iron phosphate)**	10-15 yrs
Generator (electrical recharge)	yes
Generator (continuous running)	yes

### PERFORMANCE

Boat size (recommended)	38' to 56'
Cruising range/duration @ 4 knots*	3-4 hrs
Cruising range/duration @ 5 knots*	2-3 hrs
Cruising range/duration @ full speed *	1-2 hrs
Recharging time (shore power)	1- 5 hrs typical maximum of 50% depth of discharge
Recharging (solar)	yes
Recharging (wind)	yes
RPM (designed/max)	1,500 rpm
Power boost	1,800 rpm
Horse power diesel equivalency	70 hp
Kilowatts	35 kW
MPG equivalency (estimated)	33 mpg

\*Performance is based on battery power only - Run time can be continuous with Genset

\*\*Actual life based upon battery use and maintenance