



ELECTRIC PROPULSION

QUIET | POWERFUL | RELIABLE | GREEN | EFFICIENT



ELCO MOTOR YACHTS HAS BEEN LEADING THE WAY IN CLEAN, EFFICIENT ELECTRIC PROPULSION for sail boats and displacement yachts since 1893. We design and build eco-friendly products that reduce dependency on fossil fuels and eliminate the noise, emissions, maintenance and risk of traditional engines. Elco is the choice of smart, discerning boat owners around the world.



ELECTRIC PROPULSION

motor performance guide



EP-600

Elco EP-600

MOTOR SPECIFICATIONS

Length	17"
Width	16.22"
Height	15.8"
Weight	170 lbs
Motor service life (estimated)	50,000 hrs
Limited Warranty	Details provided on the Elco Motor Yacht website and Owners Manual

ELECTRICAL SYSTEM

Volts	36 vdc
Amp/hrs	220 amp/hrs
Number of batteries	3
Battery weight <small>(95-135 lbs each - Lithium Wet Cell, AGM, Lithium Iron Phosphate)</small>	299-644 lbs (total)
Charger(s)	1x36 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)	10' to 20'
Cruising range/duration @ 4 knots*	7-10 hrs
Cruising range/duration @ 5 knots*	5-7 hrs
Cruising range/duration @ full speed*	3-6 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	6 hp
Kilowatts	3 kW
MPG equivalency (estimated)	80 MPG

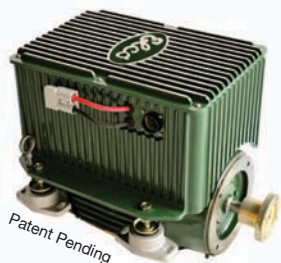
*Performance is based on battery power only - Run time can be continuous with Genset

**Actual life based upon battery use and maintenance.



ELECTRIC PROPULSION

motor performance guide



Patent Pending

Elco EP-1200

MOTOR SPECIFICATIONS

Length	21"
Width	16.22"
Height	18.32"
Weight	260 lbs
Motor service life (estimated)	50,000 hrs
Limited Warranty	Details provided on the Elco Motor Yacht website and Owners Manual

ELECTRICAL SYSTEM

Volts	48 vdc
Amp/hrs	220 amp/hrs
Number of batteries	4
Battery weight <small>(95-135 lbs each - Lithium Wet Cell, AGM, Lithium Iron Phosphate)</small>	452-892 lbs (total)
Charger(s)	1x48 volt
Plug-in-play components	3
enGauge IV one color 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)	16' to 25'
Cruising range/duration @ 4 knots*	8-12 hrs
Cruising range/duration @ 5 knots*	6-8 hrs
Cruising range/duration @ full speed *	3-6 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	12 hp
Kilowatts	6 kW
MPG equivalency (estimated)	65 MPG

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

**Actual life based upon battery use and maintenance.



ELECTRIC PROPULSION

motor performance guide



Patent Pending

EP-2000

Elco EP-2000

MOTOR SPECIFICATIONS

Length	21"
Width	16.22"
Height	18.32"
Weight	260 lbs
Motor service life (estimated)	50,000 hrs
Limited Warranty	Details provided on the Elco Motor Yacht website and Owners Manual

ELECTRICAL SYSTEM

Volts	72 vdc
Amp/hrs	220 amp/hrs
Number of batteries	6
Battery weight <small>(95-135 lbs each - Lithium Wet Cell, AGM, Lithium Iron Phosphate)</small>	518-1,208 lbs (total)
Charger(s)	2x36 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)	20' to 34'
Cruising range/duration @ 4 knots*	8-12 hrs
Cruising range/duration @ 5 knots*	6-8 hrs
Cruising range/duration @ full speed *	3-6 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	20 hp
Kilowatts	10 kW
MPG equivalency (estimated)	50 MPG

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

**Actual life based upon battery use and maintenance.



ELECTRIC PROPULSION

motor performance guide



Elco EP-4000

MOTOR SPECIFICATIONS

Length	29"
Width	18.82"
Height	18.83"
Weight	400 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>	787-1,822 lbs 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)	30' to 45'
Cruising range/duration @ 4 knots*	4-6 hrs
Cruising range/duration @ 5 knots*	3-4 hrs
Cruising range/duration @ full speed *	1-3 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	40 hp
Kilowatts	20 kW
MPG equivalency (estimated)	30 MPG

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

**Actual life based upon battery use and maintenance



ELECTRIC PROPULSION

motor performance guide



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