ELECTRIC OUTBOARD

operators manual

Elco Electric Propulsion Since 1893

"There is no better way"

ELECTRIC OUTBOARD EP-5

EP-5 ELECTRIC OUTBOARD FEATURES AND BENEFITS

- Reliable and durable construction with minimal maintenance required
- Available in tiller or top- and side-mount throttle control
- All motors available in long- or short shaft models
- Traditional design with standard aluminum casting so replacement parts are readily available
- Water-cooled system that prevents over-heating
- Multiple safety precautions including over-speed protection, overload protection, temperature protection, over-voltage and over-current protection
- Consistent power throughout the speed range
- Brushless PMAC motor that is over 90-percent efficient
- Cruise with peace of mind thanks to our "Get Home Safe" battery alert system
- Motors ranging from 5-HP to 50-HP
- Clean cruising without the hassles and hazards of gasoline
- Low cost of operation when compared to traditional gas motors

TILLER MODEL:

COMPARABLE GAS/PETROL RATING	5 h.p.
INPUT POWER (WATTS)	3,000 watts
VOLTAGE	24 vdc
MAXIMUM CURRENT	125 amps DC
MOTOR	Brushless PMAC
STATIC THRUST	98 pounds
COOLING SYSTEM	Water cooled
THROTTLE SYSTEM	Remote control or tiller option
THROTTLE	Side mount or Top mount option, 16' length
THROTTLE CABLE EXTENSION OPTIONAL	6'
LOWER UNIT GEAR RATIO	2.08:1 (27/13)
GEAR OIL CAPACITY	8.5 ounces
TRIM AND/OR TILT	Manual
PROPELLER	3-7 1/2 x 7"
WEIGHT	65 lbs
SHORT SHAFT TRANSOM HEIGHT	17.15"
SHORT SHAFT OVERALL (HEIGHT, WIDTH, LENGTH)	41" x 11" x 18.5"
LONG SHAFT TRANSOM HEIGHT	22.15"
LONG SHAFT OVERALL (HEIGHT, WIDTH, LENGTH)	46" x 11" x 18.5"

REMOTE MODEL: THROTTLE OPTIONS

Livorsi Side $450 Top Mount $650 sold separately

ELECTRICOUTBOARD EP-9.9

EP-9.9 ELECTRIC OUTBOARD MOTOR FEATURES:

- Zero emissions
- Smooth running with consistent power throughout the speed range
- Low noise compared to gas motors
- Reliable and durable, with less maintenance required
- Equipped with emergency stop switch
- Multiple safety precautions including: over-speed protection, overload protection, temperature protection, over-voltage and over-current protection
- LCD display for easy-reading of: fault code, power consumption, rotation rate, forward or reverse, voltage, current, and more (optional)
- Hydraulic tilt (optional)

Elco outboard motors might look and feel like standard outboard motors, but that's the last thing they are. Beneath that rugged and durable exterior lies the proven design and leading-edge electric propulsion technology that has made our outboards the leader in power and performance. Elco outboard motors are available in a wide-range of horsepower options, with remote or tiller control and long or shaft to fit boats of all shapes and sizes, power or sail. Elco outboards look like traditional outboards because for us, they are–we've been at the forefront of electric-propulsion for 125 years.

COMPARABLE GAS/PETROL RATING	9.9 HP
INPUT POWER (WATTS)	4560 watts
VOLTAGE	48 vdc
MAXIMUM CURRENT	95 amps DC
MOTOR	Brushless PMAC
STATIC THRUST	130 lbs
COOLING SYSTEM	Water cooled
THROTTLE SYSTEM	Remote or tiller option
THROTTLE	Side mount, 16' length
THROTTLE CABLE EXTENSION OPTIONAL	6'
LOWER UNIT GEAR RATIO	2.08:1 (27/13)
GEAR OIL CAPACITY	8.5 oz
TRIM AND/OR TILT	Manual
PROPELLER	3-7 1/2 x 7
WEIGHT	65 lbs
SHORT SHAFT TRANSOM HEIGHT	17.15"
SHORT SHAFT OVERALL (HEIGHT, WIDTH, LENGTH)	41" x 11" x 18.5"
LONG SHAFT TRANSOM HEIGHT	22.15"
LONG SHAFT OVERALL (HEIGHT, WIDTH, LENGTH)	46" x 11" x 18.5"

Included:
Livorsi Side Mount w/ key, kill switch & mounting plate

ELECTRICOUTBOARD EP-14

EP-14 ELECTRIC OUTBOARD MOTOR FEATURES:

- Zero emissions
- Smooth running with consistent power throughout the speed range
- Low noise compared to gas motors
- Reliable and durable, with less maintenance required
- Equipped with emergency stop switch
- Multiple safety precautions including: over-speed protection, overload protection, temperature protection, over-voltage and over-current protection
- LCD display for easy-reading of: fault code, power consumption, rotation rate, forward or reverse, voltage, current, and more (optional)
- Hydraulic tilt (optional)

Elco outboard motors might look and feel like standard outboard motors, but that's the last thing they are. Beneath that rugged and durable exterior lies the proven design and leading-edge electric propulsion technology that has made our outboards the leader in power and performance. Elco outboard motors are available in a wide-range of horsepower options, with remote or tiller control and long or shaft to fit boats of all shapes and sizes, power or sail. Elco outboards look like traditional outboards because for us, they are–we've been at the forefront of electric-propulsion for 125 years.

COMPARABLE GAS/PETROL RATING	14 HP
INPUT POWER (WATTS)	6480 watts
VOLTAGE	48 vdc
MAXIMUM CURRENT	135 amps DC
MOTOR	Brushless PMAC
STATIC THRUST	204 lbs
COOLING SYSTEM	Water cooled
THROTTLE SYSTEM	Remote or tiller option
THROTTLE	Side mount, 16' length
THROTTLE CABLE EXTENSION OPTIONAL	16'
LOWER UNIT GEAR RATIO	2.08:1 (27/13)
GEAR OIL CAPACITY	8.5 oz
TRIM AND/OR TILT	Manual
PROPELLER	3 - 9.25" x 10"
WEIGHT	85 lbs
SHORT SHAFT TRANSOM HEIGHT	17.5"
SHORT SHAFT OVERALL (HEIGHT, WIDTH, LENGTH)	43" x 11" x 18.5"
LONG SHAFT TRANSOM HEIGHT	22.5"
LONG SHAFT OVERALL (HEIGHT, WIDTH, LENGTH)	46" x 11" x 18.5"

Included:
Livorsi Side Mount w/ key, kill switch & mounting plate

ELECTRICOUTBOARD EP-20

EP-20 ELECTRIC OUTBOARD MOTOR FEATURES:

- Zero emissions
- Smooth running with consistent power throughout the speed range
- Low noise compared to gas motors
- Reliable and durable, with less maintenance required
- Equipped with emergency stop switch
- Multiple safety precautions including: over-speed protection, overload protection, temperature protection, over-voltage and over-current protection
- LCD display for easy-reading of: fault code, power consumption, rotation rate, forward or reverse, voltage, current, and more (optional)
- Hydraulic tilt (optional)

Elco outboard motors might look and feel like standard outboard motors, but that's the last thing they are. Beneath that rugged and durable exterior lies the proven design and leading-edge electric propulsion technology that has made our outboards the leader in power and performance. Elco outboard motors are available in a wide-range of horsepower options, with remote or tiller control and long or shaft to fit boats of all shapes and sizes, power or sail. Elco outboards look like traditional outboards because for us, they are–we've been at the forefront of electric-propulsion for 125 years.

COMPARABLE GAS/PETROL RATING	20 HP
INPUT POWER (WATTS)	8880 watts
VOLTAGE	48 vdc
MAXIMUM CURRENT	185 amps DC
MOTOR	Brushless PMAC
STATIC THRUST	240 lbs
COOLING SYSTEM	Water cooled
THROTTLE SYSTEM	Remote or tiller option
THROTTLE	Side mount, 16' length
THROTTLE CABLE EXTENSION OPTIONAL	6'
LOWER UNIT GEAR RATIO	2.08:1 (27/13)
GEAR OIL CAPACITY	8.5 oz
TRIM AND/OR TILT	Manual
PROPELLER	3 - 9.25" x 8"
WEIGHT	85 lbs
SHORT SHAFT TRANSOM HEIGHT	17.5"
SHORT SHAFT OVERALL (HEIGHT, WIDTH, LENGTH)	43" x 11" x 18.5"
LONG SHAFT TRANSOM HEIGHT	22.5"
LONG SHAFT OVERALL (HEIGHT, WIDTH, LENGTH)	46" x 11" x 18.5"

Included:
Livorsi Side Mount w/ key, kill switch & mounting plate

"There is no better way"

ELECTRIC OUTBOARD EP-30

EP-30 ELECTRIC OUTBOARD FEATURES AND BENEFITS

- Reliable and durable construction with minimal maintenance required
- Available in tiller or top- and side-mount throttle control
- All motors available in long- or short shaft models
- Traditional design with standard aluminum casting so replacement parts are readily available
- Water-cooled system that prevents over-heating
- Multiple safety precautions including over-speed protection, overload protection, temperature protection, over-voltage and over-current protection
- Consistent power throughout the speed range
- Brushless PMAC motor that is over 90-percent efficient
- Cruise with peace of mind thanks to our "Get Home Safe" battery alert system
- Motors ranging from 5-HP to 50-HP
- Clean cruising without the hassles and hazards of gasoline
- Low cost of operation when compared to traditional gas motors

TILLER MODEL:

COMPARABLE GAS/PETROL RATING	30 HP
INPUT POWER (WATTS)	12,480watts
VOLTAGE	96 vdc
MAXIMUM CURRENT	130 amps DC
MOTOR	Brushless PMAC
STATIC THRUST	585 lbs
COOLING SYSTEM	Water cooled
THROTTLE SYSTEM	Remote or tiller option
THROTTLE	Side mount or Top mount option, 16' length
THROTTLE CABLE EXTENSION OPTIONAL	6'
LOWER UNIT GEAR RATIO	2.08:1 (27/13)
GEAR OIL CAPACITY	8.5 oz
TRIM AND/OR TILT	Manual
PROPELLER	3 - 9.25 x 11"
WEIGHT	90 lbs
SHORT SHAFT TRANSOM HEIGHT	17.5"
SHORT SHAFT OVERALL (HEIGHT, WIDTH, LENGTH)	43" x 11" x 18.5"
LONG SHAFT TRANSOM HEIGHT	22.5"
LONG SHAFT OVERALL (HEIGHT, WIDTH, LENGTH)	46" x 11" x 18.5"

REMOTE MODEL: THROTTLE OPTIONS

Livorsi Side $450 Top Mount $650 sold separately

Leading the Electric Revolution

ELECTRICOUTBOARD EP-50

EP-50 ELECTRIC OUTBOARD FEATURES AND BENEFITS

- Reliable and durable construction with minimal maintenance required
- Available in tiller or top- and side-mount throttle control
- All motors available in long- or short shaft models
- Traditional design with standard aluminum casting so replacement parts are readily available
- Water-cooled system that prevents over-heating
- Multiple safety precautions including over-speed protection, overload protection, temperature protection, over-voltage and over-current protection
- Consistent power throughout the speed range
- Brushless PMAC motor that is over 90-percent efficient
- Cruise with peace of mind thanks to our “Get Home Safe” battery alert system
- Motors ranging from 5-HP to 50-HP
- Clean cruising without the hassles and hazards of gasoline
- Low cost of operation when compared to traditional gas motors

TILLER MODEL:

COMPARABLE GAS/PETROL RATING	50 HP
INPUT POWER (WATTS)	26,880watts
VOLTAGE	96 vdc
MAXIMUM CURRENT	280 amps DC
MOTOR	Brushless PMAC
STATIC THRUST	360 lbs
COOLING SYSTEM	Water cooled
THROTTLE SYSTEM	Remote or tiller option
THROTTLE	Side mount or Top mount option, 16' length
THROTTLE CABLE EXTENSION OPTIONAL	6′
LOWER UNIT GEAR RATIO	2.08:1 (27/13)
GEAR OIL CAPACITY	8.5 oz
TRIM AND/OR TILT	Manual
PROPELLER	3 - 9 7/8 x 12
WEIGHT	190 lbs
SHORT SHAFT TRANSOM HEIGHT	17.5″
SHORT SHAFT OVERALL (HEIGHT, WIDTH, LENGTH)	45.4" x 14.8" x 27.7"
LONG SHAFT TRANSOM HEIGHT	22.5″
LONG SHAFT OVERALL (HEIGHT, WIDTH, LENGTH)	50.4" x 14.8" x 27.7"

REMOTE MODEL: THROTTLE OPTIONS

Livorsi Side $450 Top Mount $650 sold separately