



# Elco 50



**T**HE Elco Fifty is designed for the owner who wants a boat which can properly be dignified by the title of "yacht," carrying a full crew and fit to go anywhere; but which will not involve the high purchase and upkeep costs usually associated with boats of this class. For such a man the Elco Fifty is ideally adapted. She is a fine, able, handsome vessel calculated to bring pride to her owner when compared with larger boats costing many times as much. She will accommodate a party of up to six persons, with every convenience to which they are accustomed on shore. Two men form an adequate crew for all purposes, thus eliminating one of the bugbears of yachting, the problem of finding, keeping and pay-

ing a satisfactory crew of four or more.

During the past twenty years or more, while the modern motor yacht has been developing, Elco has built a great number of different boats of about the size of the Fifty. Some have been highly successful standardized models, and some have been custom built to the owner's particular requirements. The vast experience gained in this work is focused in the Elco Fifty. It can truly be said that no other small motor yacht has had such intensive development.

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Good evidence of this is found in the perfection of detail existing everywhere throughout the boat. This is characteristic of all Elco boats; but, since the Fifty is larger than the others, there are more details to show the care expended upon



them. It would be impossible to enumerate the many small appointments and conveniences found in the owner's quarters, or the points of mechanical and structural superiority which enable the crew to have the boat in constant readiness for service.

The lines of the Elco Fifty are graceful and sweeping. There is no trace of the "boxy" appearance or chunky looking hull found on so many other boats which endeavor to approximate the size and accommodations of the Fifty. Any pleasure boat must be good looking to entirely satisfy its owner, and an important factor in the success of the Fifty is, undoubtedly, its handsome, yachty appearance. Needless to say all construction conforms with Elco's best practice, which means only

the finest. Technical details will be found on the last page.

The general arrangement of the Fifty can best be understood by a brief study of the picture plan with its accompanying captions, on the next to last page. Unfortunately, the deck plan cannot be properly shown, so that additional description is necessary. A particular point of the design of the Fifty is that she has a flush main deck, extending all around the after cabin trunk. This is protected by a rail and sheltered by a full length awning. The side decks give easy passage fore and aft, and the after deck has ample room for chairs. Vision is entirely unobstructed. Such a deck gives the appearance and feeling of a yacht, as opposed to the motor



boat type of small after cockpit, frequently used on boats even of this size.

The raised deck forward is broad and safely railed in. It is entirely available for the use of the owner and his guests. A flat top skylight and hatch form pleasant seats from which to enjoy the sunshine. The convenience of free passage all around the boat and the availability of all deck space are obvious advantages of this design.



The construction of the deckhouse is exclusively Elco, and particularly attractive. The windows are plate glass, of the sashless horizontal sliding type. This eliminates the sticking and rattling of wood sash and, by having very few wooden upright members, gives none of the "shut-in" feeling of the usual type of

deckhouse. Clear all around vision, full ventilation, and complete screening are obtained. Concealed roller shades are provided, if privacy is wanted. The deckhouse contains the wheel and controls, a built-in desk with bookcases, a fixed drop leaf table and a wide divan seat, which forms a berth at night. It is an ideal living- and dining-room under any conditions.

The arrangement below is calculated to provide greatest comfort and privacy and, at the same time, to be most flexible in the berthing of a mixed group of people. The bathroom aft is convenient and complete, even to a shower and hot water. The lavatory forward is directly at the foot of the companion from the deckhouse. Crew's quarters and galley are large and comfortable, so that proper service is easily rendered by the captain and



steward. The interior is done in semi-enamel with woodwork and furniture in hand-rubbed mahogany finish. Carpeting, curtains and upholstery are usually the subject of the owner's personal selection, so that any desired decorative scheme may be carried out.

The power plant consists of a pair of Elco engines, which have been specially developed for use in this boat. Details of these are given on the last page. Smooth and absolutely reliable operation are the qualities of paramount importance in Elco boats. No other engines possess these to such a marked degree. Since hull and power plant must be perfectly matched for best performance, casual selection of engines is not available. Engines are installed in a real engine room, so that the owner is not forced to move while hatches

are lifted to make a simple inspection. A thirty-two volt generating set, with its own bank of batteries, is provided. This is cross connected with the starting batteries, to provide an additional standby electric system. All details of engine installation have been worked out with utmost care to prevent the usual maze of control connections and mechanical complications associated with twin screw installation. The Elco safety fuel system gives a large measure of protection against fire hazard.

In every respect the Elco Fifty is suited to provide as perfect service as the largest and most elaborate yacht afloat. The list of distinguished yachtsmen owning these boats is the best testimony to their beauty and quality.

# ARRANGEMENT PLAN of ELCO 50

BOAT screened throughout against insects. Monel screens.

ANCHOR DAVIT, windlass and anchors on deck.

GALLEY: Four-burner, white enamel gas range with oven and broiler. Gas hot water boiler. Sink, monel drain board and lockers. Skylight over.

COMPANIONWAY: Lockers under steps to deckhouse. Door to engine room.



STATEROOM: Double berth, bureau, clothes locker, and full length mirror. Separated from engine room by double bulkhead.

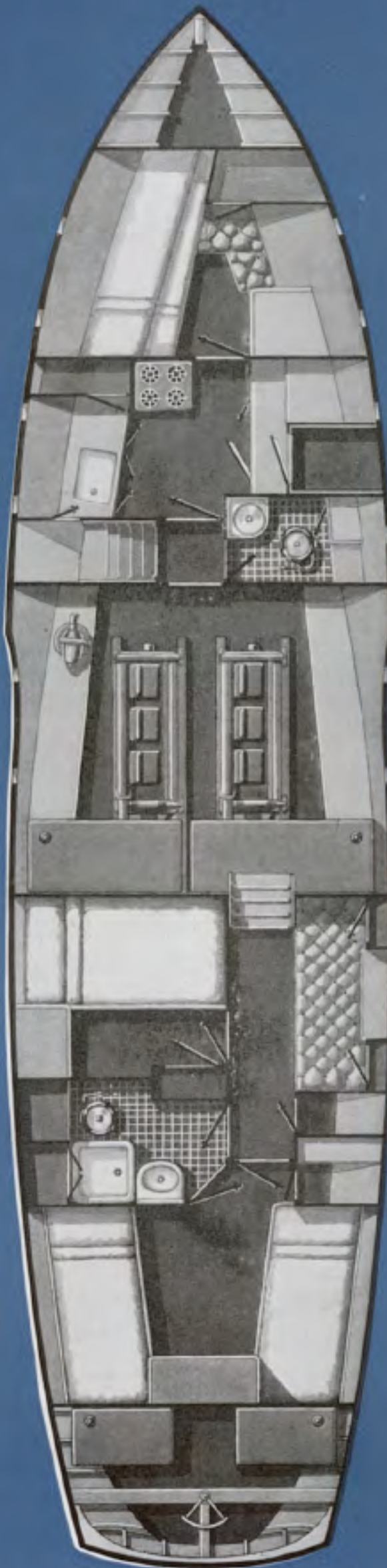
BATHROOM: With shower bath, toilet, washbasin, shelves, mirror, linen and medicine lockers.

DECKHOUSE: Shown above.

DOOR each side to deck. Slanting windshield. Large sliding plate glass windows.

STEERING WHEEL: Binnacle, instruments, engine controls and chart board at forward end. Companion to lavatory, engine room, and galley.

DIVAN SEAT at port side forming berth. Fixed drop-leaf table. WRITING DESK to starboard.



FOREPEAK: Rope and chain locker reached through deck plate, separated from forecabin by water-tight bulkhead. Stove gas tanks stowed here.

FORECASTLE: Two built-in berths, seat, clothes locker, and bureau. Ladder to deck through combination flat top hatch and skylight which forms deck seat.

DISH RACKS: Dresser, drawers and lockers.

ICE-BOX: Fill from deck, large ice capacity, food compartment below.

LAVATORY: With toilet, wash basin, shelves, mirror, linen and medicine lockers.

ENGINE ROOM: With two main engines. Generating set. Storage bins, work bench, tool board, shelves and storage locker. Hatches over for engine removal.

GASOLINE TANKS: ELCO Safety Installation, provision for removal. Deck fills.

LOBBY: With divan berth, book shelf and lockers outboard. Coat locker aft.

OWNER'S STATEROOM: With two wide, single berths with drawers under. Clothes locker, bureau and full-length mirror. Windows around three sides. Deck lounge, deck boxes and dinghy on after cabin trunk.

WATER TANKS: Fill from deck. Provision for removal.

LAZARETTE: Under after deck. Flush hatch giving access to steering gear and storage space. Separated from stateroom by water-tight bulkhead. Emergency steering gear.

# OUTLINE SPECIFICATIONS

## MODEL 50—SERIES 311

Design . . . . . 50-B-51    Speed . . . . . 14-16 miles  
Length, overall . . . . . 50' 4"    Fuel capacity . . . . . 350 gals.  
Beam, extreme . . . . . 12' 9"    Mileage . . . . . 185-275  
Draft, normal . . . . . 3' 0"    Sleeping—owner 6, crew 2  
Horsepower, each . . . . . 145    Headroom . . . . . 6' 3"  
Power Plant Two Elco F-62 Engines

**CONSTRUCTION:** Keel, oak, 4", protected by separate oak shoe. Planking, cedar, 1 1/8". Frames, oak, 1 5/8" x 1 5/8", spaced 12" centers. Keel fastenings, bronze. Plank fastenings, copper rivets. Transom, double, Philippine. Guards, oak, capped with galvanized iron. Raised deck canvased, main deck yacht laid white pine. Superstructure, Philippine; roofs canvased. Awning, permanent, painted canvas. Windows, plate glass. Interior trim and furniture, Philippine. Other interior structure painted. Hardware and deck fittings, brass and bronze.

**DECKHOUSE:** Of special Elco type having rain vision ventilating windshield at forward end, and sashless horizontal sliding glass windows at sides and across after end.

**FINISH:** Underbody, brown anti-fouling paint with green boot top. Topsides flat yacht white. Decks and roofs painted where canvas, varnished where bright. Superstructure and trim, varnish. Interior, semi-enamel, with hand-rubbed varnished trim and furniture.

**RUDDER AND STEERING GEAR:** Rudder and stock, bronze. Skeg, bronze. Quadrant with integral turnbuckles, bronze. Steered by mahogany ship's wheel with chain and sprocket gear. Steering line monel wire over brass sheaves.

**PLUMBING:** Water tank, galvanized iron, capacity 220 gals. Piping galvanized. Fixtures, high quality yacht type. Supply by electric pump. Stove, gas, four-burner with oven. Gas tanks in water-tight compartment. Bilge drainage by pump on main engine.

**ENGINE INSTALLATION:** Two Elco Model F-62 Engines having 6 cylinders, 5" bore, 6" stroke (707 cu. in.) developing 145 horsepower at about 1600 R. P. M. Sliding reverse gear, double ignition, pressure oiling, removable heads. Propeller shafts, bronze, 1 1/2" diameter. 3-blade bronze propellers. Outboard bearings, rubber. Inboard bearings, non metallic, self lubricating. Exhaust through copper pipes to stern, fitted with mufflers, water cooled. All controls and gauges at steering position.

**FUEL SYSTEM:** Tanks, copper of highest type construction. Special Elco Safety Installation, designed to eliminate fire hazard; including tight fills from deck, extending to bottom of tank with separate outboard vents. Fuel supply by pumps on engine through special copper tubing and fittings, all readily accessible. Tanks fitted with hand hole plates for cleaning. Self draining drip pans and flame proof backfire guards at carburetors.

**ELECTRICAL SYSTEM:** Generator and starting motor on each engine, 12 volts with 100 amp. hour batteries. Independent generating plant 32 volts, 750 watt capacity, with 4-cycle single cylinder engine of finest obtainable type. Lighting battery 32-volt, 120 amp. hour capacity. Main engine and independent systems inter-connected through accessible switchboard. Ample cabin lights in suitable fixtures, and permanent special sailing lights. Also deck lights and searchlight.

**SMALL BOAT:** Rowing dinghy 11 ft., round bottom, cedar and mahogany, of special Elco design and build, suitable for small outboard motor. Equipped with oars, rowlocks, rope fender, boat cover, etc. Suitable davits and handling gear.

**UPHOLSTERY:** Cushions of comfortable spring type construction. Exterior cushions covered with durable imitation leather, interior cushions with suitable fabric. Berths furnished with coil springs and kapoc mattresses. Silk curtains at windows and ports of cabins. Roller shades at deckhouse windows. Large lounging seat on after cabin trunk. Carpets in after quarters. Rug in deckhouse. Linoleum in deckhouse, galley, lavatories, engine room and crew's quarters. Choice of upholstery offered.

## EQUIPMENT

### DECK AND MISCELLANEOUS

|                        |                                 |
|------------------------|---------------------------------|
| Side lights            | Fenders, 4                      |
| Bow light              | Boarding ladder                 |
| Range and anchor light | Swimming ladder                 |
| Anchor light, oil      | Sounding rod, fuel              |
| Awning lights          | Sounding rod, water             |
| Searchlight            | Fuel funnel                     |
| Boarding lights        | Awning, permanent               |
| Signal horn            | Weather cloths around main deck |
| Fog horn               | Miscellaneous canvas covers     |
| Fog bell               | Deck stowage box                |
| Life preservers, 10    | Emergency tiller                |
| Mast, complete         | Bilge pump, portable            |
| Bow staff              | Compass in skylight binnacle    |
| Stern staff            | Dinghy with davits              |
| Masthead staff         | Insect screens                  |
| Yacht ensign           | Name on stern                   |
| Elco burgee            | Name on light boards            |
| Service anchor         | Hailing port                    |
| Storm anchor           | Ballast, trimming               |
| Anchor cables, 2       | Propeller inspection well       |
| Anchor davit           | Engine room ventilation system  |
| Windlass               |                                 |
| Dock lines, 3          |                                 |
| Deck line              |                                 |
| Boat hook              |                                 |

### FURNISHINGS AND UPHOLSTERY

|                               |                         |
|-------------------------------|-------------------------|
| Mahogany tables, 3            | Lavatory fittings       |
| Chairs, 7                     | Shower bath             |
| Stools, cabin, 2              | Lamp shades             |
| Stool, steering               | Mirrors, bureau, 2      |
| Cushions, deck                | Mirrors, full length, 2 |
| Cushions, chair, 4            | Mirrors, lavatory, 2    |
| Cushions, cabin               | Mirror, crew quarters   |
| Cushions, deckhouse           | Medicine cabinets, 2    |
| Berth springs and mattresses  | Refrigerator            |
| Carpets, cabin                | Dish racks              |
| Rug, deckhouse                | Stove and equipment     |
| Shades, deckhouse             | Chart table             |
| Curtains, cabin and deckhouse | Lighting bulbs          |
| Wash basins, 2                | Fuses                   |
| Water closets, 2              | Fire extinguishers, 3   |
| Sink                          | Instructions            |
| Hot water system              | Pilot rules             |
|                               | Boat keys               |

### ENGINE EQUIPMENT

|                        |                |
|------------------------|----------------|
| Tools, engine and boat | Gauges         |
| Starting bars, 2       | Tachometers    |
| Extension light        | Motometers     |
| Mufflers               | Batteries      |
| Instrument panels      | Oil sump pumps |
| Switches               | Lighting plant |

### SPARES

|                                 |                             |
|---------------------------------|-----------------------------|
| Strainer glasses, 2             | Distilled water, 2 qts.     |
| Spark plugs, 6                  | Cylinder head, gaskets, 3   |
| Fuses, 8                        | Friction tape               |
| Lighting bulbs, 9               | Spool wire                  |
| Fire extinguisher fluid, 2 qts. | Stuffing box packing, 2 ft. |



STANDARDIZED CRUISERS built by THE ELCO WORKS  
of the ELECTRIC BOAT COMPANY  
BAYONNE, NEW JERSEY

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