

## **O'BRIEN 44 FLY BRIDGE CRUISER**

### **Specifications**

- Measured Length 13.5 Metres (44.29 Feet)
- Waterline Length 11.9 Metres (39.04 Feet)
- Maximum Beam 4.6 Metres (15.1 Feet)
- Draft 1.0 Metres
- Main Engines Twin Cummins C450 Rated @ 450 BHP
- Maximum R. P. M 2600RPM
- Transmissions Twin-Disc MG507A 2-1
- Maximum Speed 29 Knots
- Cruising Speed 25 Knots
- Genset Onan 5.5 kw 1500 R.P.M
- Maximum Diesel Fuel 2300 Litres

Maximum Fresh Water 900L.O.A. 14.2 Metres (46.58 Feet)

## **Specifications**

### **B. Vessel Construction.**

- The construction of vessel and machinery installation has a credited surveys Compliance to Australian Uniform Shipping Law code.
- The GRP construction is hand layed fabric with resin applied with the latest in saturation equipment, the hulls is of solid lay-up in bottom shell, keel, chines and sheer and cored sides and bulkheads using low shrink resins and biaxial Roving, all web frames and longitudinal girders are solid hand laid-up moulded sections, deckhouse, saloon, and Fly-bridge are of a cored construction.
- The Vessel is a moulded lay-up using isophthalic gelcoat exterior, vinylester resin to the first two layers and the latest in biaxial and fibreglass fabrics.
- The Vessel is a planing, flared bow, single chine design framed with transverse and longitudinal frames.
- The paints and coatings used throughout the vessel are of a character suitable for marine service and compatible with G.R.P. Coatings are to be applied in accordance with the manufacturer's instructions, and are to be preceded by appropriate cleaning and possible chemical conversion of surfaces as may be required in accordance with the manufacturer's recommendations. Coatings are to be free from voids, scratches or other imperfections.

### **C. Survey and Registration.**

- The construction of the vessel and equipment will meet the requirements and regulations contained in the Uniform Shipping Laws Code of the Australian Transport Advisory Council, or amendments by state authorities for vessels of Class 2C (see costing specifications).

### **D. Saloon.**

- Air conditioning, supply to saloon (see specifications)
- Carpeting with indoor outdoor.
- Dinette table, teak or Gemstone culture finish top.
- Engine hatches fully removable for major servicing.
- Entertainment centre equipment supplied with electronic package.
- Fit-out standard Custom Gelcoat or two pack paint with teak trim to panels, doors and bulkheads.
- Fishing tackle storage as agreed in general arrangement drawings.
- Fwd opening hatch centre of deck house frosted Gray tint.
- Lighting. (see electrical)
- Saloon fixed port and starboard side windows super Gray tuffen glass pannels with black ceramic band.
- Storage cabinets and cupboards as drawn in general arrangement drawings.
- Seating and dinette as agreed in general arrangement drawings.

## **E. Galley**

- Electric range F&P two burner.
- Lighting. (see electrical)
- Microwave Sharp1500w convection oven.
- Gemstone culture finish countertop & two bowl sink.
- Two Refrigerator freezer 130lt 24Volt DC.
- Single lever hot & cold faucet.
- Storage cabinets, drawers and cupboards as drawn in general arrangement drawings.
- Teak parquet floor.

## **F. Master Stateroom**

- Air conditioning vented ducked air.
- Carpeting with indoor outdoor.
- Deck hatch, fwd adjustable opening frosted Gray tint.
- Double berth with foam covered fabric mattress.
- Hanging locker with light, indoor outdoor carpet lined and three Storage drawers.
- Head board, padded upholstered.
- Head liner, vinyl padding.
- Lighting. (see electrical)
- Mirror on Hanging locker full size.
- Nightstand teak top.
- Reading light over Double berth headboard.
- Storage cabinets overhead.
- Storage under berth.

## **G. Crew sleeping accommodation.**

- Air conditioning vented ducked air.
- Carpeting with indoor outdoor.
- Deck hatch, fwd adjustable opening frosted Gray tint.
- Hanging locker w/light, indoor outdoor carpet lined.
- Head liner, vinyl padded.
- Reading lights, DC over upper & lower berths.
- Storage cabinets and cupboards as drawn in general arrangement drawings.

- Upper & lower berths by four with upholstered foam covered fabric mattress.

#### **H. Shower and Toilets Master & Crew.**

- Deck hatch, fwd adjustable opening frosted Gray tint.
- Electric toilet fresh water flush to holding tank.
- Holding tank valve & Sea-Intakes for dockside & overboard pump out.
- Head liner, vinyl padded.
- Lighting. (see electrical)
- Storage cabinet mirror faced doors as drawn in general arrangement drawings.
- Shower stall hand held nozzle, light, towel locker, automatic sump pump to grey water tank.
- Towel rails.
- Vanity and toilet two piece moulded with Gemstone culture finish top counter & sink.

#### **I. Fly-Bridge**

- Compass, 100 mm lighted.
- DC feed, main circuit breaker panel protected.
- Electronics cabinet.
- Full instrumentation & gauges, lighted.
- Helm & companion chair cushioned with acrylic canvas colour and adjustable.
- Hydraulic steering.
- Interior and storage compartments gel coated white.
- Lounge seating cushioned with acrylic canvas colour.
- Monitoring station - fresh water pumps, bilge pumps, bilge alarm, Genset & refrigeration.
- Stainless rails with 9 Fishing rod holders & bridge ladder with teak treads.
- Storage cabinets as drawn in general arrangement drawings.
- Storage areas scupper for water.
- Fly-bridge side Grab rails 316 stainless.

#### **J. Cockpit**

- Area under cockpit storage area gel coated white.
- Cabinet port and starboard side with top loading freezer/refrigerator dual coil driven from refrigeration system or one main engine.
- Cabinet brine tank Stb side under freezer/refrigerator driven from refrigeration system from main engine.

- Cleats. stainless steel (2).
- Engine room access hatch under saloon step.
- Fresh water wash down.
- Hatches drain overboard.
- Hawser pipes, stern (2).
- Lights underside decks.
- Construction Moulded cored fiberglass.
- Reinforcement for fighting chair and marlin chair post.
- Scupper (freeing ports) central transom drain.
- Seawater wash down pump from main engine bilge system.
- Shoreline electrical inlet, 15 amp / 240V.

#### **K. Fore-Deck**

- Anchor line locker for rope and chain storage with deck hawser pipe for chain feed.
- Bow pulpit, fiberglass with dual stainless steel insert for rope and chain Anchors.
- Bow rail, 316 stainless as drawn in general arrangement drawings.
- Cleats, stainless steel, 2 bow, 4 spring.
- Anchor fresh water wash down

#### **L. Engineering and Machinery**

- Bilge pumping manifold system, 38 mm engine driven pump out from all sub divisions.
- Bilge pumps, auto submergible Fwd, Mid and Aft.
- Onan Genset installed with internal seawater strainers (see costing specifications).
- Controls and steering (see costing specifications).
- Dripless shaft & rudder seals.
- Engine alternators.
- Engine and generator hour meter.
- Engine mounted oil filters
- Engine room air intakes.
- Engine room lights.
- Engine room two pack polythene white finish.
- Engine vibration mounts, 4 point.
- Engines (see costing specifications).

- External sea water strainers.
- Fresh water tank, 1000 LT.
- Fuel filters Racor water separator - engine & Genset.
- Fuel lines, all Compliance to Australian Uniform Shipping Law code.
- Fuel shut-off valves.
- Fuel tanks, built in construction of hull solid and baffled tanks of fibreglass and fuel chemical grade resin 2400 LT. total capacity, Compliance to Australian Uniform Shipping Law code.
- Mufflers, to Engines & Genset.
- Oil pump in and out system engines & Genset.
- Propellers, AB2 Nibral bronze four-blade (2).
- Rudders, cast 316 stainless steel.
- Seacocks on all through hull fittings below waterline, electrical bonding.
- Shaft Struts, AB2 Nibral bronze.
- Shafts 2-1/2" super duplex tapered and keyed both ends (2).
- Transmissions (see costing specifications).
- Twin diesel engines, fresh water cooled.
- Water heater, 20 Lt Reem 240 Volt
- Water system w/pump, 24Volt
- Windlass Muir Cheetah HR1600 24Volt 3/8 Gipsy

#### **M. Electrical.**

- Batteries, 24Volt domestic bank w/fiberglass boxes.
- Batteries, 24Volt engine start bank w/fiberglass boxes.
- Battery charger, Mastervolt electronic, 24/50 amp DC.
- Battery management system, batteries, 24 Hr system and paralleling system mounted out of machine space.
- Battery volt metre indicators on bridge.
- Bonding system, complete internal to under hull and transom zinc anode.
- Breaker Panel On Bridge For Electronics
- Cockpit deck lights, 2 x 750W 240Volt Stainless lights mounted on hardtop.
- Electric Heater 20lt Reem with thermostat, 240Volt.
- Electric transmission drive oil gauges

- Electrical control centre with back lighting, AC/DC circuit breakers, voltmeter, amp meter & Genset controls.
- Electrical panel protected for overload.
- G.P.O 240Volt Points to saloon, cockpit, galley and each cabin.
- Genset battery to battery management system.
- Genset Onan with sound shield & muffler, fresh water cooled, (see costing specifications).
- Lights in all hanging lockers.
- Navigation lights, international.
- Shore Power cord, 15 amp 240Volt .
- Shore Power transfer switch.
- Visual & audible signals for engine high water temperature and low oil pressure.

## **N. Standard Optional Equipment**

### **(a) Air conditioning and Refrigeration**

- Air conditioning system supply to cabins and saloon (see costing specifications).
- Cockpit brine tanks Unit and main engine (see costing specifications).
- Dual coil Refrigeration , supply to cockpit by AC refrigeration system Unit and main engine (see costing specifications).
- Galley two by 130lt refrigerator freezer 24V dc

### **(b) Fly-Bridge.**

- (Tuna tower option).

### **(c) Cockpit.**

- Cockpit covering boards in-laid solid teak side mounted Reelax HD Rod Holders 2 x bent, 1 strait and one heavy tackle quick store holder in side wing each side.
- Cockpit sole and hatches in-laid solid teak.
- Cockpit large marlin transom door Stb side 1000 mm x 750 mm .
- Hi-Pressure fresh water wash down Unit (see costing specifications).
- Tuna tubes built-in with circulation pump (see costing specifications).
- Water maker Unit (see costing specifications).

### **(d) Marine Electronics and Installation .**

### **(e) Fishing Equipment (see costing specifications to be advised).**

- Reelax heavy duty marlin chair
- Reelax heavy duty Outriggers six meter poles custom two pack painted.

- Reelax Rod Holders HD Flush Mount
- Reelax HD Rod Holders 2 x bent, 1 strait and one heavy tackle quick store holder in side wing each side

**(f) Miscellaneous and Safety Equipment mandatory for Survey**

- Fire fighting equipment, Engine room fixed and manual extinguishers. Compliance to Australian Uniform Shipping Law code (see costing specifications).
- Ground gear Anchors, ropes and chain. Compliance to Australian Uniform Shipping Law code (see costing specifications).
- Safety Equipment. Compliance to Australian Uniform Shipping Law code (see costing specifications).