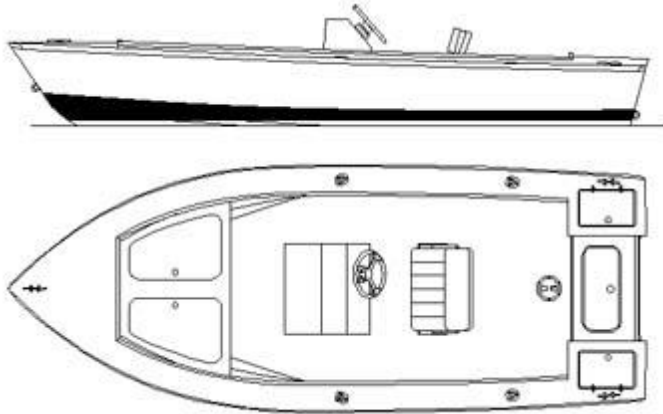


- Study Plans

Specifications	BOM and Labor
Building Method	Kits
Skill Level	Plans Packing List
Options	Reviews . . .
Boat Selector:	OB17. <input type="button" value="v"/>



A simple to build, economical and able vee-hull outboard boat available with a center console or a dual console.

Specifications:		
LOA:	16' 11"	5,16 m
Max. Beam:	6' 6"	1,98 m
Hull draft at DWL:	7.5"	19 cm
Hull weight:	750 lbs.	340 kg
Displacement at DWL:	1,450 lbs.	659 kg
PPI at DWL:	340 lbs.	155 kg
Recommended. HP	30-75	
Material:	Stitch & Glue	



The hull weight shown in the table includes the console, empty fuel tank and basic rigging but not the engine.

The OB17 offers the maximum seaworthiness one can obtain in a boat of that size that is also easy and economical to build. We designed the largest hull one can get out of 7 standard sheets of plywood. This defined the length and the freeboard. We were able to obtain a safe average cockpit depth of 24" in a boat with a self bailing cockpit.

Offshore & Bay 17 would be an appropriate name: small enough to explore protected waters but offshore capable in the hands of the right skipper.



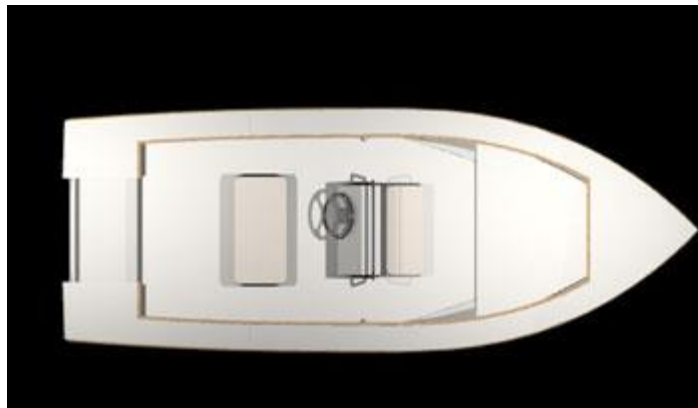
Comparisons:

Compared to the OB15 and OB18, the OB17 is wider and has more freeboard. Compared to the C19, she is more economical and simple to build. The sides are made of one panel instead of two and the framing structure has been kept simple and sturdy.

Building method:

The boat is built in stitch and glue fashion but most of the hull, the bottom especially, is a true composite sandwich. The plywood bottom is sandwiched between layers of directional glass and it is the fiberglass that supplies most of the strength, not the plywood.

As in our other boats, the frames and seat tops are part of the structure.



The assembly method is unique, we use a self-aligning system that reduces or eliminates the need for leveling and other measurements. See the [our building tutorial for a step by step overview](#) of the process.

Required Skills:

As all our stitch and glue boats, the OB17 is easier to build than plywood on frame or most other stitch and glue boats.

We worked hard to keep the building as simple as possible: many of the plywood cuts are straight lines, the nice curves are created by well planned bending around the frames.

All the plywood parts have been precisely calculated: you cut them flat on the floor, no need for templates, no need to take measurements from the hull framing as in the plywood on frame method.



Options:

The plans show two layouts with dimensions for a standard center console and a dual console version. The center console is easy to modify if the builder wants to make it taller or wider. Jump seats can be installed in the stern. Portable or fixed fuel tanks (under consoles) are possible: we show the chase tube.

Swim platforms can be bolted on the transom.

As all of our boats, the OB17 can be made unsinkable with foam, see our kits.

The plans include a typical drawing showing how to cut lids in seats or in the casting deck but to stay true to the "Keep It Simple" philosophy of the boat, we prefer to cut access holes through the bulkhead faces.

This boats transom is designed for a standard 20" shaft. The transom can easily be modified to accept other shaft lengths.

Bill Of Materials:

(Excerpts from our BOM)

The BOM list materials based on our standard layout and includes a 15% waste factor for fiberglass. For plywood, we use standard sheets 4' x 8' (122 x 244 cm). Please read the building notes and see the plans for detailed specifications. Okoume or Meranti marine can be used and cost starts at less than \$50 per sheet (1/4").

Our recommendation is to use 6 sheets of marine ply for the outside parts and for the inside, quality exterior with no voids.

Plywood 4x8' (122x244cm)		
1/4" (6mm)	7	
3/8" (10mm)	5	
1/2" (12mm)	4	
Fiberglass (totals)		
Biaxial tape	127 yards	120 m
Woven tape	31 yards	28 m
Biaxial fabric	22 yards	20 m
Resin		
Epoxy, total	7.5 gallons	30 liters

Cost:

See our kits and add the cost of plywood.

Labor:

The hull can be build in 80 hours but a finished boat will require 200 hours or more depending on the level of detail and the skills of the builder.

More:

Visit our message board, help pages, tutorial pages and read our FAQ: most questions are answered there.

Plans Packing List:

- 13 detailed drawings with all dimensions required to cut the sides, bottom, bulkheads, deck, floors and all parts from flat plywood sheets: no lofting, no templates required.
- Nesting drawings for the best plywood layout with numbered parts.
- Construction drawings.
- One full size pattern for the bow mold.
- Drawings list:
 - B223_1 Plan and Profile
 - B223_2 Nesting
 - D223_3 Structure - Hull & Deck
 - D223_4 Stations
 - D223_5 Frames
 - D223_6 Expanded Panels
 - B223_7 Lamination
 - B223_8 Details
 - B223_9 Dual Console
 - E223_10 Bow Mold
- B187 Standard Center Console
- B221 Typical Small Boat Electrical
- B225 Seat lockers
- "Building on a jig" file including a detailed description of the assembly sequence and building tips
- Specific building notes for this boat
- Bill Of Materials
- Help files reference list and more.