



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

Specifications:		
LOA:	19'	5,80 m
Max. Beam:	7' 4 "	2,24 m
Hull draft at DWL:	8"	203 mm
Hull weight:	960 lbs.	436 kg
Displacement at DWL:	1,900 lbs.	864 kg
PPI at DWL:	425 lbs.	170 kg
Recommended. HP	70-90	
Fuel capacity:	30/60 gallons	120/240 l.
Material:	Stitch & Glue	



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

The OB19 offers the maximum seaworthiness one can obtain in a boat of that size that is also easy and economical to build. The average cockpit depth of 26" in a boat that is still self bailing at a displacement of 3,000 lbs!



Offshore & Bay 19 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 OB19 is wider and has more freeboard. Compared to the C19, she is more economical and more simple to build. The sides are made of one panel instead of two and the framing structure has been kept simple and sturdy. The styling is also different.

The OB19 uses less plywood than the C19 but has less freeboard. The C19 is a slightly bigger boat. The hull lines are also different.

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 OB19 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. One or two fixed fuel tanks can be installed: the plans show different floor frames for each version. Swim platforms can be bolted on the transom. As all of our boats, the OB19 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.

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 marine ply for the hull and for the inside, quality exterior with no voids.

Plywood 4x8' (122x244cm)		
1/4" (6mm)	10	
3/8" (10mm)	7	
1/2" (12mm)	5	
Fiberglass (totals)		
Biaxial tape	220 yards	200 m
Woven tape	23 yards	20 m
Biaxial fabric	27 yards	24 m
Resin		
Epoxy, total	12 gallons	48 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:
 - B228/1 Plan and Profile
 - D228/2 Construction drawing with notes
 - B228/3 Nesting of parts on standard plywood sheets
 - D228/4 Stations (= molds) dimensions
 - E228/5 Expanded Panels
 - B228/6 Lamination Schedule
 - B228/7 Construction details
 - B228/8 Dual Console deck layout with dimensions
 - B228/9 Dual Fuel Tanks layout and floor frames
 - E228/10 Full Size Pattern for Bow Mold
- B187 Standard Center Console
- B225 Seat lockers
- B221 Typical Small Boat Electrical schematic
- "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.