



A capable full displacement mini trawler with maximum sleeping accommodations for four people. Available for outboard or diesel inboard engines.

<b>Specifications:</b>		
<b>LOA:</b>	23' 7"	7,2 m
<b>LWL:</b>	19' 8"	6,0 m
<b>Max. Beam:</b>	8' 6"	2,6 m
<b>Hull draft:</b>	1' 11 "	.59 m
<b>Hull weight:</b>	3,100 lbs.	1,400 kg
<b>Displacement at DWL:</b>	4,200 lbs.	1,900 kg
<b>Recommended. HP</b>	10-25	
<b>Material:</b>	Stitch & Glue	



The hull weight shown in the table includes typical fittings, stove, sink, head, tanks, batteries and engine. Displacement includes 2 crew, 1/2 full fuel and water tanks, food, tools, spare parts and other cruising gear. Headroom under the pilothouse is a generous 7' (2,10m) and 4' 9" (1,45 m) in the cabin and head for comfortable seating.

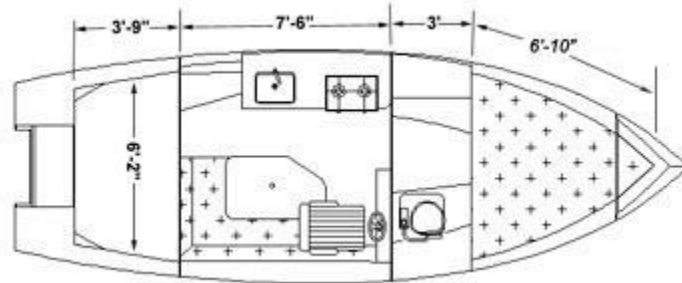


*(Above: view of the pilot house inside, some bulkheads removed)*

The Maia 24 is a true displacement hull form that will have a gentle motion in most sea conditions. Suitable for protected and semi-exposed waters, she will go a long way using little fuel. With the suggested 10 HP motor, her speed will be about 6 knots.



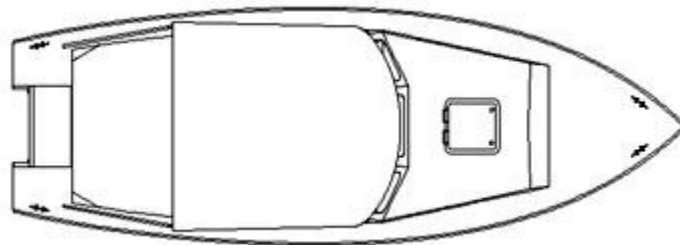
This boat is perfect for exploring the Intracoastal Waterway, "The Great Loop" route, the Chesapeake Bay or the Florida Keys. She has a small flat bottom section to allow her to be beached on a sandy beach and large skeg to protect her from grounding when gunkholing in quiet harbors.



**Building method:**

The boat is built in stitch and glue fashion but most of the hull, the bottom especially, is 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. The framing and interior furniture are all structural elements, making for a stiff and strong boat.

The boat is built in a basket mold, similar to our larger sailboat designs, which aids in accurate assembly when dealing with larger hull panels.



**Required Skills:**

As all our stitch and glue boats, the MT24 is easier to build than plywood on frame or most other stitch and glue boats. However we think that this should not be your first stitch and glue boat - build one of our small boats first to learn the skills required, and you will have a great tender for the Maia when you build her.

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:**

Many options are shown on the plans or in the construction notes. The plans show with great detail, an optional inboard diesel engine installation. Options for the galley counters, bins and lockers are shown. Lockers may be added under the forward berth or beside the motorwell. Fuel tanks may be portable or fixed fuel tanks (under the cockpit sole) are possible. A swim platform can be bolted on the transom if you opt for a outboard motor bracket, otherwise a standard swim ladder alongside the cockpit is suggested. Finally, a building plan for an optional rotating mast and boom built with simple hardware will allow the builder to stow a small tender on the cabin roof.

**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. Meranti 6566 is an inexpensive type of marine ply ideal for stitch and glue construction. It cost, on the average, less than \$ 80.00 a sheet in 1/4" (6 mm). Okoume or Meranti marine can also be used and cost starts at less than \$ 100.00 a sheet (1/4").

<b>Plywood 4x8' (122x244cm)</b>		
1/4" (6mm)	1	
3/8" (10 mm)	29	
1/2" (12mm)	10	
<b>Fiberglass (totals)</b>		
Biaxial tape	450	411 m
Woven tape	60 yards	55 m
Biaxial fabric	32 yards	29 m
Woven fabric	38 yards	35 m
<b>Resin</b>		
Epoxy, total	37 gallons	140 liters

A careful builder will complete the boat with less resin but we allow good size fillets and moderate glass content for the taping and fabric in our estimates.

**Cost:**

See our kits and add the cost of plywood.

**Labor:**

The hull can be build in 340 hours but a finished boat will require 750 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:**

10 detailed drawings with all dimensions required to cut the side panels, bottom panels, bulkheads, seats and all parts from flat plywood sheets: no lofting, no templates required.

Nesting drawings for the best plywood layout, all parts nested.

Drawings list:

- Maia24\_1: Plan and Profile, Structural Arrangement
- Maia24\_2: Basket Mold & Hull Panels
- Maia24\_3: Frames
- Maia24\_4: Internal Structures
- Maia24\_5: Deck/Settee/Galley
- Maia24\_6: Cabin
- Maia24\_7: Nesting Plan
- Maia24\_8: Details
- Maia24\_9: Inboard Engine Installation
- A68\_1 Typical stitch and glue principle drawing
- Specific building notes for this boat with Bill Of Materials
- Help files reference list and more
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