

The Hiawatha canoe is a double chine boat constructed of panels in classic style typical of the Native American canoe: high bow with reverse curvature, pronounced sheer, with a slight tumblehome at the bows. Hiawatha is the sister of our single chine canoe, Chenoa.

Builder threads on our forum:

[lagwagon](#)
[Arm&Hammer](#)

Specifications:						
	<u>12'</u>		<u>14'</u>		<u>16'</u>	
LOA:	12'-1"	3,7 m	14'	4,3 m	15'-5"	4,7 m
Beam: (molded)	30"	.76 m	35"	.9 m	39"	1 m
Est. Weight (1/4" (6mm) Okoume)	40 lbs.	18 k	55 lbs.	25 k	60 lbs.	27 k
Est. Weight (1/4" (6mm) Meranti)	55 lbs.	20 k	70 lbs.	30 k	75 lbs.	34 k
Material:	Stitch & Glue		Stitch & Glue		Stitch & Glue	

Note that their hull shape is different from the "barge type" production canoes. Our canoes are narrower at the waterline which makes them fast and nimble. However, the chine must be immersed for stability. This means that they are designed to carry a load proportional to their size. Do not build the 16' version if you plan to mostly use the canoe alone. If the boat is not loaded to it's waterline, it will not have the expected stability.

The 12' version is ideal for one person, maybe one adult and a child: normal load up to 200 lbs (80kg).

The 14' version is ideal for one or two adults: between 180 and 400 lbs (75 to 180 kg).

The 16' is an ideal camping canoe (cargo type) that will be happy loaded with minimum 250 lbs and up to 500 lbs (90 to 225 kg). When loaded with only one person, the 16' will work better if some ballast is added.



Building method:

The standard version is built in stitch and glue without any molds but 3 small battens are used to shape the sheer and chine. Dimensions for those battens are taken from the molds drawings. The boat can also be built around 3 throw-away molds.

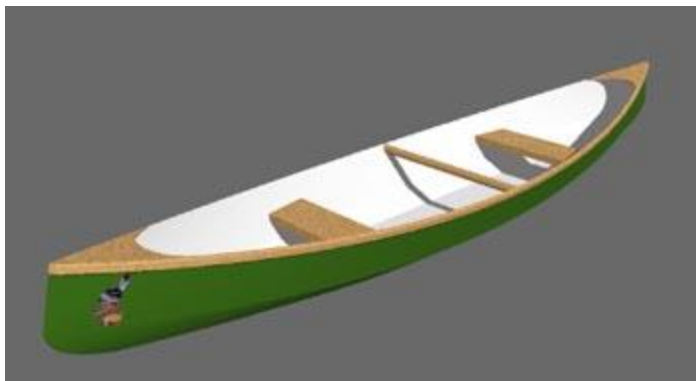
No lofting, no beveling, no scarfing: the sides and bottom are cut from standard 4x8 plywood (122x244cm), joined with a simple butt block. All seams are taped with fiberglass and epoxy, see our "how to" section for details. These epoxy seams are much stronger than the plywood.

Required Skills:

As all our stitch and glue boats, the Chenoa is easy to build. No woodworking skills or special tools are required. The plans include all dimensions and patterns to cut all the hull parts flat on the shop floor. No scarfing required.

Options:

The panels parts are joined with fiberglass splices for fairness. The plans show the usual details and suggest two seats but those are optional.



Bill Of Materials:

(Excerpts from our BOM)

The BOM list materials based on our standard layout and includes a 15% waste factor for resin and 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. For the Hiawatha, we recommend Meranti or Okoume. [Please see our plywood store.](#)

	<u>12'</u>	<u>14'</u>	<u>16'</u>
Plywood:	2 Sheets	3 Sheets	3 Sheets
Epoxy Resin	1-1/2 gallon	1-1/2 gallon	* 1-1/2 gallon (3 gallon available)
Fiberglass Tape:	35 yards	41 yards	45 yards
Wood flour:	1 pound	1 pound	2 pounds

**Additional material for fairing will be required. Material type and amount will vary depending on builders' taste and skill level.*

A skilled and experienced builder who is frugal with epoxy resin can build the 16' version with our 1-1/2 gallon epoxy-fiberglass kit. However, we recommend the 3 gallon kit for the 16' version.

Cost:

See our [Epoxy kit](#), and add the cost of plywood, or the [CNC Kit](#).

Labor:

Each hull can be built in 20-25 hours. Up to 20 hours to fair and paint depending on the desires and 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:

Simple to follow, detailed drawings of each part with all dimensions required to layout and cut from flat plywood sheets.

Nesting drawings for the best plywood layout with numbered parts.
Drawings list:

- Plan and Profile
- Plywood nesting and molds locations
- Construction drawing with optional seats exploded view
- Expanded panels and molds dimensions.
- Specific building notes for this boat.
- Bill Of Materials.

Read more information about our [plans packages here](#).

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