



This is an excellent and good looking dinghy that can be used for rowing, sailing or with an outboard. Slightly larger than her sister the V10, she has even better carrying capacity but is still light enough to car top. She is very stable and has a hull shape that will easily go through the chop of a windy anchorage. The V-bottom takes a little more time to build but it makes her a much better boat than a flat bottom. As a tender, she is probably going to be fitted with an outboard most of the time but she will row very properly. She could also be turned into a sailing dinghy with a sprit rig: a sail plan option is included.

#### Builder threads on our forum:

[Berend](#)  
[Rich L](#)  
[Laszlo](#)  
[Rich L](#)  
[spjoyce](#)  
[WouldWork](#)  
[tech\\_support](#)  
[Corvidae](#)  
[Jaysen](#)

Specifications:		
LOA:	12'	3,65 m
Max. Beam:	4' 6 "	1,35 m
Max. HP:	6 HP	outboard
Designed weight:	95 lbs.	43 kg
Sail area:	39 sq.ft.	3,6 m2
Material:	Stitch & Glue	

**Building method:**

This boat is built from flat plywood panels assembled with epoxy-fiberglass tape. The construction method is called "stitch and glue". For a detailed description of the stitch and glue boat building method, see our "How To" section where you will find a complete illustrated tutorial as well as information about epoxy, fiberglass and plywood. The spars (mast and sprit) are made from 1x3 boards (12x30 mm) epoxy glued together. No shrouds required: very simple.

**Required Skills:**

The V12 dinghy will take more time to build than our flat bottom boats but the required skills are exactly the same. There are no plywood scarfs: we use very simple butt blocks.

No woodworking skills or special tools are required.

**Options:**

The sail option is not shown but she can be rigged with a sprit sail, 35 sq.ft. same type of rig than our D4. The sail plans with spars, sails, daggerboard, rudder etc. are included in all plan sets.

**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.

<b>Plywood 4x8' (122x244cm)</b>		
1/4" (6mm)	4	
3/8" (9mm)	2	
<b>Fiberglass (totals)</b>		
Biaxial tape 6" (or 4" woven)	80 yards	72 m
<b>Resin</b>		
Epoxy, total	3 gallons	12 liters

**Labor:**

The average construction time for the hull is 40 hours.

**More:**

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

**Plans Packing List:**

- 8 Detailed drawings, large scale with all dimensions required to cut the sides, bottom and the bulkheads from flat plywood sheets: no lofting, no templates required.
- Drawing List:
- B110\_1 Concept and Specifications
- D110\_2 Expanded Plates
- D110\_3 Construction including plan and profile sections
- B110\_4 Lines and Table of Offsets
- B110\_5 Sailing Version Options
- D110\_6 Full Size Pattern - Sides
- D110\_7 Full Size Pattern - Bottom
- D110\_8 Full Size Pattern - Frames
- Building notes including a detailed description of the assembly sequence and building tips
- Sprit Rig Notes
- Bill Of Materials
- Help files reference list and more.

Full size patterns for the side panels are in several pieces that must be tiled.