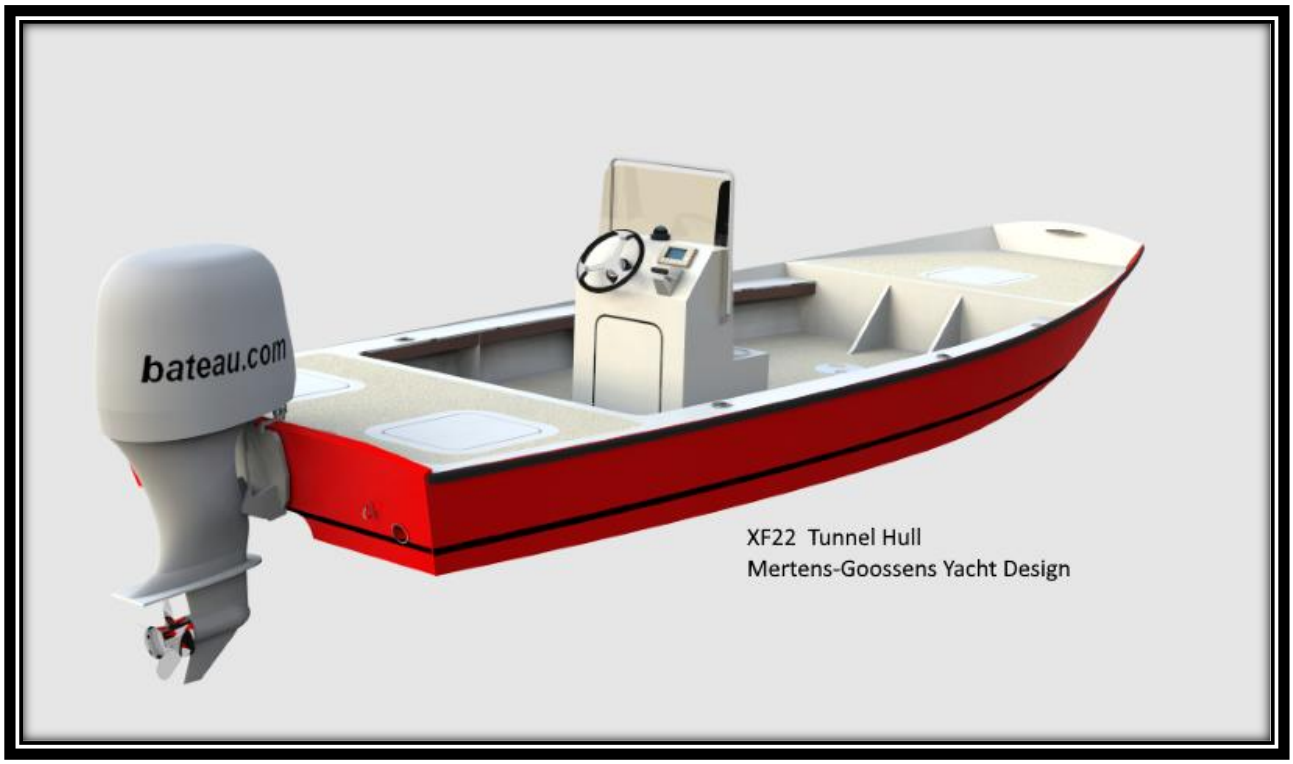

The XF22 is the big brother of our XF20: a very shallow draft tunnel hull designed specifically for fishing the flats without any compromise. Hence the name Extreme Flats 22.

SPECIFICATIONS

LOA	22' 1"'	6.75 m
Max Beam	96"	2.45 m
Hull Draft at DWL	4"	10 cm
Displacement at DWL	3000 lbs.	1.360 liters
PPI at DWL	627 lbs./in	112 kg/ cm
Recommended HP	70 to 115 HPHP	55 to 85 Kw
Material	Plywood Cored Epoxy Composite	

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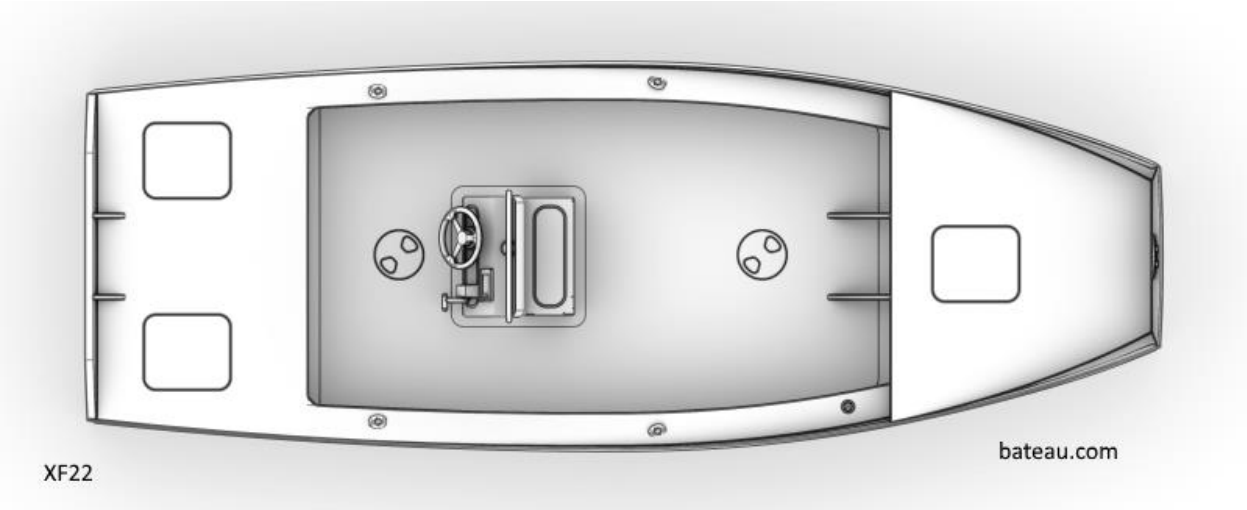
DESCRIPTION

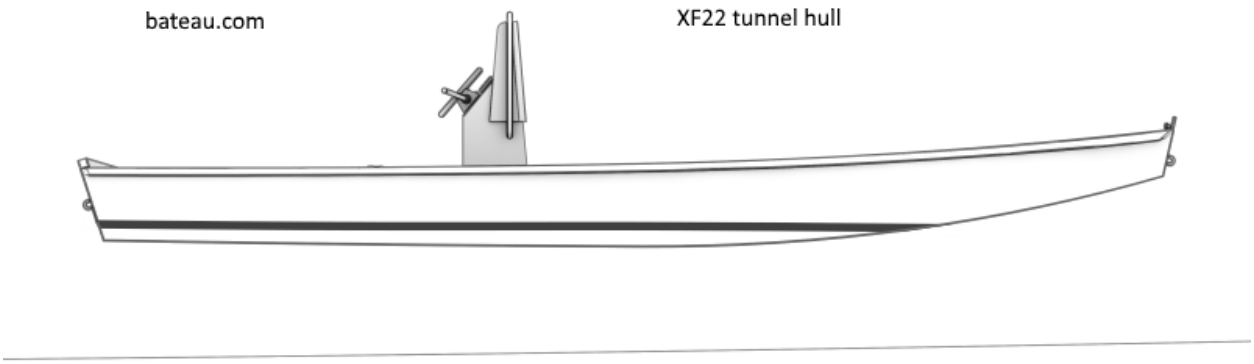


The XF22 is a larger version of our XF20. See the XF20 study plans for an explanation of our tunnel system.

The larger design was requested by fishing guides who needed more room. As can be seen in the XF20 pictures, at our boat builder's meetings, we had close to 20 persons onboard of an XF20 with water barely reaching the scuppers but despite that capacity, some more elbow room is always welcome.

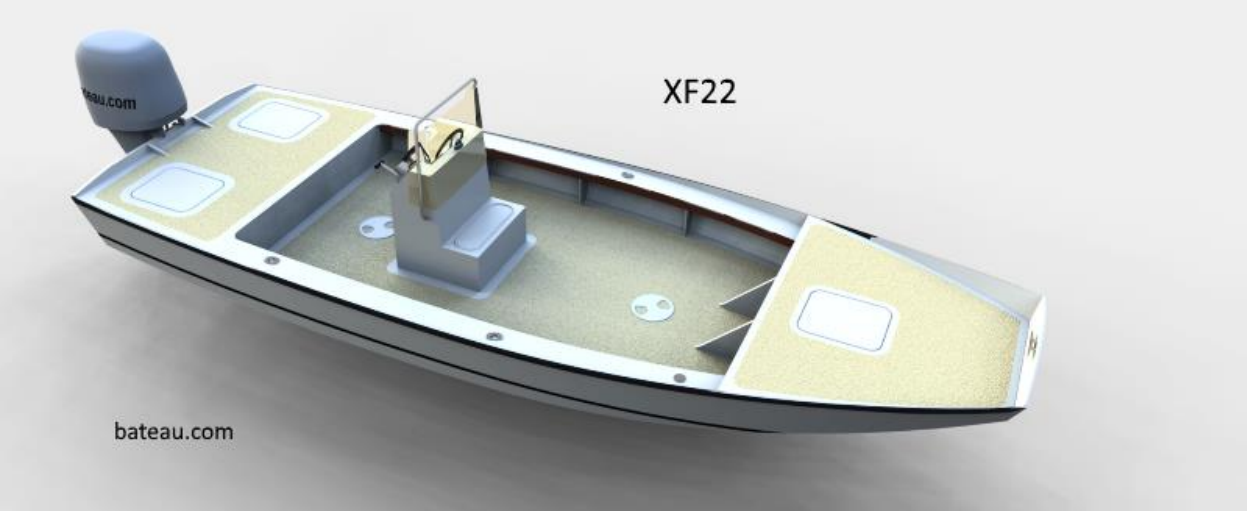
Unlike the light version of the XF20 (the one without a sole), the XF22 was designed from the start for heavy duty use and more HP. The hull framing is tighter and the fiberglass specifications heavier but still, thanks to its' larger water plane, the boat floats in very little water.

The XF22 is designed for an outboard mounted on a bracket.



DRAFT AND DISPLACEMENT

The designed static draft is 4" at a displacement of 3,000 lbs. The XF22 will run in less water than 4" once on plane. Also, the designed displacement is set very high. With a hull that weighs around 600 lbs., a lightly loaded XF22, at around 2,000 lbs., will float in less than 3".



LAYOUT

The layout of the XF22 can be adjusted to the builder's preference. The plans show two different center consoles, a standard one and a very large on as in the picture above. Casting deck and aft deck can be larger or smaller.

As designed, at normal trim, the cockpit is self-bailing up to 5,000 lbs. displacement.

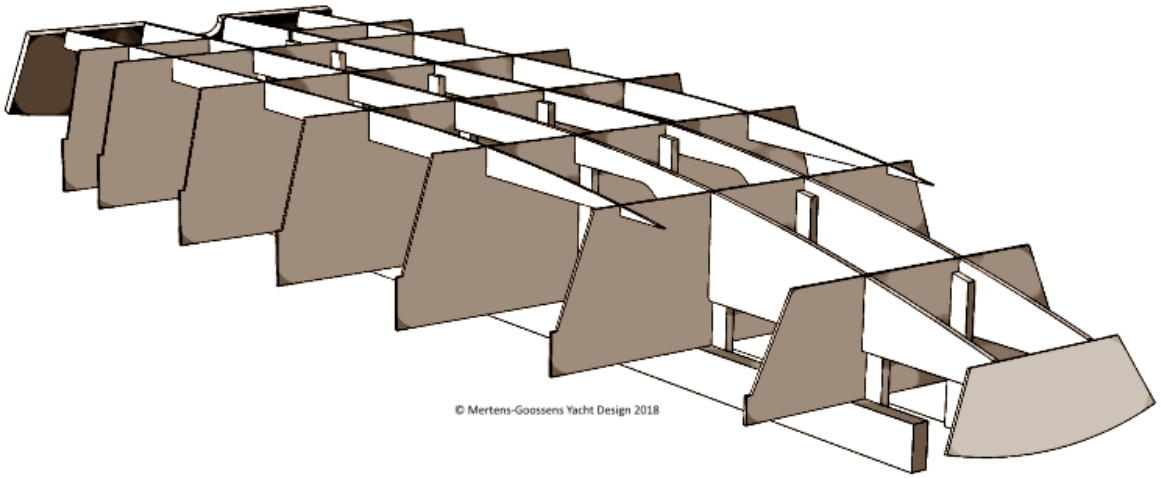
It is also possible to build the boat for tiller steering with a simple bench in the middle and no gunwale.

BUILDING METHOD

The hull material is our well proven epoxy-fiberglass-plywood composite but on request, we will supply specifications for foam sandwich construction. The hull planking is straight forward: all surfaces are 100% developable, no slits to cut in the panels.

REQUIRED SKILLS

Any builder who has successfully completed a boat built on a jig like the FS12, is able to build theXF22 if he devotes enough time and materials to the project. There is nothing complicated about the construction since we worked hard to design an easy to build boat. All hull and deck surfaces are 100% developable and are easy to cut to shape and bend. The plans show dimensions for all those parts.



The plans show dimensions for molds to set up on strong backs, all lined up, with notches in stringers, molds and frames. This allows for a very easy set up with minimal measurements. All molds sit directly on the strongbacks, the stringers fit in notches and set the spacing. The side panels are supported by a notch on the molds. The plans show all dimensions for those parts.

OPTIONS

See the layout section for a choice of console and decks customization.

The XF22 can be built without a tunnel or for an outboard mounted on the transom, with a splash well.

LABOR

The hull shell can be built in 80 hours, but a finished boat will require 100 to 200 hours depending on the level of detail and the skills of the builder.

MORE

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

LICENSE

As with all our plans, you have the right to build one boat from those plans. The designer holds the copyright to the design, and you purchase a license to build one boat. If you plan to build more than one boat, please contact us about licensing fees.

BUILDING STANDARDS

These plans were drafted according to the ABYC rules. The ABYC (American Boat and Yacht Council) defines the boat building standards in collaboration with the USCG. Professional builders may be subject to more requirements. Consult the designer.

The ABYC standards are very close to the ISO norms and CEE requirements but no European certification was applied for since this is not required for amateur boat building in Europe. CEE/ISO certification is available to professional builders for a fee.

BILL OF MATERIALS

Plywood (4x8' – 122x244cm)	
9 mm (3/8")	19
12 mm (1/2")	4
Also see our CNC Kit, which is a precut plywood kit that includes all the plywood needed to build the boat as designed.	
Fiberglass Fabric and Tape	
Fiberglass Biaxial Tape 45/45 12 oz., no mat, 6 in.	165 yards
Stitch mat 1708 50" wide	40 yards
Glass Cloth, 6oz., 50 in. wide for deck	Optional, about 12 yards
Resin	
Epoxy	18 gallons minimum, some will need 30.
Also see our MarinEpoxy or Silvertip Epoxy kits which include all of the epoxy and fiberglass listed.	

This BOM covers all the supplies for this boat as designed. Usage of materials will vary in function of several factors. An experienced builder will use less resin. First time builders always use more resin, take that in account. Our resin usage calculations are based on a 50% glass content. Options, customization, and variations in fabric and foam cutting preferences will also affect the Bill of Materials. Our figures show an estimated average. Small variations in fiberglass specifications are acceptable, consult us for substitutions.

PLANS PACKING LIST

Plans are available in metric or US units.

- B321/1: Specifications
- B321/2: Assembly sequence
- B321/3: Assembly sequence #2
- B321/4: Construction, framing
- B321/5: Construction, profile section
- B321/6: Plywood nesting bottom and sides
- B321/7: Plywood nesting stringers, soles, decks.
- B321/8: Stations dimensions for frames and molds
- B321/9: Stations dimensions for frames and transom
- B321/10: Stations location on jig, notches details
- B321/11: How to cut a mold and set up on jig
- B321/12: Complete jig set up
- B321/13: Stringers with notches
- B321/14: Hull panels unrolled
- B321/15: Tunnel
- B321/16: Sole and deck dimensions
- B321/17: Gunwale version details, splash well option
- B321/18: Standard console with scaling instructions
- B321/19: Large console
- B321/20: Details: limber holes, chase tube, sole butt blocks, rubrail option.
- B321/21: Foam volumes
- B321/22: Typical electrical diagram.

The drawings follow the building sequence.

Drawings layout and numbering is subject to change.