

MINITROLL 27 AND CO

“I sincerely believe that a well-conceived motor-sailer is the most practical, capable, comfortable and economical vessel for serious ocean passagemaking and retaining the ability to explore the most remote coastal areas “, Brian Eiland, said.

The Minitroll Concept is an uncompromisingly cruising-orientated design, with no concessions to racing or modern fashion. The medium displacement with twin keel hull is strongly built for security reliability and comfort for long passages and coastal cruising. The design is from Jean-Pierre Brouns a French Naval Architect involved in sailing, trolling and motor boats for ocean voyaging. Built with passion by a combine highly trained and motivated team.

Minitroll is a pocket ship as no other.

It belongs to the **Troll family** from J-P. Brouns, Naval Architect.

We can summarize its main qualities as follow:

- **KISS** philosophy (Keep It Simple Sailor)
- Stout hull built according to the Strongall® concept developed by Meta in France, crash box and comfortable scantlings.
- Reliable engine (Solas if wanted) and gear.
- Simple interior layout accommodation : it's a “husband and wife” boat, plus from time to time a familiar guest (3 berths)
- Huge range when motor boating (400 litres of fuel): the range is between 800 and 1000 nautical miles.

What is Strongall®?

Strongall® is the patented aluminum boat building method developed by **Meta** (Tarare France). The concept is a self-supporting-hull based on thick plate scantlings. The framing is minimal. This type of construction provides extremely robust and durable construction.

Advantages

- Stronger than steel construction if compared pound to pound.
- 30% roughly lighter than steel.
- Allows higher intensity welding (No possibility of “gluing”) and very good metal fusion
- No plate distortion
- Fair hull surfaces

Architecture: all designs are developed designs.

This technique eliminates metal crystallization, significantly extends fatigue life cycle.

The thickness improved corrosion resistance. All under water parts are treated with inorganic zinc.

The painting is only for cosmetic reasons. Not necessary except of course for underbody.

More than 300 sailing, motoring and trolling boat have been built in Tarare since 1977.

Advantages of aluminum

First of all, the perfect material for boat building doesn't exist! Each material has advantages and disadvantages:

- Aluminum boats are strong
- Aluminum boats are durable
- Aluminum boats are cost efficient for small series building
- Marine grade aluminum is low maintenance (5083 and 5086).
- Aluminum boats maintain their value
- Coherent building: no joints and no leaks
- Aluminum building particularly with Strongall® construction requires minimal structural supports (flexibility for layout accommodation)

Why this layout accommodation?

Very simple : with could have built more berths, but our choice was determinate for life at sea and family cruising.
 Only 3 berths BUT a **huge** possibility of storage +++
 Day area separated (galley, saloon) from night area (berths) and head room.
 Interior helm-station .
 Light full pilot-house.
 Low maintenance materials.
 Access to the cockpit.

Reliable engine

30/40 BHP sail drive, slow rpm, low no
 Vetus, Nanni or Volvo diesel : quality a
 Possibility of bow-thruster (for locks d
 Large range with its 400 litres of fuel w

Specifications

Length over All: 7m99
 Length at Waterline: 7m52
 Length over Perpendicular: 8m05
 Maximal Width: 2m80
 Beam at LWL: 2m31

Draft: 0m95
 Maximal height (pilot house): 1m81
 Bimini height: 2m45
 Maximal height at Mast: 9m40

Displacement: 3100 Kg
 Medium displacement: 3900 kg
 Maximal displacement: 4600 kg

Ballast (lead): 600 kg in the keels

Fuel capacity: 400 L
 Water capacity: 200 L
 Used water: 60 L (holding tank)
 Sail Area: main and jib 24.6m²

European Community Certification :
CATEGORY B

Scantlings

STRONGALL®

Bottom: 8 mm
 Hull sides: 8mm
 Foredeck: 6mm
 Aft deck: 5mm
 Side deck: 5mm
 Roof: 5mm
 Twin keels: 8mm
 Total weight of aluminum: 1404 kg

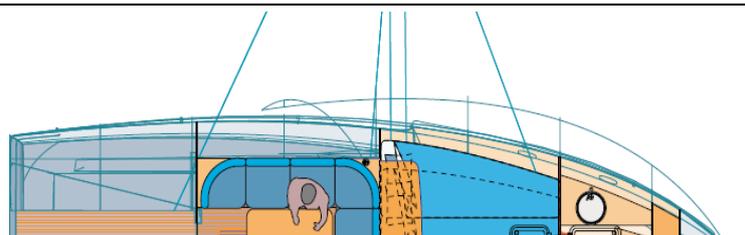
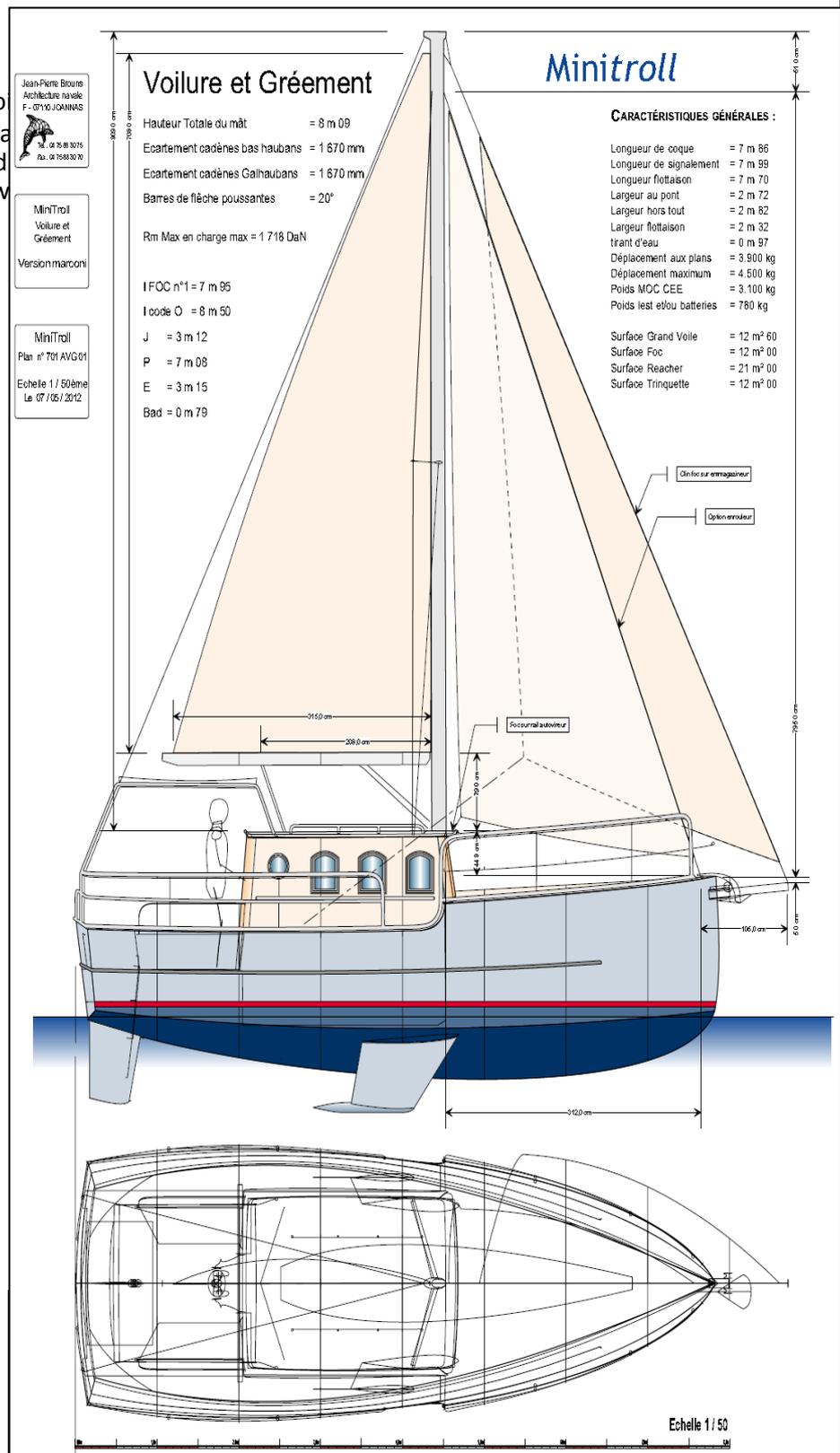
PRICE (plus all applicable taxes)

STANDARD SAIL-AWAY : Euros including SEA TRIAL

INFORMATION DOCUMENTS

PHOTOS NO CONTRACTUAL

INQUIRE FOR COMPLETE DESCRIPTION



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