

## Rapido 60 Power Trimaran (Dive)

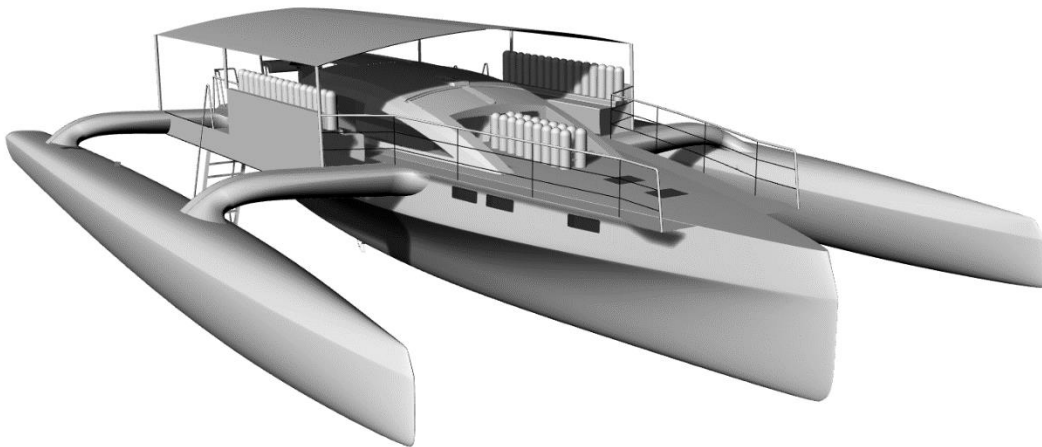
Feb 2021

### Design & Engineering (hull, beams, floats)

- [Morrelli & Melvin Design and Engineering](#), USA

### Standard Specifications

- Length: 18.1m
- Beam: 11.7m
- Draft: 0.75m... ( May vary as there is a skeg to protect the prop and actual loading under operating conditions may impact this)
- Displacement....max load approximately 14,000kg+ (stability analysis will help determine max load and boat will be weighed beforehand)
- Max passengers... about 40 depending on other items loaded and any local regulations
- Headroom: 2.1m average
- Engine 240hp Yanmar...  
4LHA-STP WKM50A gearbox  
Shaft 1 3/4" (with dripless seal)  
Prop 24" Dia (4 blade)  
Alternator charging for batteries
- Yanmar engine control unit at helm position
- Custom helm seat
- Anchor Delta Galvanised 32KG, 10mm short link chain, 70m length
- Bow thruster... SIDEPOWER retractable model SE100
- Diesel fuel tanks...1 x 480L and 1 x 380L. Total fuel = 860 L
- Freshwater tank 1 x 400L
- Blackwater tank 1 x 120L
- Night time navigation lights on short mast  
12V LED cabin lights

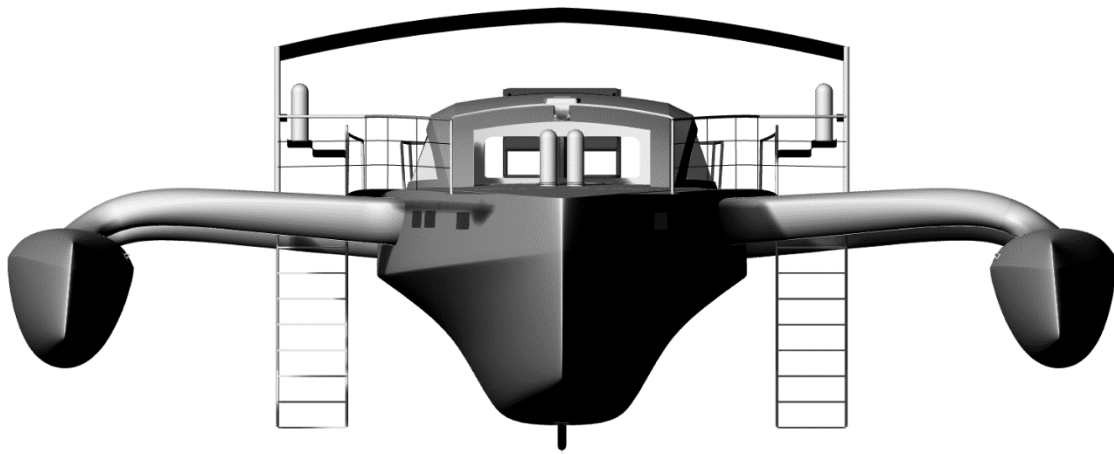


### **Triac Composites Limited**

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- Steering ...hydraulic (hydrive) steering with a stainless steel shaft
- Antifouling
- USB Charging points for phones x 2 and spotlight plug
- Batteries: 2 X 12V (210AH) House batteries joined to make a 24v House system. Also a 24v to 12v converter for 12v systems. Engine starting battery 12v, 120ah
- Wiring all tinned marine grade wire
- Bilge pumps. Engine room has 3700 gph Rule bilge pump plus one manual pump and 800gph automatic bilge pumps in the other compartments.
- Forward cabin has two Jabsco electric toilets, two wash basins with faucets and one shower
- Fire extinguishers 3 x 4.5kg dry powder
- Fresh water pump: Jabsco 15Lpm
- Painted non skid deck painted
- Safety rails bow and stern
- Safety hand rails on coach roof either side
- Galley with sink and fresh water faucet
- Saloon forward two opening Lewmar hatch/ windows
- Solid windows in saloon forward area and open windows for good ventilation
- Bunks for 2–3 crew
  - Custom large hatch covers for each float for ease of access to 4m long storage area
  - Water tight compartments in each float with pump out connections pre installed
  - Water tight compartments in the main hull and where thru fittings these are above the water line where possible
  - Engine room is a water tight compartment designed to contain the water should it enter
  - Floats and main hull to have 316 stainless steel padeyes or cleats for mooring lines and to attach fenders
  - Compass
  - Engine room flood alarm

Construction is fiberglass foam sandwich with carbon reinforcement in critical areas. Beams are prepreg carbon cured in an autoclave (i.e. stronger than steel). Gelcoat finish (no painting required but polishing every 12–24 months a good idea to preserve the gloss). Several water tight compartments.



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