TAG 50

tag YACHTS

TAG50

THE NEXT GENERATION

Introducing the TAG 50, the baby sister of the TAG60.

Greg Young of Young Yacht Design has once again designed a catamaran which pushes the boundaries of catamaran design and how we live aboard. The TAG50 is an evolution of the TAG 60 which provides one with a unique indoor/outdoor environment to enjoy all that life aboard has to offer.

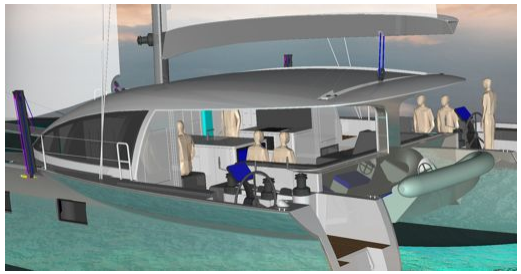
TAG 50 is a perfect blend between sailing enjoyment, cruising comfort, performance and ease of ownership. The unique/innovative layout sets the standard and breaks into new territory altogether. Imagine …… a super yacht size master cabin, full beam cockpit/saloon living areas, 2 private, large guest en-suite cabins, massive galley, dedicated outboard sailing cockpits and much, much more.

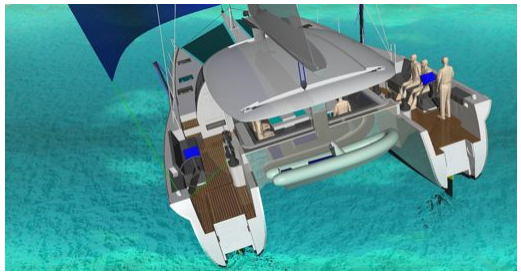
The TAG 50 really delivers. Built to high production standards, the TAG 50 is also affordable, however the bottom-line is the enjoyment of sailing and getting precise feedback and exhilaration at the helm. The TAG 50 is an exciting new addition for TAG yachts. This vessel has a range of unique features that set the TAG 50 apart, yet the overall foundation for this design is based on a very pleasing, timeless aesthetic approach that will not date when compared to more radical designs. The cabin is relatively narrow with long lines. This is a beautiful looking vessel.

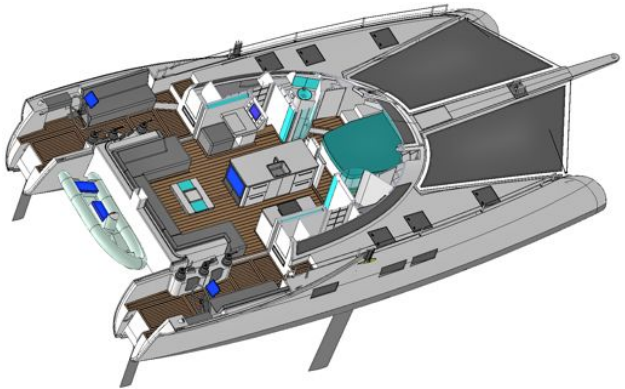
Designed to take you beyond your dreams

EXPLORE AND DISCOVER

Concept and unique features







Design concept

This vessel has a range of unique features that set the TAG 50 apart, yet the overall foundation for this design is based on a very pleasing, timeless aesthetic approach that will not date when compared to more radical designs. The cabin is relatively narrow with long lines. This is a beautiful looking vessel.

Underlining the excellent and exciting appearance, the sailing layout defies convention, yet works so incredibly well. Here are some of the vessels main concept ideas:

Open Plan living – indoor and outdoor become one

Progressing forward from other recent designs by Greg Young, the TAG 50 takes the open plan living concept into new territory. The main saloon has sliding doors that slide away (hidden) and fully open up the main living areas to the outside areas. The solution is extremely simple and opens up the living areas to offer perfect 270deg views and massive air circulation.

Designed for sailing pleasure.

The TAG brand of yachts are designed for excellent sailing qualities to satisfy the enthusiast and then also to provide the best possible living environment to enjoy life on the water where ever you are. The twin sailing cockpits are the perfect place to enjoy sailing. The wheels are located aft and outboard with a perfect view of the rig and waves, not to mention ideal for reversing the vessel into a tight mooring or coming alongside. The main goal of the cockpit is sailing and here we have the sheet winches directly available from the helm position. What makes this layout so appealing is the outboard settee where everyone can sit and enjoy the sailing rather than stuck behind the main cabin and separated from the sailing action.

It has also been designed to sail very well in light air conditions where most yacht will be motoring. The TAG50 will sail faster than the true wind speed from 5 knots of breeze up. The upwind performance rivals that of performance monohulls. This makes for a yacht that can be enjoyed in warm pleasant conditions for both those who are sailing enthusiasts and those along for the ride.

Apartment style living

Moving inside probably the most interesting area is the owner's area of the vessel. Moving forward from the saloon, the bridge deck level master cabin is complete with a walk around/king size bed (1.8m wide), shower and bathroom. The concept is akin to a studio apartment and while it can be closed for full privacy, leaving it open allows views forward and most important is the massive opening forward window/hatch, which allows large volumes of air to pass through the vessel.

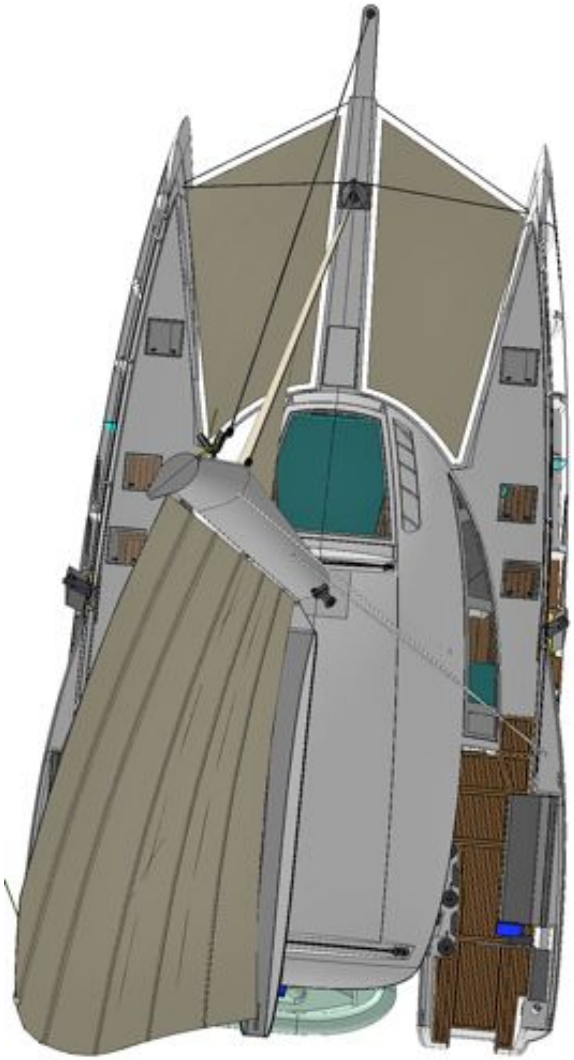
In addition each hull has its own private en-suite cabin, which is normally considered an owners stateroom on most other vessels. In total 3 x owners cabins…..

Unique features

Numerous details within the vessel construction such as built in anchor system within the bowsprit. No forward beam. High aspect daggerboards. Lifting rudder system. Large steering wheels and direct connection for maximum feedback/feel. Large engine room. Unique dining/coffee table/day bed. Large screen TV. Large navigation/office location. Bow crew cabin option. Carbon wing mast option and large sail area. Unique folding swim-ladder and passerelle for stern to mooring. These features are really well done and offer a new take on practical usage. Lets also not forget the Greg Young signature saloon arrangement where indoor and outdoor living spaces blend into one allowing one the option via sliding doors and sash windows, of having an open arrangement for warm conditions and then a variety of options to enclose the saloon at night or in cooler, breezy or wet conditions.

Truly a unique blend of maximum comfort and performance in a 50 foot design

Technical Design Features



Design intention

The TAG 50 design results in a highly detailed production boat while ensuring a competitive market related price.
It has also been designed to sail very well in light air conditions where most yacht will be motoring. The TAG50 will sail faster than the true windspeed from 5 knots of breeze up. The upwind performance rivals that of performance monohulls. This makes for a yacht that can be enjoyed in warm pleasant conditions for both the sailor and those along for the ride.

Construction

The main construction materials are PVC/Corecell cores, E glass fabrics, carbon structural parts, daggerboards/rudders/bowsprit. Vinylester resins, vacuum infused and cooked. The entire vessel is female moulded and uses very detailed tooling to create efficient, integrated structures and interior liners to give 100% accuracy and high levels of finish. Designed and built using the latest 3D technology, the TAG 50 represents the leading edge in production boat building.

Hull design for comfort and performance

The reverse bow shape enhances performance by restricting pitching with lots of low down buoyancy and minimal buoyancy higher up to shed water easily. The bow shape also blends very well into the hull shape which features narrow waterlines and a flattened egg shell section shape to give a high waterplane, and flatter rocker lines which all enhance speed and offer less pitching. The bridge deck clearance is over 1m and combined with reasonable freeboard heights, creating a good offshore sailing vessel. Further enhanced by the chamfer panel design that tapers, the TAG 50 has minimal underdeck structures that waves will hit.

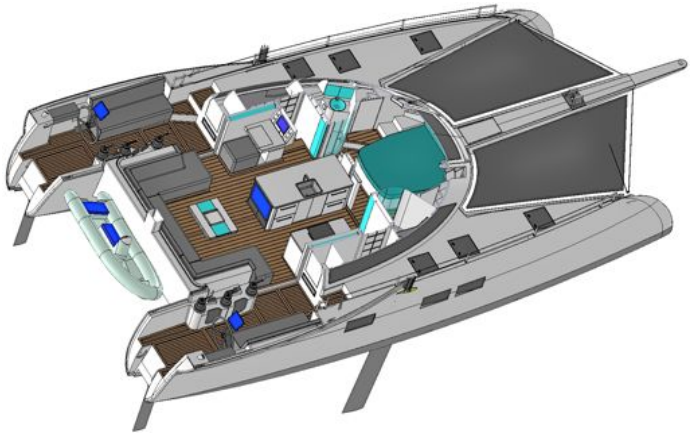
Practical design

Unusually – there is no forward beam. The vessel is sufficiently strong fore and aft that we have been able to remove this weight and drag yet maintain good rig support. The anchor system and furling units are also built into the bowsprit.
High aspect daggerboards allow for maximum upwind pointing ability. Angled at 5deg outboard, the daggeboards are raised and lowered manually via a simple purchase system. Rudders also raise and lower manually via a rudder/quadrant design. They are high aspect and offer perfect helm feedback due to the large wheel and quadrant set up.

Overall the TAG 50 is designed for high sailing performance and enjoyment and this feature should not be overlooked.

Apartment style Living

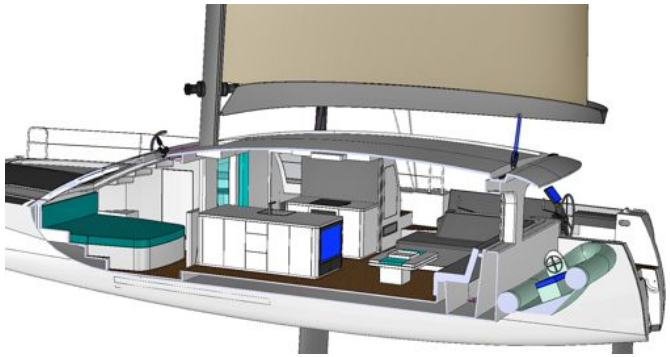
Lounging, dining, relaxing all in one



Instead of creating both an internal dining area and similar exterior dining area we have been able to create a single large area that combines these spaces and for greater use of space. The saloon can seat 10 people with ease as well as 8 for dining (great for when you have guests on-board).
The dining table is a special design that has 4 modes:

1. Coffee table with cup tray built in to keep drinks safe when sailing
2. 50% dining table for corner seating when raised to table height
3. 100% full size dining table that can seat 8 people with real comfort and space
4. Table can be lowered and set up as a large day bed with 2 fill in cushions. Ideal for watching movies on the 42 flat screen or simply relaxing.

The headroom in the TAG 50 saloon is outstanding with 2.3m in many places, 2m is the minimum. What's unusual is that normally cats have cabins that are wide and short fore and aft, the TAG 50 enclosed living area is very large and unusual for this size of catamaran.



Cooking

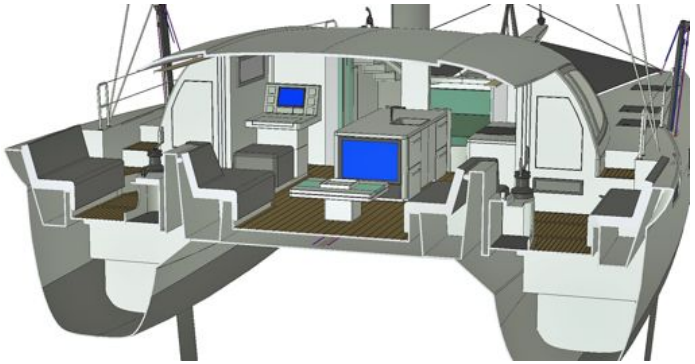
The galley is much like its larger sister – the TAG 60. The central galley bench is 1m wide, which has created a lot of useable bench space. There is ample room for 4x fridge draws, proper rubbish bin and storage. Outboard is the stove bench and again this has significant bench space for a large electric cook top or gas cooktop, with a built in convention microwave oven and/or grill. Additionally there is a full set of large draws, pots and pans storage and a daily use food storage pantry. Above the stove is an extractor with food storage lockers each side.
Overall the galley is exceptional and you can really live on-board and create wonderful meals and circulate freely with the open plan design. Quite unusual on a cat this size and performance.

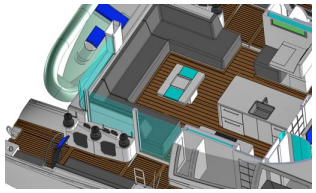
Navigating

The navigation/office table is to port and has a large enough table top to accommodate normal size paper charts, laptops etc. and with lid storage, large storage locker under and an instrument unit large enough for a chart plotter and all necessary vessel gauges and communications. This is the nerve centre for running the on-board systems.

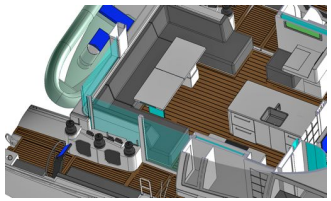
Master Cabin – Studio Style

The Master cabin is on the bridgedeck level and when living aboard on your own, you have your own studio apartment. It opens up via sliding doors allowing the air to flow through, when the window hatch above the main bed is open, acting as a windscoop area. The master cabin boasts a king size walk around bed, separate shower and toilet areas, ample storage and space. Its hard to think you are on a 50 ft yacht.

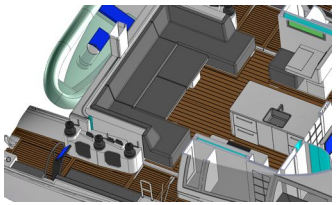




Coffee



Dining



Relaxing

outdoor

Foredeck

There many unique systems which are designed for ease of use and ultimately safety.

The removable bowsprit reduces the size of the yacht when docking. All furling lines are led aft to the cockpit which means no one has to go up onto the foredeck whilst sailing.

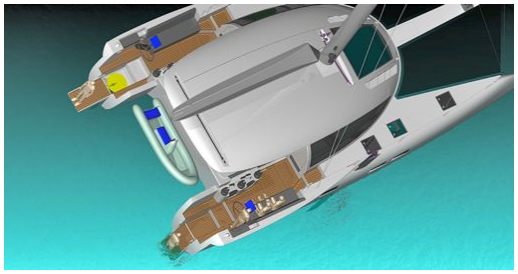
The helmsman can therefore sail single handed if he likes. The trampolines are always a favourite place and with the dual mesh concept, they are comfortable to both walk and lounge on. The trampoline extends beyond the forestay and this is the ideal dolphin viewing vantage point and there is no cross beam or bobstay to catch spray so you stay dry for longer.

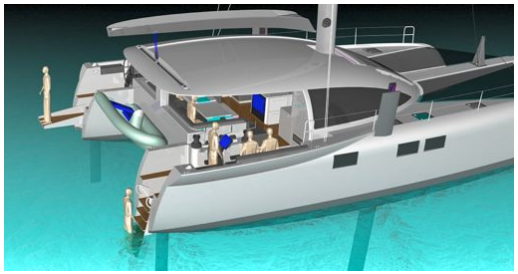
Aft Deck

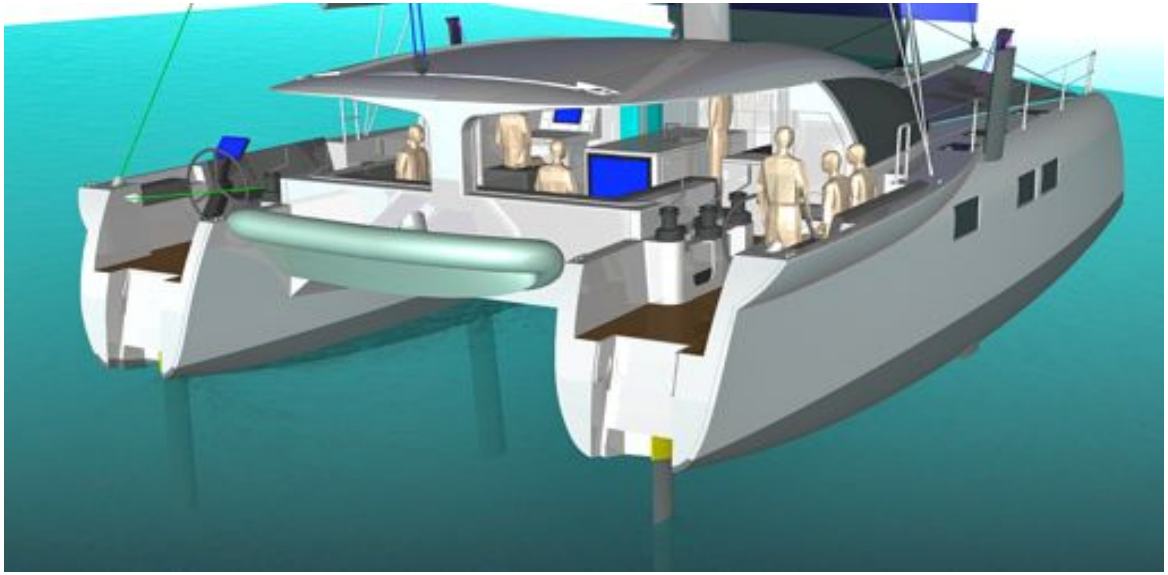
The cockpits are designed for sailing pleasure and functionality for both the sailors and those onboard for the ride. The layout is functionally designed for direct easy access to all controls and a great position to view the course ahead and the sails.

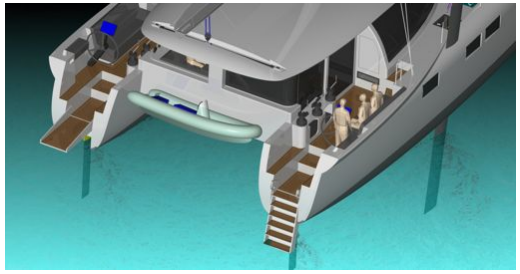
Once at anchor the transom areas behind the helm station fold back to provide a solid and stable swim ladder on the starboard side and a passerelle or dinghy loading platform on the port side.

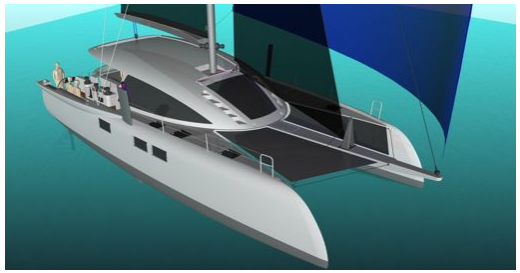
The saloon and cockpit relationship is also unique where the walls/doors of the saloon slide away to completely open the inside to the outside. Without the corner posts is difficult to distinguish between indoors and outdoors. This adaptability accommodates for both hot and cold conditions.



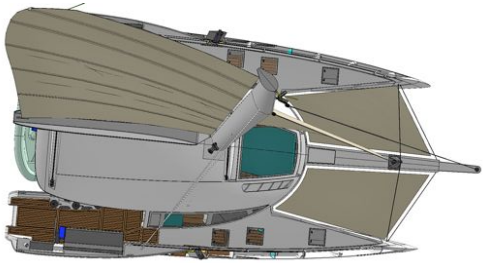








SAILING



The TAG 50 is a genuine performance sailing cat.

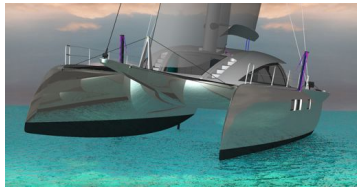
It belongs to the new breed of sailor who wants to have his cake and eat it.

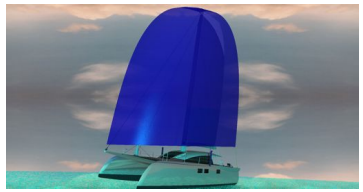
The basics of a performance sailing multihull are:

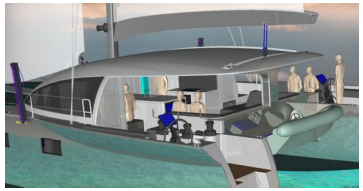
- Light weight with optimal weight concentrations
- Sufficiently large sail area
- Slender hulls with high bridge deck clearance, easily driven through a range of wave states, with lots of low down buoyancy forward/wave piercing bow shape
- Stiff structure (less platform torsion for improved rig tensions)
- High aspect, performance foils for greater lift for less drag
- Light, stiff rig
- Upwind angles to rival performance monohulls
- Sailing at greater than the true wind speed up into the mid teens

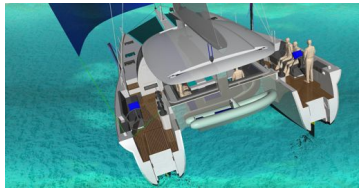
The sum of all details in all aspects of vessel design and construction Combine these needs with the needs of handling and safety and you have the TAG 50.

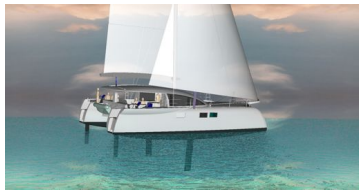
The rig specifications vary between the models from and easy to use reliable and solid aluminium rig to a fixed carbon rig and then the full race specification Carbon rotating wing mast. Each designed to get you sailing the TAG50 easily and efficiently to your expectations. Deck hardware is Harken throughout.







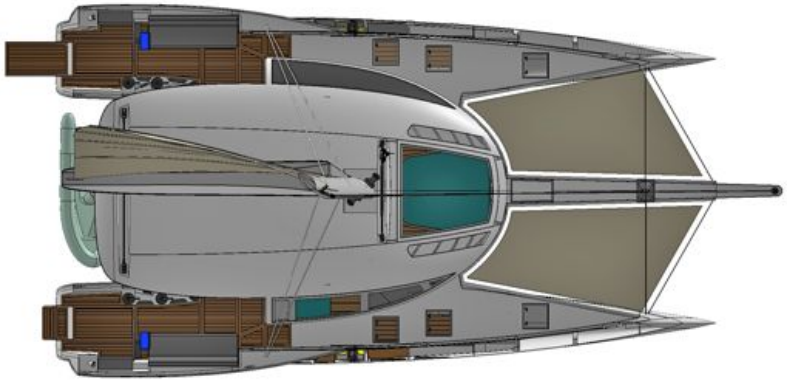




Specifications

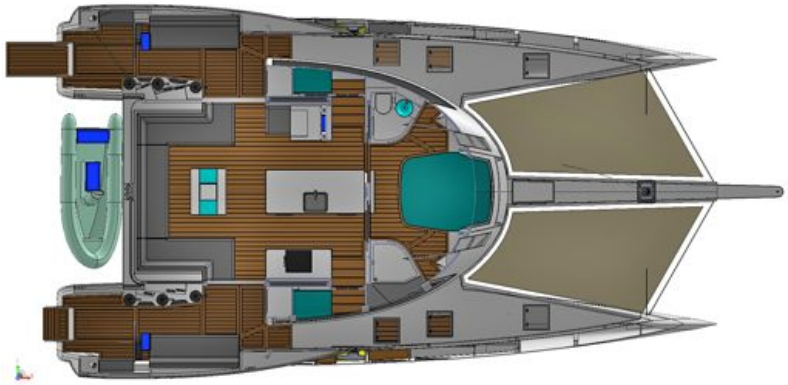
TAG 50 MODELS	Cruise	GT	XR
CRUISE – Infused Vinylester foam sandwich construction gelcoat finish. Aluminium rig.			
GT – Infused Vinylester foam sandwich construction, gelcoat finish. Fixed carbon rig.			
XR - Full carbon high performance with extended rig and powerful sail plan. Painted finish			
DESIGN			
Design – Greg Young of Young Yacht Design			
Engineering Design – Rivoyre France			
Rig Design – Rivoyre France			
STANDARDS			
The TAG50 is built to CE standards	**S**	**S**	**S**
Class A – Open Ocean Vessel	**S**	**S**	**S**
DIMENSIONS	**Cruise**	**GT**	**XR**
Length(LOA)	15.0m	15.0m	15.0m
Length(DWL)	14.6m	14.6m	14.6m
Beam overall	8.4m	8.4m	8.4m
Draft Hull	0.55m	0.55m	0.55m
Draft Rudder (retractable)	1.5m	1.5m	1.5m
Draft Daggerboard	2.7m	2.7m	2.7m
Bridgedeck Clearance	1.0m	1.0m	1.0m
Displacement with no payload	9000kg	9000kgs	8500kgs
Displacement with 100% payload (3,000kg)	11,000kg	11,000kgs	10,500kgs
Fuel capacity	800 litres	800 litres	800 litres
Water capacity	800 litres	800 litres	800 litres
Black water capacity	600 litres	600 litres	600 litres
RIG DIMENSIONS	**Cruise**	**GT**	**XR**
Height to top of mast above water	22.0m	25.3m	25.3m
Mast length	19.7m	22.0m	22.0m
Boom length	6.5m	6.8m	6.8m
Sail area upwind (Main and Self tacking headsail) 20 knots plus	142m2	164m2	164m2
Sail area upwind (Main and Light Air headsail and mast) up to 20 knots	285m2	231m2	231m2
Mainsail area	95m2	108m2	108m2
Self tacking headsail	47m2	56m2	56m2
Code Zero(optional)	145m2	176m2	176m2
Asymmetric Gennaker	220m2	250m2	250m2

Deck Plan



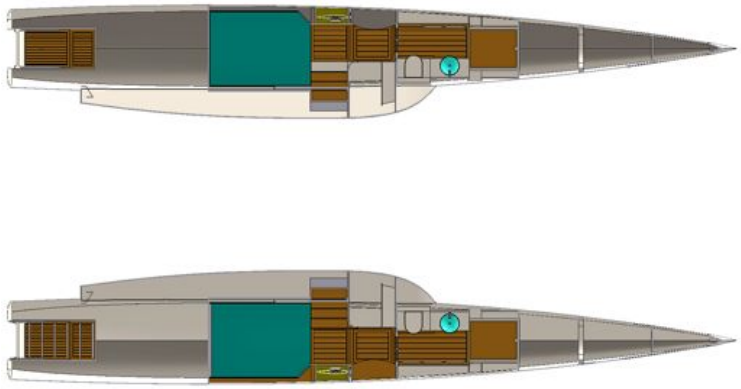
- Dual Helm Stations with excellent view of sails and course ahead
- Level decks with all lines below deck
- Wide transoms with deck showers
- Dinghy hoist from Coachroof
- Dual Cockpits seating for 4 per side
- Aft deck seating with Basin and BBQ
- Foredeck – Large trampolines with dual mesh for comfort
- Integrated anchor system in compression beam
- Biminis over both cockpits

Bridgedeck Plan



- Master Cabin on Bridgedeck, walk around bed, separate shower and toilet
- Moonroof window forexcellent ventilation and stargazing
- Unique indoor/outdoor saloon with 100% slide away doors and aft sash windows
- Galley open plan with ample space, and views and breakfast counter
- Fwd facing navigation station

Hull Accomodation Plan



- 3 Cabin Layout – 1 x Master, 2 x Double Owner style cabins
- Hull Cabin – 2.1m x 1.5m double beds
- Dressing and storage area
- XL Head/bathroom with separate shower

Technical Layout

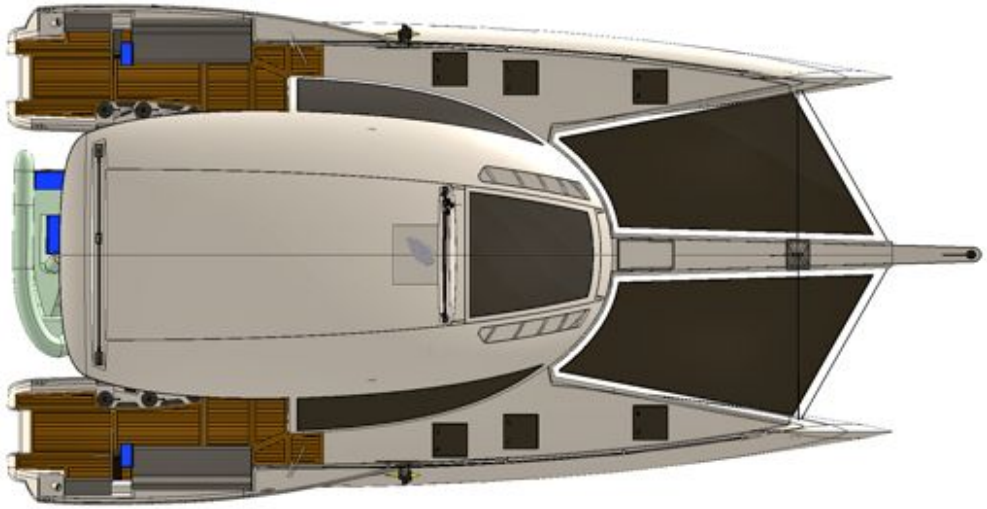
PORT Engine Room
•39 hp Yanmar Diesel in sound shield
•SD60 SAIL Drive
•Autoprops(optional)
•Engine Room bilge pump
•Scuba Compressor (option)

PORT Midships
• 50Liter Grey Water tank
•200Liter Blackwater tank
•Main Bilge Pump

PORT FWD
• 50 L Hot water Calorifier
•400Liter Main Diesel Tank
•400Liter Water Tank
•Sender unit for Navigation

PORT BOW LOCKER
• 6kw AC Generator – Fisher Panda
•Sail and Rigging storage
•Bow Bilge Pump

Aft Deck
•Integral Gas BBQ
•Gas Locker with drain
•Deckwash(optional)
•Hot and cold shower
•Dinghy hoist from Coachroof
•STB transom fold out swim ladder
•Port transom fold out Passerelle



Anchor Locker
•1500W windlass
•Delta 40 Anchor
•75m 10mm chain
•Windlass Remote (optional)

Bowsprit
•Removeable Bowsprit
•Furler for Code or Gennaker sails

Navigation station
•MASTERVOLT Electrical package
•MASTERVOLT Battery pack
•SIMRAD Navigation package
•VHF and communications
•Power management control panels

STB Engine Room
•39 hp Yanmar Diesel in sound shield
•SD60 SAIL Drive
•Autoprops(optional)
•Autopilot
•Engine Room Bilge pump

STB Midships
• 50Liter Grey Water tank
•200Liter Blackwater tank
•Main Bilge Pump

STB FWD
•400Liter Main Diesel Tank
•400Liter Water Tank
•Sender unit for Navigation

STARBOARD BOW LOCKER
• 400 GPD Watermaker (option)
•200L Auxilary Diesel Tank
•Storage or Workshop with shelving
•Bow Bilge Pump

PROPULSION
•2 x 39hp Yanmar diesels
•2x SD60 Sail drives
•2 x Autoprops Feathering
•Optional Hybrid generator/engine

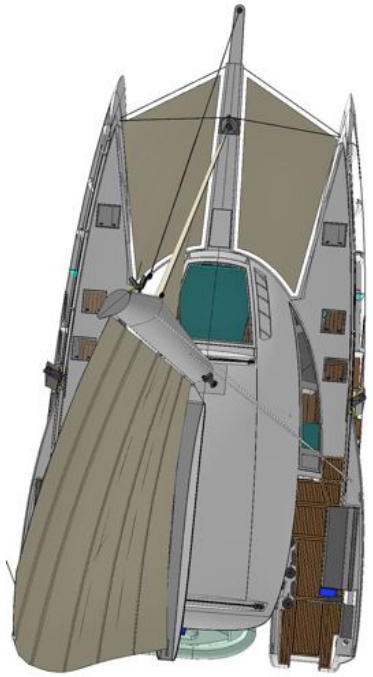
ELECTRICAL
•Mastervolt digital switching system
•720Ah 12V gel battery Pack
• Mastervolt chargemaster 100/24
•2.5kva Mastervolt inverter
•Mastervolt Mass GI shorepower
•Roca LED lighting
•Digital switching option

PLUMBING
•2 x 400L water tanks
•1 x Spectra Newport 400 watermaker (option)
•Vetus Electric toilet system
•Grey water system
•Black water system
•2 x Manual bilge pumps
•6 x Electric bilge pumps
•1x 50 L water heater

STEERING
•Edson cable steering system
•Balanced high aspect rudder blades
•SIMRAD Autopilot system
•Emergency Steering
•Custom Composite Steering wheels

DECK
•Harken Sail handling systems
•Spinlock
•Marlow and Southern Ropes running rigging
•Folding Cleats
•Flush Hatches
•Level decks
•All control lines below deck

SAILS AND RIGGING



CRUISE SAIL PLAN

- 19.7m Fixed Aluminium mast with SS 1 x 19 standing rigging
- Mainsail – 95sqm Square top, Ullman Endurance series
- Self tacking Jib – 45 sqm Ullman Endurance series
- Code 0 – 145sqm Ullman (option)
- Asymmetric Topdown Furling Gennaker – 220sqm Ullman(option)
- OPTION – Upgrade to Premier series

GT SAIL PLAN

- 22.0m Fixed Carbon Mast
- K49 Standing Rigging
- Mainsail – 108sqm Square top, Ullman Fiberpath series
- Self tacking Jib – 56 sqm Ullman Fiberpath series
- Code 0 – 176sqm Ullman Fiberpath (option)
- Asymmetric Topdown Furling Gennaker – 250sqm (option)

XR SAIL PLAN

- 22.0m Rotating Carbon Wing Mast
- PBO Standing Rigging
- Mainsail – 108sqm Square top, Ullman Fiberpath series
- Self tacking Jib – 56 sqm Ullman Fiberpath series
- Code 0 – 176sqm Ullman Fiberpath (option)
- Asymmetric Topdown Furling Gennaker – 250sqm (option)
- OPTION – Upgrade to Club Racing series

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