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# ITA 14.99D

## Technical Specification

### Diesel

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## ITA14.99D Characteristics

Length Overall (LOA)	14.99 m	49.18 ft
Beam Overall (BOA)	7.80 m	25.59 ft
Hull Beam	1.50 m	4.92 ft
Hull Draft	0.65 m	2.13 ft
Hull Draft (Daggerboards Down)	2.50 m	8.20 ft
Hull Draft (Daggerboards Up)	1.20 m	3.94 ft
Light Displacement	10.5 t	23148.54 lb
Full Displacement	14.5 t	31967.03 lb
Bridgedeck Height (Full Loaded)	0.92 m	3.02 ft
Saloon Headroom	2.1 m	6.89 ft
Hull Headroom	2,0 m	6.56 ft
Mast Length	21.5 m	70.54 ft
Air Draft	23.60 m	77.43 ft
<b>SAIL AREAS (suggested)</b>		
Mainsail	91 m <sup>2</sup>	979.52 ft <sup>2</sup>
Self-Tacking Jib	49 m <sup>2</sup>	527.43 ft <sup>2</sup>
Staysail	24 m <sup>2</sup>	258.33 ft <sup>2</sup>
Code 0	90 m <sup>2</sup>	968.75 ft <sup>2</sup>
Gennaker	140 m <sup>2</sup>	1506.95 ft <sup>2</sup>
Spinnaker	180 m <sup>2</sup>	1937.50 ft <sup>2</sup>
Engines	2 x 30 HP YANMAR Propulsion	
Certification	CE Cat. A, B, C	
Architect & Interior Design	Yacht Design Collective/Itacatamarans/Emanuele Soli	

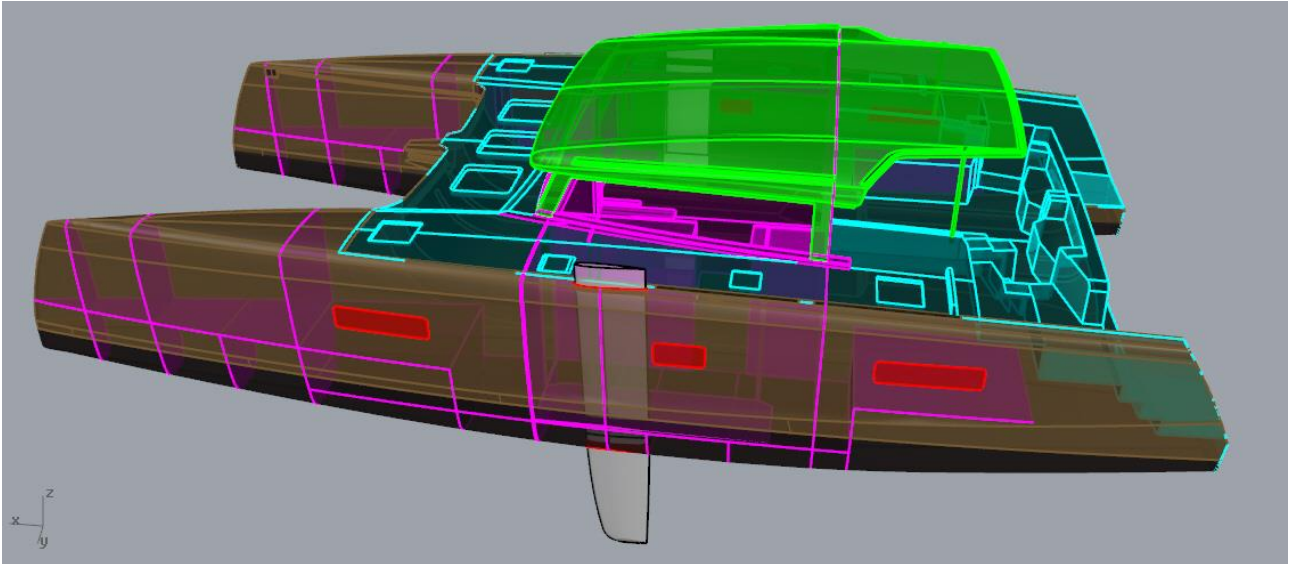
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## COMPOSITE

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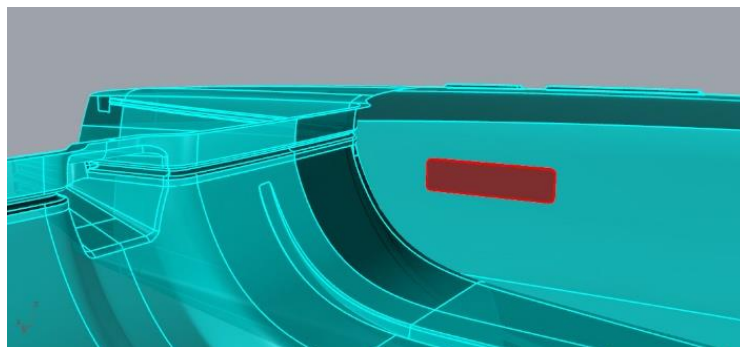


### HULL, DECK AND ROOF CONSTRUCTION

FEA structural calculation

- Structural analysis with vessel's global hull plating 3D finite elements meshing
- Stresses and safety margins calculations
- Definitive scantling and final optimization of the lamination plan

All components are laminated in female moulds.



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All components are vacuum infused with EPOXY RESIN and post-cured using:

- Multiaxial E-Glass and additional unidirectional modulus CARBON fibres for maximum rigidity and strength
- CORECELL™ M as sandwich core for hull, deck, roof and all main composite parts
- CORECELL™ M foam sandwich core for bulkheads and secondary structures

and submitted to a final post cure process to optimize mechanical characteristics.

Hulls, bridge deck and top of the bows are infused as one unique monolithic component, without junctions and secondary laminations, to obtain an integral structure with the lightest weight.

Primary bulkheads are glued and laminated on both sides.

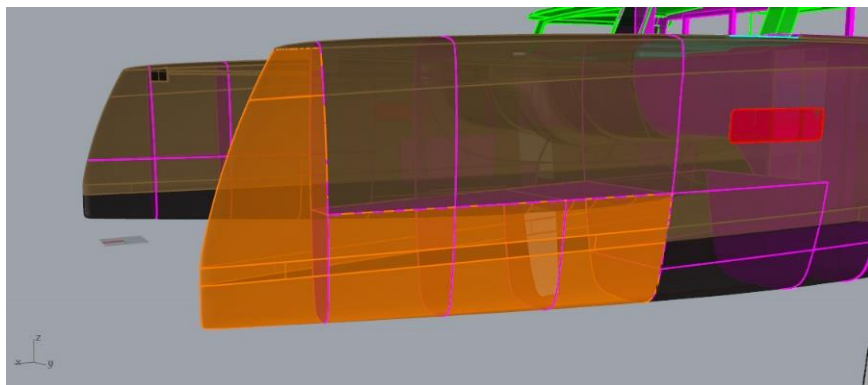
Deck is also laminated as one component with all deck fittings in solid monolithic laminate, waterproof marine plywood and high density foam for high load areas such as winch pads, rope stoppers, padeyes, tracks.

Deck to hull junction is bonded with structural glue and fully laminated to achieve a monolithic structure using biaxial fibers to maximize load distribution.

Dagger boards are vacuum infused with EPOXY RESIN using biaxial fibres, unidirectional carbon and high density foam.

Dagger board trunks and chain plates are laminated and reinforced with unidirectional carbon and wrapped with biaxial fibers.

Hulls are built with 4 watertight bulkheads and 4 crash boxes for extra total safety in case of impact.



The complete lamination process and all its parameters are strictly controlled and documented by a specific Quality Control Procedure.

#### PAINTING

Hull: Gelcoat White RAL 9010. Other colours also possible (OPT).

Deck/Roof: Gelcoat Traffic White RAL 9010 with anti-skid paint.

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## INTERIOR LAYOUT

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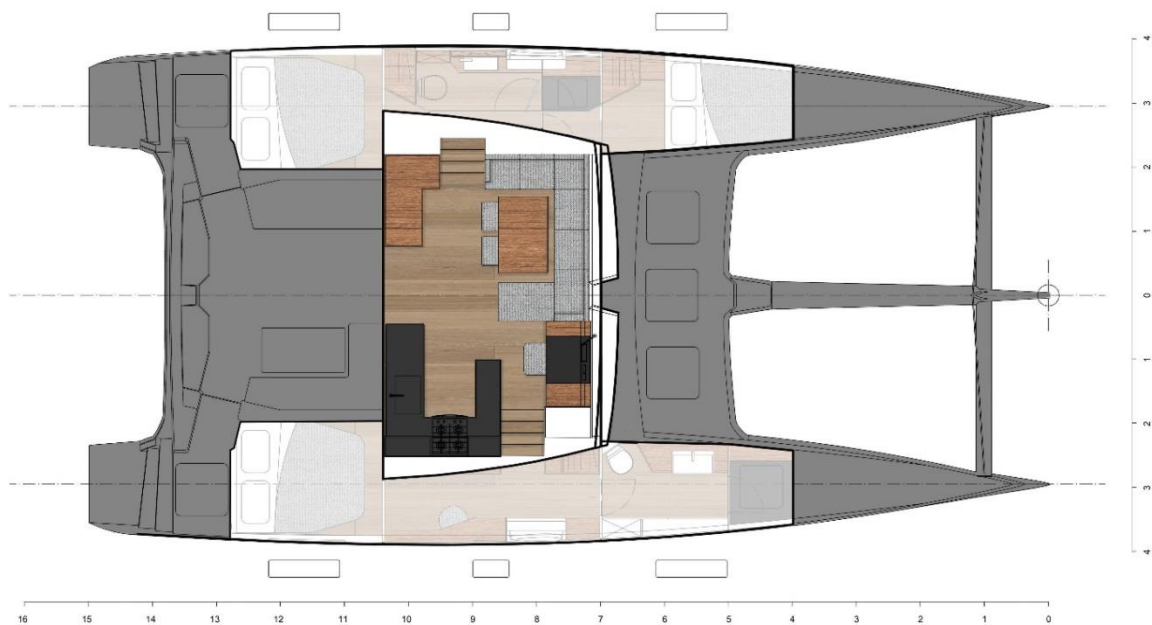
### INSIDE EQUIPMENT

All glasses are tempered safety glass and are 6-8 mm thick throughout the boat.

All furniture is made with:

- SUPERLIGHT BLOCKBOARD shock-resistant sandwich balsa core
- Real teak veneer on both external and internal sides of furniture
- 2 standard varnished wood veneers are available from ALPI collections: Teak and Oak. Other options also available.

Floors are made with high quality synthetic wood for ease of care. Real wood floors also possible as an OPT.



### SALON

Comfortable and spacious living area with unobstructed 360° view through Tinted Safety glass.

All furniture is custom crafted with quality shock resistant real wood, cored with balsa sandwich for lightness and mechanical strength.

Salon to Port has a large U-shaped settee with comfortable seating area cushions.

Wide storage capacity beneath all of the seating. As an OPT it is possible to have drawers at each end of the settee for additional ease of access.

Fixed dining table (1250 x 900 mm) which can accommodate 8-10 guests.

Cabinetry along the Port Cockpit Bulkhead for additional fridge or freezer, storage, or TV lift (OPT). The spacious cabinetry is customizable with 2 or 3 interior modular shelves.

1 x 220V AC electrical socket.

LED lighting.

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## UPHOLSTERY

Interior is fitted with strong, lightweight and durable technical fabrics which are UV stabilized. The cushions' backside are fitted with mesh for optimal airing. All cushions are made with high resilience foam and removable covers, 10 cm thick and available as various standard colours. All panels are covered in Sunset Soft Bianco Perla for easy maintenance.

## NAVIGATION STATION

Starboard large chart table with a complete panoramic view.

Ergonomic console for navigation and communication instruments.

Console with 1 x 220V AC and 1 x USB electrical sockets.

Large cabinet outboard with 3 drawers (190 x 520 cm large) for navigation charts and books. Possibility to add an additional 4<sup>th</sup> drawer as an OPT.

White/Red LED adjustable lamp.

### STD U-shaped layout



## GALLEY

Standard starboard U-shaped galley with wood countertop opening unto the cockpit.

Large stainless sink (app. 60 x 45cm) with quality fixtures, hot/cold running water and side draining surface.

Spacious 4-drawer cupboard to the right of sink.

Large storage under the countertop and below the sink.

Flush mounted induction stove top and separate built-in electric oven.

Large 2-drawers 130 L refrigerator

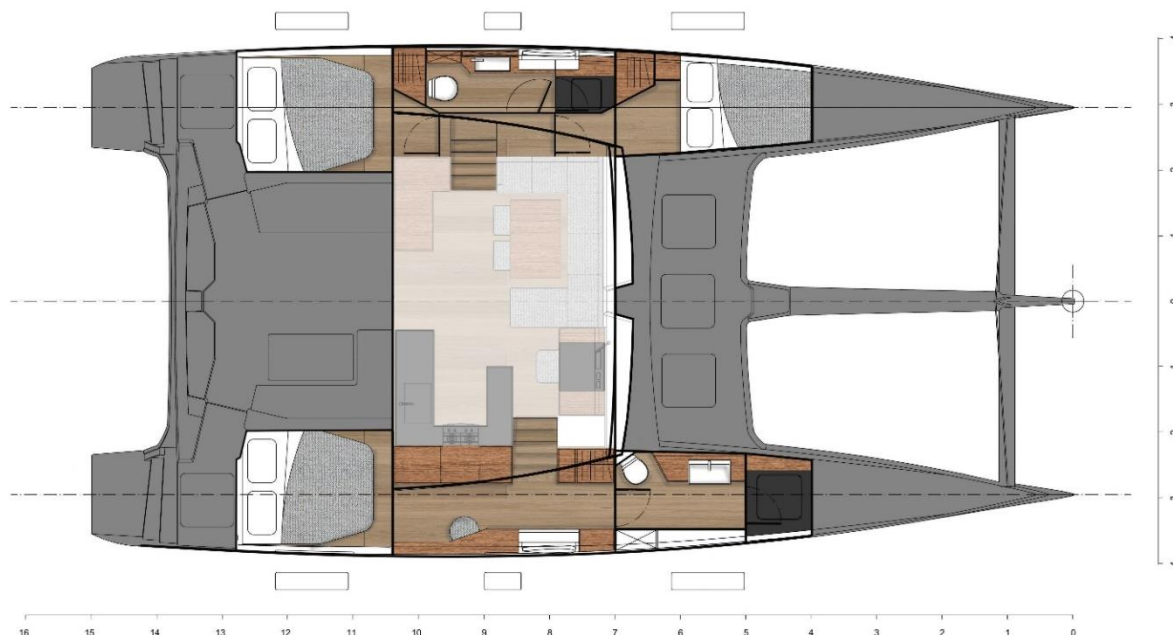
Additional space for personalization (eg. microwave, wine glass shelves -OPT).

1 x 220V AC electrical socket.

LED lighting over area.

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## STARBOARD OWNER'S HULL

### CABIN

Access to hull via sliding wooden door for total cabin privacy.

Queen size bed: length 2.00 m, width 1.60 m, 12 cm high comfort mattress with washable cover.

Lateral step for easy access to the bed.

Inboard books shelf.

Settee next to bed with internal storage.

2 x LED reading lamps at head of the bed.

Large fixed tempered glass window (1190 x 285 mm) to the hull side.

Large fixed glass window (1280 x 390 mm) on aft bulkhead made of tinted Tempered glass.

1 x 220V AC electrical socket.

### HALLWAY/MIDSHIP

Inboard spacious multiple wardrobe lockers with drawers, shelves and closet.

Outboard shelf which can become a small desk.

Fixed tempered glass window (585 x 285 mm) to the hull side.

Fixed tempered glass escape hatch (570 x 500 mm) under stairs to the internal hull side.

### BATHROOM

Spacious inboard wooden counter with double cupboard storage below.

Corian sink basin and stainless tap with hot/cold running water.

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Large wall double mirror above counter, fixed on cupboard with double storage.

Inboard manual toilet.

Wide separate shower with indented seat/shelve.

Fixed tempered glass window (1190 x 285 mm) to the hull side.

1 x 220V AC electrical socket.

## PORTBOARD GUEST'S HULL

### AFT CABIN

Wooden door for closing the cabin for total privacy.

Bed: length 2.00 m, width 1.60 m, 12 cm high, comfort mattress with washable cover.

Lateral step for easy access to the bed.

Inboard books shelf.

Outboard wardrobe (closet and drawers).

2 x LED reading lamps at head of the bed.

Large fixed tempered glass window (1190 x 285 mm) to the hull side.

Large fixed tempered glass window (1280 x 390 mm) to the stern.

1 x 220V AC electrical socket.

### HALLWAY

Access via door to cabins and central bathroom.

Fixed escape glass hatch (570 x 500 mm) under stairs to the internal hull side.

### CENTRAL GUEST BATHROOM

Outboard counter with large double cupboard storage below.

Corian basin and stainless tap with hot/cold running water.

Wall mirror above counter, fixed on cupboard with double storage.

Manual toilet.

Wide separate shower.

Fixed tempered glass window (585 x 285 mm) to the hull side.

1 x 220V AC electrical socket.

### FRONT CABIN

Wooden door for closing the cabin.

Bed: length 2.00 m, width 1.45/1.35 m, 12 cm high-comfort mattress with washable cover.

Outboard wardrobe (closet and drawers).

2 x LED reading lamps at head of the bed.

Large fixed tempered glass window (1190 x 285 mm) to the hull side.

1 x 220V AC electrical socket.

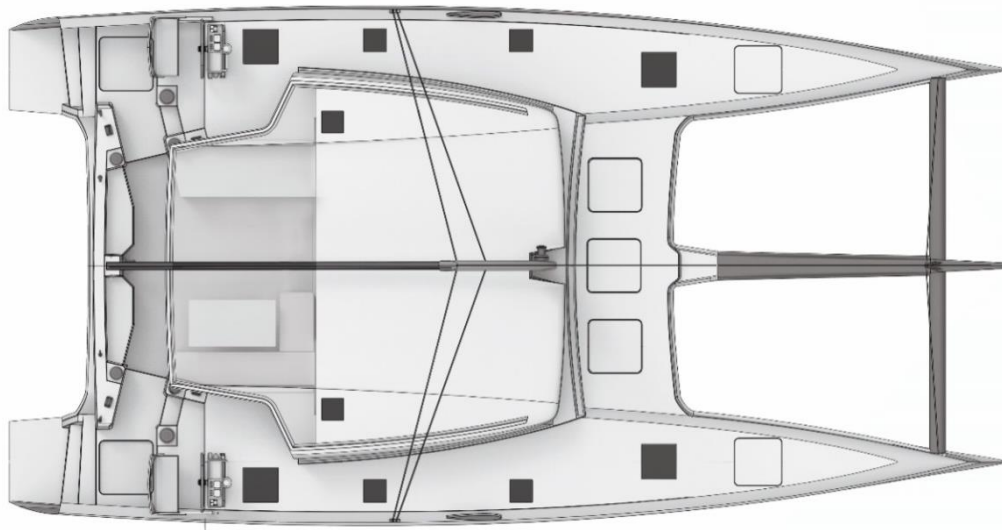
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## DECK LAYOUT & RIGGING

### STANDING RIGGING



Anodized Aluminium mast.

AISI 316 Stainless Steel 1 x 19 wires standing rigging.

Access step for access to roof.

Anodized Aluminium boom with internal single line reefings, with 2 reefs, OPT 3 reefs.

Padeyes for lazy jack.

1 x Windex on mast head.

Regulatory navigation lights (port, starboard, stern, masthead, mooring).

Composite Forward Crossbeam and compression beam/bowsprit with built-in Primary Anchor Roller

Carbon Martingale with AISI 316 Stainless Steel rigging

Structural Solent (Jib) roller furler on AISI 316 Stainless Steel 1 x 19 wires headstay.

### RUNNING RIGGING & DECK GEAR

2 x 50.2 STA winch on mast (halyards, reefs, topping lift).

2 x 50.2 STA mainsheets winches (mainsail, tender lift) .

2 x 50.2 STA primary inboard winches (jib sheets, daggerboards, gennaker and Code 0 sheets).

1 x Dual Mainsail sheets (i.e. Triangular bridle system).

Self-tacking jib on jib track with ball-bearing jib car .

Rope clutches for control lines on deck and mast.

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## DECK FITTINGS

- 3 x flush deck composite hatches in front of mast (700 X 700 mm) (OPT 800 x 800)
- 2 x flush deck composite hatches for access to sail lockers (700 mm x 700 mm)
- 2 x flush deck composite hatches for access to engine room ((700 mm x 700 mm) (OPT 800 x 800)
- 2 x flush deck hatches above forward guest cabin and owner's bathroom (512 mm x 512 mm)
- 2 x flush deck hatches above aft cabins (512 mm x 512 mm)
- 2 x flush deck hatches above the saloon (330 mm x 330 mm)

## ANCHORING & MOORING

- 6 x 320 mm stainless steel cleats.
- 14 x stainless steel stanchions 61 cm high, stainless steel Double synthetic Lifelines
- Horizontal 1500W electrical anchor windlass
- Delta anchor 25 kg, 50m long galvanized anchor with 10 mm chain and 5m braided nylon rope.
- High comfort 2-part braided white Trampoline, individually attached to hulls, bowsprit and transversal beam.
- Composite davits.

## COCKPIT

- Full composite bulkhead with two wide windows and two large central sliding doors.
- Fixed composite and carbon reinforced bimini roof.
- Starboard L-shaped seating area with storage and composite table.
- Portboard comfortable daybed with ample storage.
- Two bench seats on aft crossbeam with storage below.
- LED lights on the ceiling.

## HELM STATION & STEERING

- 2 x fixed wheel helm stations with back rests (OPT Helm seats).
- 2 x composite consoles
- 2 x 90 cm diam, stainless steel, leather covered fixed wheels.
- 2 x composite balanced rudders on self-aligning non-metallic PETP bearings with AISI 630 shaft 55 mm of diameter.
- Direct rod and cable steering System.

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## TECHNICAL EQUIPMENT

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- 2 x 30 HP YANMAR diesel engines
- 2 x YANMAR Saildrive trasmission
- 2 x 2-blade folding propellers for minimum drag
- 2 x 215 l high grade linear polythene diesel tank
- 2 x fuel filters
- 1 x mechanical engines controls on starboard helm station
- 2 x blower fan for engine room ventilation
- Complete damping and noise insulation in each engine room compartment

### WATER SYSTEM

- 2 x 330 high grade linear polythene water tanks with independent circuits (hot/cold)
- 2 x 24V pressure pumps
- 2 x 25 l water heaters with 230V heating elements
- 2 x 60 l high grade linear polythene self-emptying black water tanks
- Grey water collection tank

### ELECTRICAL SYSTEM

- 24V DC and 220V AC/50Hz or 110V AC/60Hz voltage circuits
- 1 x 24/25 Phoenix Charger for service batteries.
- 2 x engines starting batteries AGM 70 Ah 12V
- 2 x services AGM deep cycle batteries for total 220Ah 24V
- 2 x alternators 115A/12V for engine batteries.
- 1 x 220V Shore power outlet with 15 m of extension cord Electric control panel with thermal circuit breakers.
- Outlets: 8 x 220V/110V AC, 1 x 12V DC
- TIN-PLATED wires
- LED illumination

### NAVIGATION ELECTRONICS

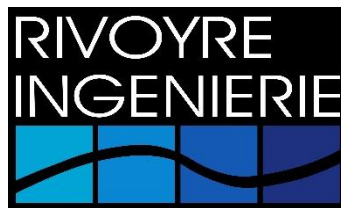
- 2 x Compass on each steering station
- 1 x wind/depth/log system
- 1 x VHF marine radio

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**YACHT DESIGN  
COLLECTIVE**



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