

# TRINTELLA <sup>50</sup>



Gentleman's sailing  
taken to the next level

TRINTELLA 50 - SPECIFICATIONS



# General particulars

## General

Yacht:	Trintella 50
Architect:	Frers Design Naval Architects Buenos Aires, Argentina
Yard:	Trintella Yachts BV, Zaltbommel, Holland

## General dimensions

Length hull:	15.24 m excl. bow sprit
Length hull at DWL:	13.02 m
Beam o.a.:	3.69 m
Draft keel:	2.48 m
Mainsail:	77.8 m <sup>2</sup>
Jib:	61,4 m <sup>2</sup>
Self-tacking jib:	54,2 m <sup>2</sup>
Code 0 spinnaker:	141,2 m <sup>2</sup>
Gennaker:	251,8 m <sup>2</sup>
Total Light Ship displ. Approx.:	Approx. 11,1 ton
Total Ballast weight:	4500 kg
CE classification:	Category A Sea

## Keel and rudder

Keel type:	Cast iron keel with lead bulb
Rudder type:	Balanced spade rudder

## Rigging

### MAST

Type:	Deck stepped fractional sloop.
Manufacturer:	Axxon or Ceilidh
Material:	Carbon fiber finished in Alwgrip Oyster white
I measurement:	21.00 m
J measurement:	5.70 m
P measurement:	19.80 m
Total mast height above DWL:	23.13 m



Spreaders:	Two sets of tapered airfoil aluminum
Standing rigging:	Rod rigging (Echtree Kevlar rigging as option)
Running rigging:	All halyards in stretch free Dynema, lazy jacks, topping lift

#### BOOM

Manufacturer:	Axxon or Ceilidh
Material:	Carbon fiber finished in Awlgrip Oyster white
E measurement:	6.40 m
Fittings:	Pad eye for topping lift Sheaves for outhaul, two times reef. 2 led boom lights installed

*A wing boom can be delivered as option*





## Composite hull and Deck construction

The foam sandwich/e-glass epoxy hull and deck are constructed using vacuum infusing technology. High load areas such as the keel structure, chain plates and other high load areas are further reinforced using carbon. The sandwich material is high quality Corecell.

The hull is fitted with watertight compartments fore and aft.

The outside hull is finished in super high gloss Awlgrip paint with a cove stripe recessed in the topsides that can be either finished with palladium or gold leaf.

The standard color for the hull and bulwark is Oyster white. Other colors or even metallic finish as option. A waterline in color of choice is included. Below the waterline the hull is finished with 3 coats of epoxy primer and 2 coats of anti-fouling of choice.

In way of all deck equipment the core will be replaced by high density core material or carbon reinforced solid laminate.

The teak deck (First Class, seasoned teak wood, quarter sawn) is epoxy glued directly onto the sandwich deck. Deck strakes run parallel to the bulwark. Centre line strake to be formed as a king

plank where strakes nib into.

Strakes are 48x7 mm glued with epoxy. Caulking in black or grey. The cockpit floor and seats are covered with teak strakes. All hatches are flush mounted and drained and fitted out with gas springs. In the bow there is a hatch that allows access to the anchor and for storage of fenders and mooring lines.

A second hatch in the bow is located above the master bedroom. This can be either finished in teak or tinted poly-carbonate with blinds. This hatch is also the emergency exit.

In the aft deck there is a teak covered hatch that gives access to the stern compartment with ample space for storage of miscellaneous and mooring equipment.

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## Coach roof and cockpit

The coach roof and cockpit are made of foam vacuum e-glass/epoxy sandwich construction. The sides of the coach roof are covered in vacuumed mahogany and tinted polycarbonate windows. The top of the coach roof is painted Oyster white. The cabin hatch and washboards can be in teak or varnished mahogany. On both sides



of the cabin top are handhelds in varnished mahogany.

The cockpit coamings will be covered with vacuumed mahogany and varnished.

The cockpit is self-draining with teak covered integrated seats with side lockers on both sides for storage and also to access a hatch that gives access to the engine compartment.

## Interior

The interior will be made of wood veneered plywood panels. There is a choice for various kinds of wood. (teak, mahogany, oak, cherry).

The vertical inside hull surfaces will be covered with white painted Yellow Cedar strips.

A comfortable U shaped sofa is found on the port side of the cabin with a foldable table

A long seat on starboard of the cabin can be used as berth. All areas under the seats are accessible for storage. There are also storage compartments behind the seats.

The chart table is located on the forward starboard side of the cabin with storage for charts, books and navigation tools. This is also where the switch board is installed.

The owners cabin has two cabinets for the storage of cloths and two drawers under the master bed.

The floor is made of plywood with wood veneer. The styling of the wood interior details is contemporary to Trintella standards.

There are cushions on the seats. Fabric can be chosen from the Sunbrella catalogue.

Eight throw cushions in fabric of choice complete the interior

Dimmable led lights and reading lights are found throughout the interior to ensure a welcome atmosphere

A complete custom finished interior can be delivered as an option

## Galley

The galley is fitted out with a sink with running hot and cold water and a two burner gas stove. Water pressure by means of a 12V water pump. Water tank capacity of 250 liter.

The counter top is finished with HPL in color of choice, the chosen wood of the interior or in Corian as option. A large refrigerator is accessible through a hatch in the counter top.

Under the counter top and along the hull side there are several cabinets for storage.

There is a 12v and a 220v socket in the kitchen.

## Bathroom

The bathroom is located at the port aft side of the cabin and equipped with an electric operated toilet, a sink with tap and warm and cold running water and a shower. There are several lockers and a mirror.

## Tank capacities

Water tank approx.:	250 liters
Boiler:	70 liters
Diesel tank:	200 liters
Black water tank:	100 liters

## Steering system

### TYPE

Steering wheel with Jefa rudder blade

### AUTO PILOT

Jefa steering cylinder with B&G Hardware on rudder Shaft

## Propulsion arrangement

### MAIN ENGINE

Yanmar 4JH57 4 cylinder. diesel Cooling.

**FUEL CAPACITY**

200 liters

**GEARBOX**

Sail drive

**PROPELLER**

3-blade folding, bronze Flexofold propeller

## Engine installation

The standard engine is a Yanmar 4 cylinder diesel with 41.9 KW (57 HP) combined with a sail-drive equipped with a three blade folding propeller. Great care is taken to noise reduction materials to minimize engine noise.

The engine compartment is accessible by removing the entry staircase and via hatches in the side cockpit lockers. An automatic fire extinguisher and bilge pump is installed.

The polished stainless single throttle control system is located in the cockpit.

Engine control panel is fitted at an unobtrusive location in the cockpit.

As option a hybrid system can be added to the engine.

## Other systems aboard

**WINCHES**

Harken 70.2 ST Chrome radial self-tailing.

Harken 50.2 ST Chrome radial self-tailing

**HEADSAIL FURLER**

Harken underdeck manual furler

**DECK HARDWARE**

Harken.

**HOT WATER**

Boiler 70 liters operated by shore power and engine.

## Keel and rudder

The keel is made of a cast iron fin with a bolted cast lead bulb. The top of the fin is recessed into the hull.

The keel is coated in 6 layers of epoxy.

The rudder blade is a Jefa monocoque foam/glass construction with stainless steel rudderstock.

## Through hull fittings

The hull will be fitted with the following through hull fittings. In way of all through hull fittings the core material will be high density or removed to a single skin hull laminate.

- Cockpit drains combined with deck drains.
- Log and depth sounder (optional)
- Toilet flush inlet
- Black water outlet
- Deck and flush hatch drains
- Bilge pump outlet
- Cooling water inlet
- Exhaust outlet

## Steering installation

The rudder will be installed with self-aligning JP3 top and bottom bearings.

The steering wheel is a polished stainless steel Jefa wheel.

Jefa Steering cylinder will be installed in combination with a B&G autopilot system.

## Anchor

Aluminum Fortress anchor o.e.

Storage in under deck locker

**ANCHOR LINE**

50 m leaded anchor line in under deck locker.

A manual or electric anchor winch can be fitted as an option.

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## Bilge pump system

There are two electrical bilge pumps located under the cockpit sole and the engine compartment. A manual Whale Gusher bilge pump will be fitted in the cockpit side locker and in the bow locker compartment.

All tubing to be according to CE regulations.

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## Fire-fighting installation

One fire extinguisher of approved type and make will be installed in the cabin and an automatic fire extinguisher is installed in the engine compartment. There is also an easy accessible fire blanket in the cabin.

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## Deck fillers

The fuel tank and water tank will be filled via a recessed caps in the deck.

The black water tank can be emptied through a recessed cap in the side deck and through a valve in the hull

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## Cooling system

One compressor refrigerator is installed in the galley under the counter top. It is powered by the 24V battery bank.

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# Electrical system

## General

The battery system will be charged through the shore power system.  
All electric wiring and installation in accordance with ISO 10133

## Electrical installation

### MAIN BATTERY BANK

3 x 160 Ah AGM (Li-ion as option)

### STARTING BATTERY

1 x 70 Ah

### CHARGER

Victron TG 48-25 amp charger

Shore power installation  
Custom 24V touchscreen distribution panel

## 24V DC distribution system

The 24V DC system consists of the following items:

- Custom made touch screen distribution panel.
- Automatic circuit breakers serving all equipment installed

There will be a Usb socket in the Galley, chart table and on both sides of the mast bed.

## Navigation lights

All navigation lights to be LOPOLIGHT 12V LED lights

- 1x bow light in red/green
- 1x steam light
- 1x stern light
- 2x spreader light
- 1x tri-color masthead light with anchor light

## Interior illumination

All lights to be 12V LED lights:

- 4 ceiling lights in saloon
- 2 ceiling lights galley
- 4 ceiling lights in master bedroom mounted above double berth
- 1 reading light on port side of mast bulkhead above seat
- 1 reading light over chart table
- 2 reading lights on the front bulkhead above the master bed
- 2 ceiling light in bathroom
- 1 light above mirror in bathroom
- Switches following illumination plan.
- 1 light in engine compartment

## Navigation Instruments (option)

B&G Triton3 set with Zeus2 9 inch MFD consisting of:

- Navionics
- Triton2 speed, depth and wind set
- Triton2 Digital display
- NAC-2 core pack autopilot
- NAIS 500
- Remote / wireless interface

## Audio system

Fusion 700 series entertainment system in the saloon with:

- 2 speakers in the quarters
- 2 speakers in the cockpit



# Deck equipment

## Winches

Two Harken winches, self-tailing. (electrical winches as option)

QNT	FUNCTION	POSITION	TYPE
2	Jib sheet	Cockpit	60.2 ST Chrome/black
2	Gennaker sheet	Cockpit	46.2 ST Chrome/black
2	Handles	Alloy Lock-In	PowerGrip 10"/250mm

## Main sheet system

German Frers Vang sheeting

## Jib sheet system

Two tracks on the side deck with locked adjustable cars. (self-tacking jib as option)

## Gennaker sheet system

Two Harken blocks on Seasmart fittings on the bulwark that lead to the winches.

## Blocks around mast and foot blocks

Under deck halyard system leading to stoppers and winches on the side decks next to the cockpit.

## Back stay and vang

The hydraulic backstay and vang will be adjustable by push button controls in the cockpit within reach of the helmsman position.

## Trim lines

All trim lines to be lead under deck to a winch and stoppers within reach of the helmsman on both sides of the cockpit coaming.

## Sundries

- 6 x Mooring cleats, yard standard
- 1 x Flagpole and holder
- 8 x Seasmart deck fittings for fender cushions
- 2 x Seasmart deck fittings for gennaker sheets and barberhaulers

## Boarding/swimming ladder

A folding boarding and swimming ladder, to be stored under the aft deck.



# Paintwork

## General

The boats will be built in epoxy sandwich system to Trintella standards.

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## Hull: inside

Visible inside surfaces of the hull and deck will be painted with white poly urethane coating.

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## Hull: below waterline

3 x epoxy primer and 2 x anti-fouling by owners choice

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## Hull: above waterline

- Epoxy primer coats
- Painted in Awlgrip Oyster White.

Further painting:

- 1 waterline in color of choice
- Cove stripe in Gold leaf or Paladium leaf.
- 1 name of ship on transom basic styling in gold leaf or paladium leaf.

## Deck and cockpit

All parts that are not covered with teak, are painted in Awlgrip Oyster white

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# Spars

## Mast

Axxon Spars or Ceilidh Mast with 2 sets of spreaders. I = approx. 12.42 m and total mast length is approx. 14.70 m. Mast will be made of carbon-fiber with Awlgrip Oyster white finish. The mast has the following items:

- rod rigging
- mast top is tapered
- mast top fitting with 1 sheave for main halyard, and 1 sheave fwd for topmast spinnaker halyard.
- tang for backstay
- two pair spreaders
- two tangs for D-2 shrouds
- tang for forestay
- two jib halyard sheave box
- two lower spreaders with flag line eyes
- two tangs for D1 shrouds
- goose neck fitting
- exits for halyards under deck
- track for fully battened main
- boom vang fitting
- conducts for electric cables
- hydraulic mast ram system

## Boom

Boom made of carbon and tapered at the end. E= approx.. 6.40 m and has the following items:

- Internal fittings for outhaul
- End fitting and track for outhaul
- Two end sheaves for reefing lines
- Fitting for boom lift
- Eyes for main sheet blocks
- Boom vang fitting
- Boom vang
- Lazy-jack eyes (lazy jack system as option)
- Gooseneck fitting with 2 built in stoppers and sheaves for reefing lines
- Two reef attachment fittings either side of the gooseneck

## Bowsprit

Carbon fiber bowsprit with Pad eye for the tack eye of the Gennaker and Code 0 sail.

A stainless steel rod is fitted as bobstay to the bow above the waterline





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ALL DIMENSIONS, VOLUMES, DRAFTS AND SPEED PREDICTIONS ARE APPROXIMATELY.  
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