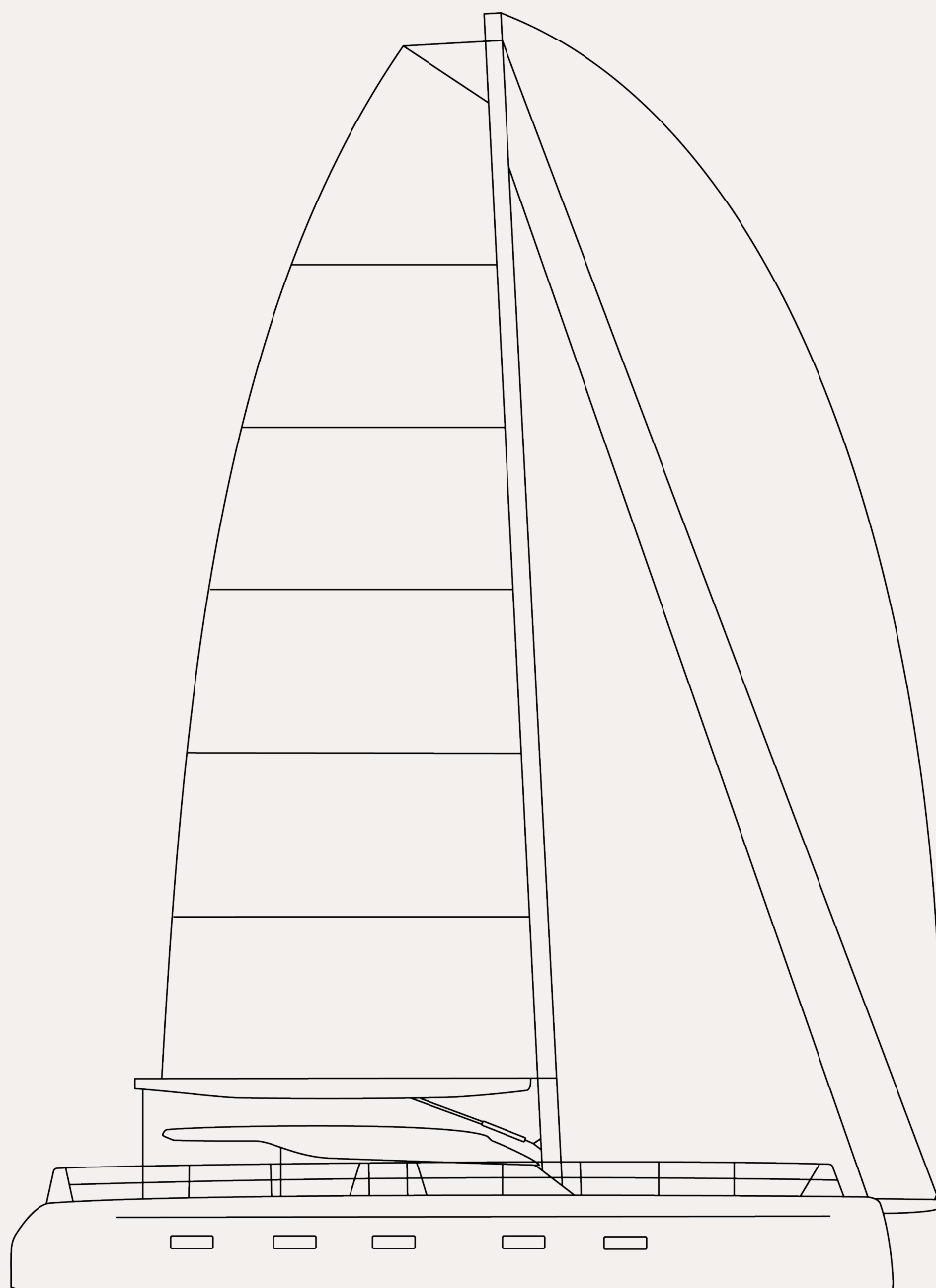


## OEb4 SPECIFICATIONS



## DIMENSIONS

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Length overall	21.0 m	68.1'
Length at waterline	18.9 m	62.0'
Beam	9.2 m	29.8'
Dagger board down	3.6 m	11.8'
Height of mast from water	28.27 m	92.9'
Main sail area	125.3 m <sup>2</sup>	1349 ft <sup>2</sup>
Jib sail area	72.26 m <sup>2</sup>	778 ft <sup>2</sup>
Engine	2 x 80 hp YANMAR saildrive	
Fuel capacity	800 L	211.3 Gal
Water capacity	600 L	158.5 Gal
Heated water	2 x 50 L	2 x 13.2 Gal
Classification	CE-Ocean A (DNV-GL)	
Naval architect:	Germán Frers	
Builder:	Ocean Explorer by OQS	

## CONSTRUCTION

The construction of the Ocean Explorer catamarans is made using only premium materials with properties meeting all design criteria for the vessel. All structural parts are checked by third party surveyor in addition to standard practice checks by notified body. This pushes the Ocean Explorer catamarans to a quality and workmanship level in world class.

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### RCD Status:

- Our understanding is that the vessel complied with the European Union Recreational Craft Directive and is Categorised CE- Ocean A (DNV-GL)

### Hull Construction:

- Epoxy + e-glass, vacuum infused in female molds
- Structural bulkheads in carbon fiber, pre-preg lamination
- Centerboard cassettes in carbon fibre
- Shroud chain plates made in carbon fibre integrated into the hull
- Each hull is divided into 3 watertight sections
- Crashbox in bows for collision protection
- Hull, Awlgrip 9016 white
- Deck, Awlcraft 9016 white

### Deck & Superstructure Construction:

- Main deck, Epoxy + e-glass, Carbon reinforced, vacuum infused
- Deckhouse framing structure made of Carbon
- Deckhouse roof, Epoxy + e-glass, Carbon reinforced, vacuum infused
- Forward crossbeam carbon infused with integrated trampoline net track
- Longerons carbon fiber infused, integrated anchor system and trampoline net track
- Davits custom made with electrical lifting
- Windows laminated/tempered glass. Grey STL-42 film between the layers
- Non-skid in Matterhorn white on deck and appropriate places on deckhouse roof

**Centerboards, Rudders & Steering:**

- Curved carbon centerboards for improved performance
- Centerboard lifting system electrical with indicators and backup system
- Rudders Composite
- Hydraulic steering system, options for wire and fly by wire steering systems

**MACHINERY**

The machinery and propulsion solutions are designed for best usage and optimized for this vessel. All design is based on useability and comfort. But to meet all possible requirements there is a great variety of options and customisations that can be incorporated to an Ocean Explorer Catamaran.

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**Engines & gearboxes:**

- 2 x 80 hp YANMAR engines & saildrives
- Fresh water engine cooling via raw water intakes and heat exchangers
- Yanmar electronic gear/throttle controls
- Wet exhaust system with a lift silencer and a water/exhaust separator.
- Engines located aft, accessed through deck hatches
- Well insulated with fire retardant insulation materials
- The engine room is equipped with forced supply and exhaust ventilation.

**Propulsion & Steering:**

- Flexfold 20 x 16 LH3 – SDR, Propellers
- Hydraulic steering from port and starboard side with backup systems
- Carbon fibre helm wheels

## ELECTRICAL SYSTEMS

The electrical systems are designed and installed for easy maintenance and easy use. With an industrial level automation system as standard on the vessels the boat will be state of the art in all aspects also giving endless possibilities for development of the systems.

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### Voltage systems:

- 24vDC domestic system with 12vDC engine start bank and 220vAC system via shorepower, generator or inverter
- The electrical system is grounded to the water by grounding plates, one in each hull

### Battery Banks:

- 6x 200AH Mastervolt Li-ion 24vDC service batteries joined to supply 1,200Ah @ 24vDC
- 2x 80Ah 12vDC engine start batteries

### Battery Charger:

- 2x Mastervolt 60Amp automatic battery chargers

### Inverter:

- Mastervolt MASS Sine 24/5000 5kw 220vAC inverter

### Alternators:

- Both engines fitted with 100A alternators

### Generator:

- Fisher Panda 15000i PMS 15kw 220vAC diesel generator

### Shorepower:

- Shorepower 230 V 50- 60 hz

- Mastervolt GI7 isolation transformer with main fuse and earth fault switch
- 3 x AC Bus, controlled from PLC system
- 220vAC sockets throughout interior

### Digital Switching:

- Siemens NMEA Canbus digital switching system monitoring and controlling Sailing functions, Windlass & yacht controls, Daggerboards, Lights, Steering Console, Bilge system, Tank levels, Freshwater system, Black water system, Fuel system, Ventilation, Generator and Appliances

## PLUMBING & GAS SYSTEMS

The plumbing systems onboard are designed to keep the maintenance and usage of the boat care free, however when there are challenges, main systems trouble shooting and maintenance are supported by the automation system of the boat.

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### Fresh Water:

- Fresh water pressurised by 24vDC centrifugal pressure pumps with 24 litre accumulator tank
- Hot water supplied by engine driven calorifier in 2x 50 litres hot water tanks with 1.2kw 220vAC immersion heater elements
- Hans Grohe shower and heads for fresh water supply in galley and heads
- Deckshower in locker at mast area
- Deck/Chain water in forward starboard locker

### Bilge Pumps:

- Each hull is divided into 3 separate flooding sections, each section with own Rule 24vDC bilge pumps.
- Main bilge pump: Johnson F38 – 19 (Impeller pump)
- Generator room, bilge pump – Whale Gulper 320 ( membrane)
- All bilge pumps have external sensors.

**Black & Grey Water Systems:**

- Separate black and greywater systems
- 2 x 200 l blackwater tank
- Grey water from each drain goes to a small grey water collecting tank and is automatically pumped out to the sea. The galley runs straight out via its seacock located in the port aft bathroom.

**Skin Fittings:**

- Through hull fittings and seacocks in engine spaces AISI 316 stainless steel, seawater resistant brass
- Hull through fittings of composite.

**TANKAGE**

Dimensioning of tanks and systems are configured so the boat easily can handle owners and guests for long periods away from shore.

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**Fuel:**

- 800 litres of fuel capacity in 2x tanks with transfer between hulls with electrical pump

**Fresh Water:**

- 600 litres of fresh water capacity in 2x tanks with transfer between hulls with electrical pump

**Holding Tanks:**

- 2x 200 litre blackwater holding tanks discharging overboard or via deck extraction points
- 2x greywater tanks

## NAVIGATION & COMMUNICATION EQUIPMENT

Navigation & communications equipment is carefully decided together with the builder to provide the owner with the best possible set-up depending on the needs and desires.

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## DOMESTIC EQUIPMENT

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### Galley:

- Kitchen island
- Fridge 190 DR inox – (2) Pull-out drawers
- Gas Stove, 4 cook tops and oven
- Extraction fan
- Double stainless steel sink with Franke water tap
- Hidden TV

### Heads:

- 4x Tecma 24vDC electric freshwater flush heads
- 4x showers with hot & cold pressurised supply
- Additional ventilation provided via hatches and doors.
- Option for portlights in the hull windows

### Entertainment:

- Fusion Stereo System with speakers in cabins
- Wi-fi system with router
- Hidden TV in saloon



## ACCOMMODATION

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### Summary of Accommodation:

- The contemporary styling with clean lines and sleek deckhouse design, allow for panoramic views without compromising on the look of the yacht.
- The interior layout is second to none, with the ingenious use of space to optimise the functionality, while retaining the elegance and spacious feel.
- Her four guest cabins are all ensuite, with queen sized double beds in the aft living quarters.
- Additional twin bunk amidships cabin and ensuite crew/guest bunk cabin in the forward hull.

### Accommodation Finish:

- Wood veneer natural Oak
- Doors are of Oak glued over Divinycell cores
- Exposed hull sides and headlinings finished in synthetic suede
- Floors in teak with contrasting black caulk inlays
- White Corian countertops
- Cream cloth upholstery
- Downlight LED's throughout

### Accommodation layout from Forward:

#### Forward Cabin starboard:

- Queen size bed
- Storage cabinets
- Sofa with storage space located outboard
- Laptop table
- 2 x large side hull windows

#### Forward Cabin Port (Serving as optional crew cabin):

- 2 Single bunk beds
- Storage under bed in cabinets
- Large hull windows

#### Aft Cabins Starboard & port side:

- Queen size double bed, longitudinal positioned
- Storage in cabinets and under the bed
- Laptop table
- 2 x large hull side windows

#### Aft Cabins Starboard & port side heads:

- Full bathroom with separate shower

#### Midship Starboard:

- 2 Single bunk beds
- Storage Cabinets

#### Aft Cabins Starboard & port side:

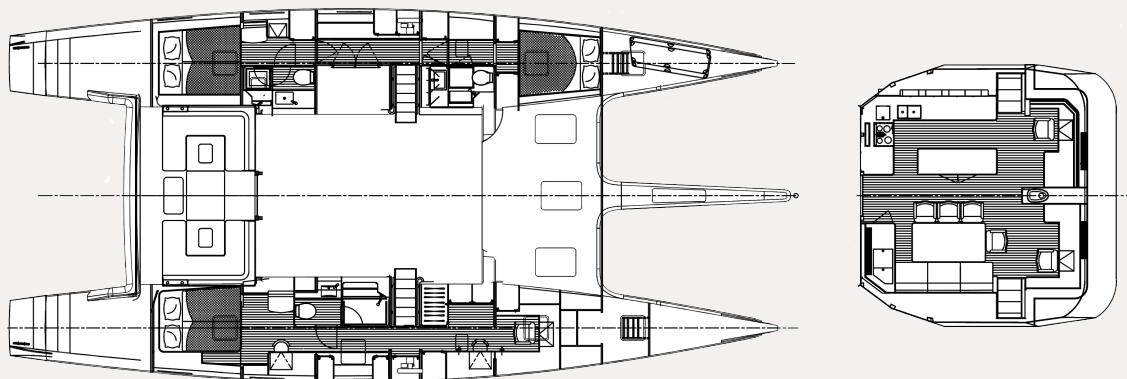
- Queen size double bed, longitudinal positioned
- Storage in cabinets and under the bed
- Laptop table
- 2 x large hull side windows

#### Aft Cabins Starboard & port side heads:

- Full bathroom with separate shower

#### Saloon

- The navigation station is located on port forward side.
- The Kitchen island includes a large 190 DR Inox fridge.
- Ample of storage space is found under the L-sofa
- The kitchen includes a gas stove and oven.
- The work top in Linear includes a stainless steel sink with Franke water tap.



## DECK EQUIPMENT

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### Rig:

- Lorima white painted carbon fibre mast
- Air-draft 28.27m
- Lorima white painted V-profile aluminium boom
- Hydraulic vang with quick release
- Shroud chain plates in carbon, integrated into the hull

### Deck equipment:

- Halyard winch Harken 70.2 STEA (2) 2 speed, self-tailing alu-electric
- Mainsheet winch Harken 70.2 STEA (2) 2 speed, self-tailing alu-electric
- Aft winches for flying sails Harken 70.2 STEA (2) 2 speed, self-tailing alu-electric
- Furler winch Harken 60.2 STEA (1) 2 speed, self-tailing alu-electric
- Windlass Vetus HRC10-10
- Mainsheet traveller system with flat winder
- Guardrails stainless steel polished
- Fixed cleats
- Toe rails forward of mast
- Genoa furler
- Spinlock Halyard jammers (10) mounted on mast – Halyard locks
- Spinlock Halyard jammers (9) mounted on deck
- Steering wheels made in carbon fiber, painted or clear coat finish
- Grab rails on deck house and at appropriate places on deck
- Trampoline net track integrated composite
- Davits for Dinghy

### General:

- Stainless steel pulpits, pushpits and guardwire stanchions
- Side boarding gates
- Bow seats set into pulpits
- Helmsman removable chair with backrest
- 2x GRP cockpit tables

- Stainless steel bathing ladders

## **Anchoring & Mooring:**

- Vetus HRC10-10 24vDC electric windlass
- Anchor and chain (80m)

## **Covers, Cushions & Canvas:**

- Cockpit cushions

## **SAFETY EQUIPMENT**

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- Fire extinguishers 2kg located in each sleeping cabin and 6kg extinguisher in the deckhouse.
- At the guardrails on each transom
- Fire protection system according to legislation of CE Ocean A, automatic upon request
- Interconnected fire alarms with cabin and main alarms connected