

OE60 SPECIFICATIONS



DIMENSIONS

Length overall	18.50 m	60.7'
Length at waterline	18.12 m	59.4'
Beam	9.2 m	29.8'
Draft board down	2.00 m	6.6'
Draft board up	0.9 m	2.95'
Height of mast from water	27.80 m	91.2'
Main sail area	130.0 m ²	1399.3 ft ²
Jib sail area	69.0 m ²	742.7 ft ²
Engine	2 x 80 hp YANMAR saildrive	
Fuel capacity	2 x 400 L	2 x 105.7 Gal
Water capacity	2 x 300 L	2 x 79.2 Gal
Heated water	2 x 40 L	2 x 10.5 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.

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:

- Sandwich construction, E-glass reinforced with carbon, vacuum infused with epoxy in female moulds.
- Bulkheads and stingers in carbon fibre, vacuum infused.
- Daggerboard cassettes in carbon
- Shroud chain plates in carbon fibre, integrated into the hull
- Each hull is divided into 3 watertight sections
- Crashbox in bows for collision protection
- Hull spray painted in Awlgrip 9016 white
- Hull draft 0.90m

Deck & Superstructure Construction:

- Main deck, Epoxy + e-glass, Carbon reinforced, vacuum infused
- Deckhouse structure in titanium
- Deckhouse roof, Epoxy + E-glass, Carbon reinforced, vacuum infused
- Deck spray painted in Awlgrip 9016 white with non-slip finish
- Teak laid cockpit sole
- Forward crossbeam, Carbon infused with integrated trampoline net track
- Longeron, Carbon infused, integrated anchor system and trampoline net track
- Windows, laminated/ tempered glass. Grey STL-42 film between the layers.

Daggerboards & Rudders:

- Curved carbon fibre retractable daggerboards for improved performance
- Daggerboard lifting system, electrical with indicators and backup system
- Retractable rudders made in carbon fibre with stainless steel shafts
- Rudder draft 1.3m when down

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.

Engines & gearboxes:

- 2 Yanmar 4JH80 4-cylinder diesel engines producing 80hp each
- Saildrive gearboxes
- 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 yacht 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.

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:

- 12vDC engine alternator
- Secondary 24vDC 60amp alternator with regulator on port engine

Generator:

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

Solar:

- 18sqm of solar panels with charge regulator

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.

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 and at aft end.
- 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.

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.

DOMESTIC EQUIPMENT

Galley:

- 4 burner gas stove with oven
- Witt 60GL galley extractor fan
- Stainless steel sink with Franke water tap
- Isotherm DR 190
- Kitchen island
- Ample storage space
- Worktops in Corean

Heads:

- 4x Tecma 24vDC electric freshwater flush heads
- 4x showers with hot & cold pressurised supply

Heating & Ventilation:

- Ventilation provided via hatches and doors.
- Air Con system can be set up depending on the owners preferences

Entertainment:

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

ACCOMMODATION

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 three 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:

- Oak veneer throughout
- Doors are of Oak veneer glued over Divinycell cores
- Exposed hull sides and headlinings finished in synthetic suede
- Floors in teak with contrasting black caulk inlays
- White Corian countertops
- 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:

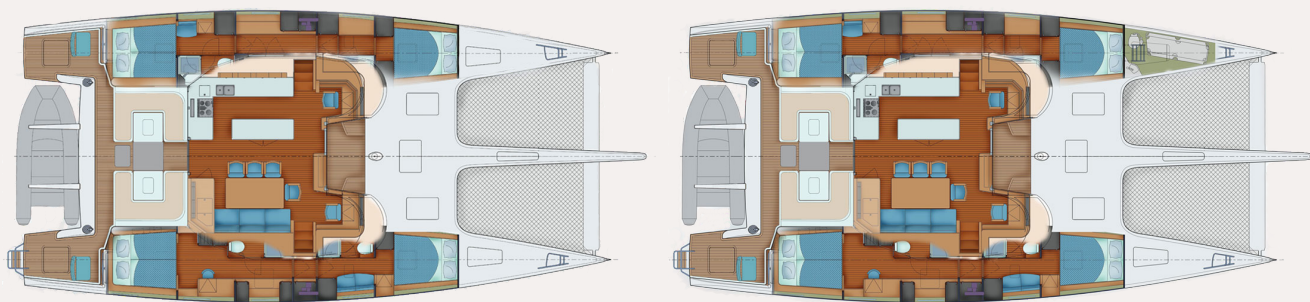
- Queen size double bed, longitudinal positioned
- Storage in cabinets and under the bed
- Laptop table
- 2 x large hull side windows

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 Corean includes a stainless steel sink with Franke water tap.



DECK EQUIPMENT

Rig:

- Lorima white painted carbon fibre mast
- Air-draft 26.77m
- Lorima white painted V-profile aluminium boom
- Shroud chain plates in carbon, integrated into the hull
- Self-tacking track for jib
- Spinlock jammers
- I = 22.105m
- J = 6.6m
- P = 21.6m
- E = 8.2m
- ISP = 24.7m

Winches:

- 6x Harken 70.2 STEA electric 2-speed self-tailing winches for sheets, halyard and mainsheet
- 2x Harken 46 ST manual 2-speed self-tailing secondary winches

Sails:

The sail set-up is carefully designed together with the sail maker and the builder to provide the buyer with an optimal set of sails for their needs and preferences.

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
- Custom made composite electric davits

Anchoring & Mooring:

- Vetus HRC10-10 24vDC electric windlass with remote control
- Anchor and chain
- Complete set of anchors, fenders and mooring lines

Covers, Cushions & Canvas:

Covers, Cushions and Canvas set-up is carefully planned and provided together with the builder to have the best colours and materials according to the buyers preferences.

SAFETY EQUIPMENT

- Cannister liferafts at each transom
- 4 x 2kg fire extinguisher located in sleeping cabins
- 6 kg fire extinguisher located in deckhouse