

Inventory – Orion

Boat Name – ORION

Specs

Builder: Catana

Designer: Christophe BARREAU & Frederic NEUMAN

Dimensions

LOA: 87 ft 0 in

Beam: 38 ft 1 in

LWL: 86 ft 3 in

Engines

Engine 1:

- Engine/Fuel Type: Diesel
- Engine Hours: 5,000 Hrs
- Engine Power: 210 HP

Engine 2:

- Engine/Fuel Type: Diesel
- Engine Hours: 5,000 Hrs
- Engine Power: 210 HP

Tanks

- Fuel Tanks: 3,883 Litres (1026 Gallons)

Dimensions

- Max Draft: 1.7 m // 4.7 m

2019 Upgrades + improvements

- New main + jib, Evolution Sails, Expedition membrane, installed March 2019 - have not been used to date
- New teak steps on transom ~ January 2019
- New swim ladder steps in teak (6)
- New cockpit canvas ~ January 2019
- Bottom paint
- Prop maintenance
- Fiberglass repair (minor)
- All new interior mirrors
- Generator and engine maintenance (heavy), i.e.: injectors, pumps, bearings
- New varnish on cockpit tables
- New fan coils main salon
- New Dyneema splices, lashings
- 2 new exterior chart plotters, touch screen
- New helm station panels for all of the gauges
- All new sea strainers
- New trampolines
- New topping lift
- 2 new anchor swivels
- Outboard engine service
- New max sea charts
- Mainsail hydraulic RAM fully serviced (over 5000 euros)
- 1 meter of new hydraulic pipe for bow thruster

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**\$150,000 worth of refit done since 2018 to keep Orion up to industry standards

Sails

- Sails by North Sails
- 265 m² Spectra Carbon Full Batten Mainsail
- 60 m² Stay Sail Spectra Carbon
- 160 m² Spectra Carbon Yankee
- 304 m² Code 5 Gennaker on Bowsprit
- 17 sq m Storm Jib in Cuben Fibre

Mast Rigging

- Carbon fiber mast without spreaders
- Steps up to the boom
- Deck projector and navigation lights
- Radar and antenna support
- Mainsail Harken split car batt-car system
- Canoe boom in carbon fiber
- Compression beam/front beam in carbon fiber
- Bowsprit in carbon fiber
- Yankee forestay in stainless steel rod
- Staysail forestay in stainless steel rod
- 2 cap shrouds and 2 inner-shrouds in kevlar
- Sail lights on the bimini and in mast
- Hailer unit for ICOM radio fog horn system
- Furuno LH 3000 hailer and auto/manual fog horn system
- Mobile hydraulic Rigging cutter
- Hydraulic furling gear by RECKMAN on Yankee
- Manual Facnor furler on Solent
- Facnor FX1200 furler for Code 5.
- Facnor FX1200 furler for storm sail.
- Mainsail canvas sail cover on boom
- Set of adjustable lazy-jacks
- Reefing system for the Mainsail controlled from the cockpit
- All the halyards and reefing lines are in SPECTRA
- Sheets in polyester, double braid
- Spare set of main sail battens stored on the boom pocket
- Hydraulic Cariboni system for the main sail sheet controlled from both helm station
- Vang/preventer system controlled from the cockpit

Deck Fittings

- Primary winches: 2 x Harken 1111ST 3 speed hydraulic.
- Cockpit reefing and main halyard winches: 2 x Harken 980.3 ST hydraulic
- Main sheet traveler winches: 2 x Harken 70.2 ST hydraulic
- Mast halyard winch: 1 x Harken 980.3 ST manual
- Dagger board winches: 2 x Harken 70.2 ST hydraulic
- Main sail halyard winch remote control at both helm stations
- Hydraulics and Power Pack by Tenderlift including independent isolation valves. Operated from the 24 Volt system or P.T.O pump (Power Take Off) connected to Starboard generator.
- 2 tracks on mast for easy Yankee and Solent halyard tension and stowage.
- 60 mm Main Sheet traveller track on aft beam with Harken ball bearing double car system
- 2 high comfort woven dynema trampolines, attached mesh by mesh
- 2 forward Swedish pulpits with seats

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- Large reinforced deck cleats
- One 1000 L/H pressurized sea water deck pump
- One 1000 L/H pressurized fresh water deck pump
- Fresh water deck wash directly connected to ships system, 3 x outlets

Tender

- Tender Nautica RIB 17 Widebody with 90hp Yamaha outboard engine with ski tow package
- MCA rescue boat equipment
- 2x cover for tender, one for storage and second operational cover with internal pockets
- Tender has a complete ski/wake board tow package
- Tender has a barefoot training bar for easy board training
- Avon Rover Air 280 Crew Tender

Cockpit Equipment

- Large sliding door + window as in CATANA 582
- Cockpit floor slatted with 8 mm thick Teak
- Cockpit cushions with comfort cell foam
- 2 reinforced aft pulpits
- Aft guardrail in stainless steel tubes fitted with fishing rod holders
- Extra rod holders on each side of vessel
- Bimini hard top made of sandwich structure
- Canvas removable cockpit enclosures
- Windscreen for the Bimini with fixed windows
- Built-in LED cockpit lights in Bimini with dimmer
- Large lockers in cockpit floor and under seats
- Padeyes in the bimini corners
- Full length foul weather dry locker with heater in cockpit

Helms

- 2 steering stations with 2 person seats with backrest
- Removable and adjustable sun canopy on each station.
- 2 magnetic compasses with protection covers and lighting
- Protection covers for electronic equipments
- Joy stick and foot switch controls for bow thruster at each helm.
- Variable pitch prop joy stick control and read outs at each helm.
- 2 Carbon fiber steering wheels
- Spectra mechanical steering system (She steers like a sports car-crew)
- 2 balanced spade rudders mounted with JP3 self-aligning bearings and seals

Transoms

- Slatted with Teak
- Built-in stainless steel swim ladder, with Teak steps on each transom
- Carbon fiber gangway
- Cockpit shower with cold and hot water on both sides
- Salt water outlet on both sides
- Fresh water in and out lets on both sides
- 3 large cleats for securing boat on each transom

Aft Beam

- Pair of carbon fiber davits
- 2 lifting lines for tender with stainless steel snap shackles on Harken blocks
- Antenna Arch and lights on davits for tender including transom step spot lights

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- Securing system for tender

Mooring

- Bridle on the compression beam
- One Hydraulic Muir HR 6000 windlass equipped with double gypsy's and double devils claw chain securing system.
- Hand held remote control stowed in chain locker
- Control at starboard helm station
- 2 x 150 kg Manson stainless steel anchors fitted with 110m each of 14mm stud link galvanized chain
- 2 electrical Muir VC 3500 capstans mounted on the bows in concealed lockers, including one large and one small bollard cleat on each side
- 1x Lewmar V5 hydraulic windlass in aft beam with appropriate ground tackle for "through the deck" aft anchoring includes self-stowing Delta anchor

Accommodations

- All equipment under CATANA "2" series standards
- Furniture in light honeycomb core
- Moldings in solid wood
- All cabin bunks have slatted mattress bases
- Extra wide corridors & doors
- Hatches and port lights are equipped with mosquito screens and roller blinds
- Isothermal external roof curtains
- Extra wide steps with an easy rake - (good for people with limited mobility)

Salon

- External Isothermal saloon window covers
- Cushions in High Resilient thick foam covered in material of owner's choice
- LED lightings with dimmer
- Upper and lower red courtesy lights
- Storage for DVDs
- Wine storage lockable
- Bookshelves

Navstation

- Numerous drawers
- Ergonomic seat by Treben in leather, fully electrically adjustable
- Drawer for charts

Galley

- Double sinks with adjustable faucets and hose extension
- Counter sunk Corian work tops
- Draintap for watermaker
- Extractor hood and 5 burner propane gas hob by Gaggenau 900 mm electric oven by AEG
- 5 burner hob
- Separate oven
- Microwave oven
- Extractor hood

Bar area in Cockpit

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- Fresh water sink and ice maker in bar area inside cockpit

Owner's cabin

- 180 x 200 Bed
- 2 independent slatted bases
- Mattress fully sprung 180x200cm
- LED lighting
- Reading lights and pocket trays
- Large sliding hanging lockers and lockers with shelves
- 1 s/s combination safe

Entertainment Center

- Saloon: Bose Life Style 48 5:1 surround sound system with CD, DVD and tuner
- 4 x Bose cockpit speakers
- Saloon: 48" flat screen Sharp Aquos TV.
- 2 spare speakers to be used on forward deck
- 3 cabins with 17" Sharp Aquos TV, JVC CD and DVD player with remote control and Bose speakers
- 25" Sharp Aquos TV and Bose 321 system in owner's cabin
- 2 cabins with 17" combination TV/DVD player
- OMNIMAX TV antenna in the mast, with amplifier

Plumbing

- 2 x 750 L Fresh Water tanks
- 2 independent pressurized freshwater pump systems by Gianneshi with accumulator tanks, interconnectable
- Charcoal filter system for each fresh water circuit
- Plumbing for drinkable water in rigid tubing
- 2 water heaters of 75 L, on AC current and engine and generator exchangers
- Webasto Thermo 90 ST hot water diesel heating system
- US approved black water holdings tanks: according to regulations, with gauges and sound alarm. Drains by macerator pumps (sea) or by deck drain holes. Vent filters by Sanigard
- Sealand VACU FLUSH depression WC
- Marine grade Faucets and mixers
- Grey water tanks: 2 x 400L with gauges and sound alarm. Discharge by Gulper 320 electric pump (sea) or by deck drain holes. Odour vents by Vetus
- Refrigeration by Frigoboat (dual 24 V and 220 V compressors) with external hull keel cooling system.
- 2 x large Frigomar drawers in galley and 2 x large Isotherm drawers in port hull next to freezer. 1x drawer for drinks in salon
- 400L of refrigeration capacity and 500 L freezer storage.
- Raritan marine Icemaker in cockpit

Laundry

- Miele 5 kg washing machine
- Miele drying machine with hot air exhaust extraction

Aircon

- Webasto 40,000 BTU Chiller System in each hull with independent air handlers in cabins
- Stb hull 25,000 BTU distributed through cabins
- Port hull 25,000 BTU distributed through cabins
- Saloon 2 x 24,000 BTU air handlers

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- Master cabin: Ecofit 24000 BTU air handler
- Each air handler has it's own control panel

Engines

- 2 x M215C hp Perkins in line 6 cylinder turbo engines using PRM 1000 gearboxes
- 2 x AMARTECH hydraulic variable pitch propeller systems including Axiseal water cooled shaft seals and Aqua drive couplers.
- Sound-proofed/fire insulated to LY2 standard engine rooms, mechanically ventilated
- 2 electrical engine control panels with sights and alarms Deluxe model
- Electrical control for the engines at each helm station. Controls by Seimi Micro Commander.
- Dual racor filtration filters on each engine.
- Maintenance free engine starting batteries
- Exhaust is standard wet type using HMI marine silencer water locks

Watermaker

- 2 x Independent Sea Recovery Aqua Matic SRC 1800-2 AMC with remote panels incorporating auto fresh water flush system Apx 65 gph each

Electricity

- Maintenance free House batteries by Mastervolt 2500 AH / 24Volt system developed by 24 x 2 Volt gel cells
- 2 NORTHERN LIGHTS 26KW / 220V generator (11,000Hrs), with main control panel at Nav station and secondary controls in engine rooms
- Around the world 110V/220V capability - 110 V input gets transformed to 220 for charging batteries only
- 8 x solar panels on the bimini

Electronics

- B&G Hydra 3000 system
- 1.4 M curved mast head wind speed and direction sensor
- 5 x H3000 GFD (Graphic Function Display) Location: Captain cabin, Master cabin, Nav station and one on each helm station
- 2 x 20/20 displays. Location: Interior bulkhead mounted above entrance door., includes separate push button control
- 2 x 30/30 displays, location: Exterior bulkhead mounted in cockpit, includes separate push button control.
- 4 x Analogue displays: 1 x wind direction at each helm station plus wind direction and wind speed at Nav station.
- Speed & depth sensors with SOV housing.
- 2 x independently installed B&G ACP2 auto pilot computer controls and 3 x pilot control heads. One at Nav station and one on each helm station.
- Halcyon gyro compass connected to one pilot and standard fluxgate compass connected to second pilot.
- 2 x independent auto pilot hydraulic power packs and rams manufactured by SAS Lecomble and Schmitt.
- 1 x Remote control
- 2 x 19" LCD VDS screen marine monitor at chart table.
- 2 x 15" LCD VDS marine monitor with trackball at helm station
- Furuno fish finder sounder module 600w transducer

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- 2 x Marineized computers type BB-M03/BE with DVD RW, Windows XP Pro (Office pack installed) Intell Pentium
- M 745 @ 1.8 Ghz + 80 GB hard disk + 2 GB Ram
- Max Sea software
- Optima software
- WiFi & video splitters
- 1 x B&G Barometric pressure sensor
- 1 x GPS GMDSS GP 150
- 1 x GPS Furuno GP32 Installed + antenna
- 1 x AIS GMDSS Furuno FA 150-24v
- 1 x Furuno Radar Navnet VX2 1824C and software.
- Furuno Fax 30 with active antenna
- GSM/GPRS terminal 2G LR Easygate RT3000 triband with antenna
- GMDSS Sailor VHF RT 5022 DSC Duplex 24v with 2 x antennas
- 2 x GMDSS Sailor SP 3300 portable VHF radios
- Class A GMDSS Sailor SSB Series 5000 MF/HF 150w with 2 antennas + telex
- GMDSS Inmarsat C T&T TT3020C with screen, keyboard and printer
- Thrane and Thrane Sailor 500 BGAN broadband system.
- Iridium SC4000 terminal installed and configured + antenna
- GMDSS Navtex NX 700P GMDSS
- Active Echo radar detector
- 2 x Sailor SART
- 1 x SGE II EPIRB with container + 2 x Kannad GPS EPIRB
- 1 x Barograph Vion A 4000
- 2 Raymarine 9" independent plotters. One at each helm.
- Furuno 30w LH 3000 with hailer SP 40 and foghorn
- Alarm Cobra with 1 ultrasonic detector + 2 x remote control

Fire Fighting

- According to MCA regulations

Safety

- According to MCA regulations
- Complete safety pack (including 3 x Viking 8 man liferafts)
- Wave Finder MOB kit including 3 controls

Miscellaneous

- Set of warps and fenders:
- 12 x long blow up fenders
- 7 emergency "fisherman" A6 extra large storm fenders
- 2 x large round blow up
- 4 x square blow up
- 220V air pump for fenders
- Barbecue
- Bauer Junior dive compressor in the cockpit locker, 220 V with S/S frame
- Antifouling 3 coats self eroding MICRON 66 as per manufacturer's specifications

Disclaimer

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