



AUSTRIAN
OCEAN
RACING

VOLVO OCEAN 65
VO65 SISI - AUT 01



Technical Info

Price: on request
Flag: Austria
Year: 2014
Hull Nr.: 04

LOA: 66'11" / 20.4m
LWL: 65'7" / 20m
Beam: 18'4" / 5.60m
Draft: 15'8" / 4.78m
Displacement: 12,500kg / 27,557lb
Hull Material: Carbon fiber composite
Engine: 1 x Volvo Penta D2-75
Builder: Green Marine – Persico
Designer: Farr Yachts

The Volvo Ocean 65 is an iconic offshore race yacht. Conceived especially for the Volvo Ocean Race, with a brief following a downturn of entries from the spiraling costs of the Volvo 70 – a study was undertaken to provide a one-design class to keep costs down and provide a close and entertaining race for the public to follow.



Farr Yachts' design produced a yacht that was capable of being just 2.7% slower than the Volvo 70 class, but significantly more robust, and designed with more protection for the crew. In fact, the VO 65 holds the Volvo Ocean Race 24-hour distance record, a testament to the strong build and excellent design of the yacht. The recently added A4 gennaker provides a great package for IRC racing.

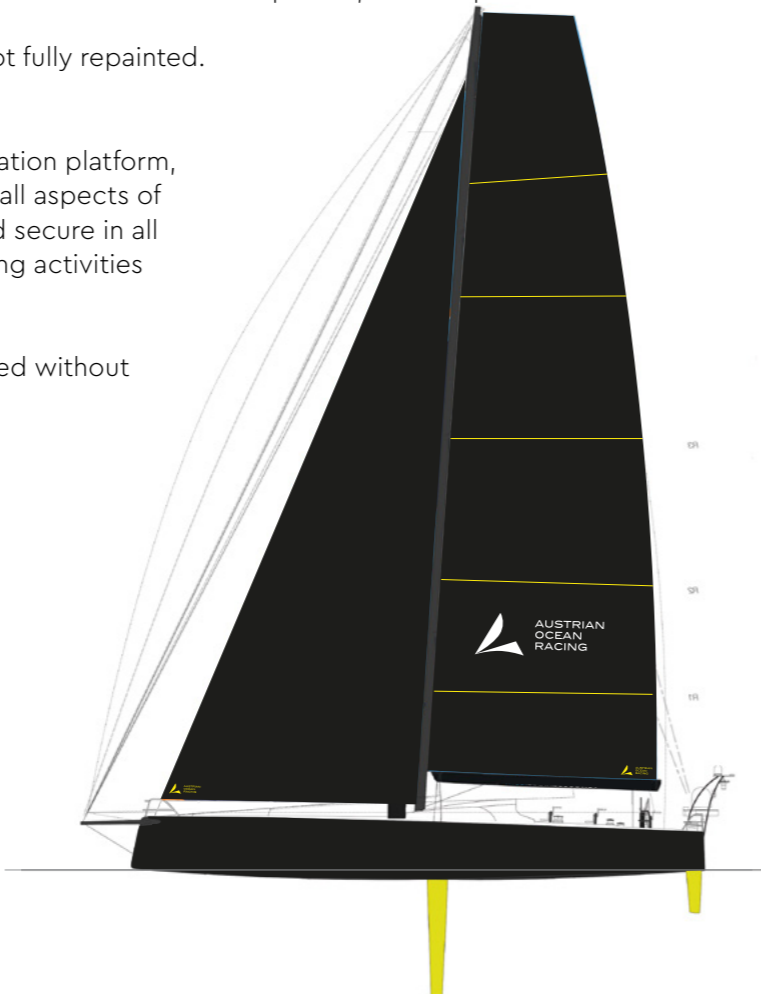
Volvo Ocean 65 NO4 has competed in the race a few times, originally as TEAM ALVIMEDICA, VESTAS 11th HOUR RACING. Then it competed under the current owner in THE OCEAN RACE EUROPE 2021 and THE OCEAN RACE 2023. Now she is available for the next race and beyond, comes as a complete package with support container and cradle.

The Yacht had 3 in-depth refits since the launch in 2014. The latest refit has been carried out in the winter 2022/23 in preparation for THE OCEAN RACE 2023. The yacht has been fully disassembled, paint completely stripped, and NDT scanned. All mechanical components have been renewed or replaced, the composite structure has

been brought in new condition and the yacht got fully repainted.

Sisi has proven to be a perfect training and education platform, allowing sailors to learn, experience and master all aspects of true ocean racing. On a boat that is truly safe and secure in all aspects, therefore perfectly suited for guest sailing activities and to train the next generation of ocean racers.

She is in marvelous condition and ready to be used without any major service coming in the near future.



Hull, Deck & Superstructure Construction:

The Hull was down to the bare carbon structure in Q4 2022, everything got NDT scanned by QI Composites and an in-depth repair schedule by Farr Yacht Design has been carried out at Sangiorgio Marine and Nero Composites.

- The hull, internal structure and deck are constructed of carbon fibre composite sandwich.
- In the forward slamming area Corecell is used, and the rest of the yacht is kevlar honeycomb. Slamming area has been rebuilt in the last refit, new core and composite according to Farr Yacht Designs guidance.
- Sprint resin infusion holds the structure together with maximum strength and minimum weight.
- The hull is fully repainted in Akzo Nobel paint, offwhite deck and black hull.
- The antiskid on the foredeck is freshly painted, Protect Tapes foam in the cockpit and interior floor.

Keel, Rudder & Ballast:

Complete System rebuilt in the latest refit, Cariboni refurbished the system, all new seals, bearings, gaskets and hoses have been installed. A brand-new DC power pack and Bosch Rexroth hydraulic pump was installed. The rudder bearings have been serviced and replaced by Jefa Marine in Denmark. All appendages get removed and serviced annually.

- Canting keel to +/- 40 degrees with 5 degrees of incline axis.
- Twin forward daggerboards, inboard triangulation.
- Twin fixed rudders – composite stocks.
- Twin 800 litre ballast tanks under cockpit sides at transom.
- Single centerline 1,100 litre ballast tank forward of mast.
- Keel and bulb manufactured by Iron Brothers.
- Canting mechanism and bearings from Cariboni.
- 3 x Rudders – fully NDT scanned and refurbished.
- 2 x Dagger boards – fully NDT scanned and refurbished.

Engine and Accessories:

During the last refit a new engine and Saildrive has been installed, the engine bilge has been reinforced and all accessories and mounts have been renewed.

- 1 x Volvo Penta D2-75 with S-drive. – new 2022
- Main engine acts as generator. Full charge in around 1 hour per day.
- PTO – Bosch Rexroth – new in 2022





The yacht has a 24V DC Mastervolt system and B&G navigation. The complete system was serviced in Q4 2023, all wires tested, old wiring removed/replaced. A new inverter was installed, and a Starlink antenna mounted.

The alternators are driven by the main engine, as comparatively low-current-draw equipment, high alternator output, and a very high recharge acceptance rate for the lithium-ion batteries. It takes around one hour a day to bring all systems up to full charge, minimizing diesel consumption.

Battery and Charging:

The batteries have been always monitored and properly charged, they are in good condition and while racing the yacht requires only one 40min charge cycle every 24 hours.

- 2 x Mastervolt MLI Ultra 24V 5000.
- Mastervolt Chargemaster – new 2023.
- 2 x 150 Amp Mastervolt alternators on main engine.
- 2 x Alpha Alternator 24/150.
- 2 x Magic DC-DC.
- 5 x Czone Interface
- Czone Touch5. – new 2022.
- Czone COI.

Communiaction:

- FB500 + Transceiver.
- FB250 + Transceiver.
- Starlink + Router – new 2023.
- YB Antenna.
- 4x 4G Antenna + Cradlepoint – new 2023.
- Garmin Inreach Handheld – new 2022.

Navigation and Instruments:

- WTP3 Processor.
- B&G Zeus 9” Plotter.
- Garmin GPSMAP 7” – new 2021.
- 8x B&G H5000 GD.
- 5x B&G 20/20 HV Display new 2022.
- 4G Broadband Radar.
- 2x ZG100 – new 2023.
- Precision 9 Compass.
- 9 Axis Garmin Compass – new 2021
- VMHU / HMHU.
- WTP Rate Gyro.
- 3D Motion Sensor.
- 4x Paddle Wheel.
- B&G Barometer.
- N2k Depth Transducer – new 2023.
- 2x Rudder Sensor.
- 2x Deflector String Pot.
- 6x Loadpin Rigg.
- Volvo Engine Gateway.
- Czone Network Bridge.
- Masterbus Network Bridge.
- 2x Nav PC – Lenovo Thinkpad – 2023.
- NSPL-400.
- NAIS-400.
- Garmin VHF 215 + Handset – new 2021.
- VHF Antena – new 2023.

Watermaker:

The complete watermaker system was rebuilt in Q4 2023, all new membrane, pumps, all fittings and hoses were replaced.

- SPECTRA watermaker – Cape Horn Xtreme model. 15G / hour. – new 2023

Bilge Pumps:

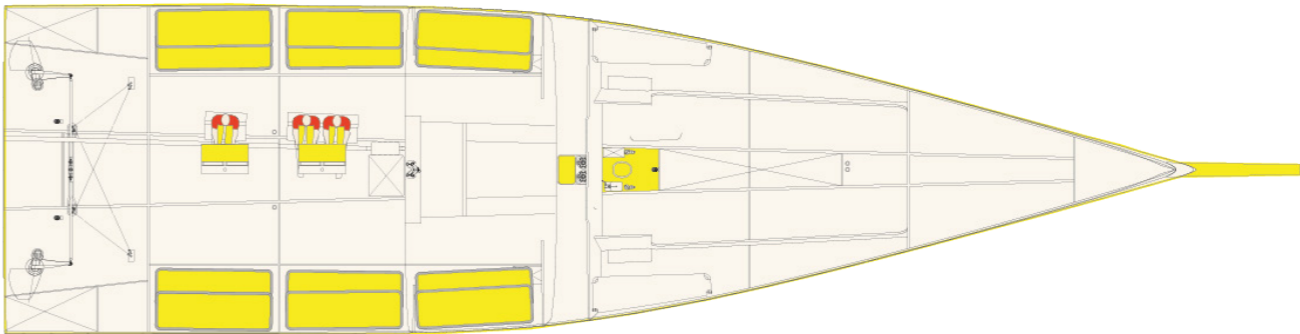
- Plastimo on deck bilge pump. – new 2022
- Fitted bilge pump in hull. – new 2022
- Emergency bilge pump.



Internal Layout:

Built to be Raced with 10 sailors plus OBR.

- Dedicated NAV and OBR desks.
- Galley.
- Head including electric toilet pump.
- 12 x Bunk Beds.



Deck Equipment

Rig:

well serviced. The standing rigging has been completely serviced by Future Fibres and was newly braided during the last refit and is in perfect condition. The rig, including all components get fully serviced anually.

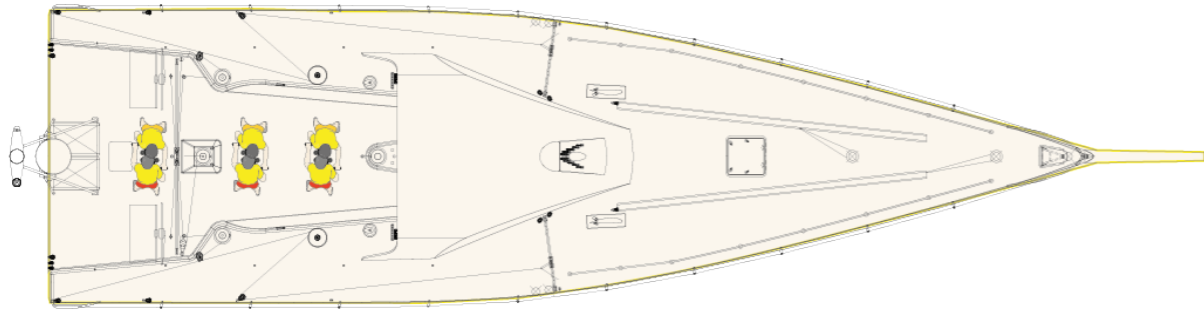
- 99.4' / 30.30m rig height.
- 7' / 2.14m bowsprit length.
- The deck-stepped mast has a tube length of 28.4m (98') and is built from High Modulus Carbon Fibre.
- It was designed in-house by Southern Spars using the DesMan and RigCalc software packages, integrated with the North Sails design software.
- Structurally, there are 202 pieces of Carbon Fibre pre-preg in each mast tube, with an additional 52 patches of structural reinforcement.
- The Volvo Ocean 65 sports a 7.68m racing box boom again built from high modulus carbon and weighing 68kgs.
- Its deep section provides maximum stiffness to weight efficiency and provides extra downwind sail area.
- With internal locks at the outboard end of the boom, reefing is made efficient for the crew to manage in strong winds.
- The rigging consists of nine separate stays and is constructed from intermediate modulus carbon fibre, with main stays that have a 26-ton minimum break load.
- The ECsix carbon rigging is four times lighter than comparative nitronic steel rigging.
- It has a multistrand construction based on a bundle of small rods for safety, durability, longevity and flexibility in the toughest conditions.
- Twin topmast backstays and checkstays with deflectors.
- Forestay.
- Checkstays.
- Topmast runner.
- D1's.
- Continuous laterals.
- Spreaders.
- Wand horizontal and vert.
- 2 x Reaching struts Southern Spars.
- Boom Southern Spars.Head.



Deck Hardware:

All winches have been checked by Harken Italy and fully rebuilt during the latest refit. The ceramic coating has been completely redone by Keronite in the UK. All bearings, bushings, gears, and the complete drive system is serviced regularly. Blocks, furlers, swivels and other hardware was completely rebuilt or replaced. All components get serviced frequently by certified technicians.

- 2x HARKEN B1111.3 ST.
- 4x HARKEN B990.3 ST.
- 2x HARKEN B65.2 STR.
- 3x Pedestals HARKEN MX 2 Spd Carbon.
- 6x Winch handles HARKEN.
- Swivels and furlers KZ Marine 10 ton.
- Harken and Ubi Maior blocks.
- Spinlock clutches and jammers.



Sails:

- Mainsail 2014 & 2023.
- J1 2017.
- J2 2017 & 2025.
- J3 2017 & 2025.
- J0 2017.
- MH0 2017.
- FRO 2017.
- A3 2017.
- MH0 2017.
- Storm sail 2017.
- A4 2025.
- J1 2023.

General:

- Full set of running rigging.
- Spare sheets.
- Tool kit.

Safety Equipment:

Equipped to cover every possible emergency with the satellite communications, Emergency Position Indicating Radio Beacons or EPIRBs, Personal Location Beacons or PLBs, Search and Rescue Transponders (SARTs), and handheld VHF radio etc. All life saving appliances get serviced and certified annually

- 3 x EPIRB – new 2023.
- 2 x Spare Handheld VHF.
- 20 x Spinlock Vito Lifejacket + AIS & Tether.
- 12 x PLB – new 2023.
- Jon Buoy – serviced 2023.
- 3 x Inflatable Horseshoe – serviced 2023
- 2 x Liferaft SOLAS A – serviced 2023.
- 2 x Fortress Anchor.
- Emergency Steering.

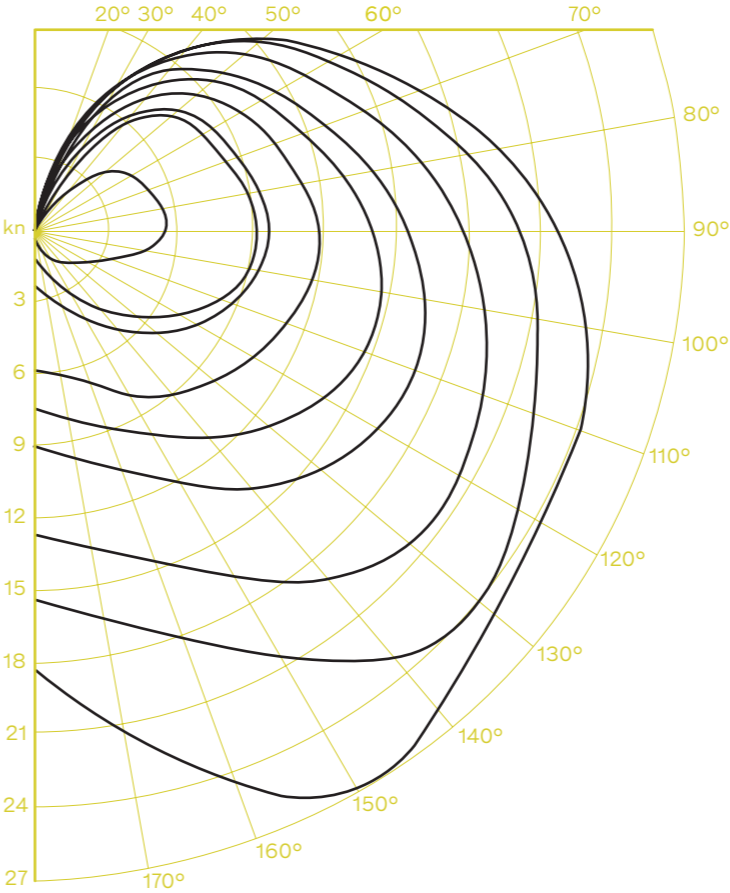
Anchoring & Mooring Equipment:

- 2 x Fortress Anchor.
- Fenders – new 2022.
- Dock lines – new 2025.

Workshop-Container:

- Insulated 40ft high cube seaworthy.
- Workbench stainless steel.
- Cupboards steel.
- Storage rack steel.
- Vice.
- Tool box w/misc tools.
- Bin plumbing.
- Bin water maker spares.
- Spare furlers.
- Winch spares.
- Deck hardware spares.
- Mast jack.
- Harness and tethers.
- Stacking bags.
- Electronic spares.
- Stacking posts.
- Stanchions.
- Rigging hardware spares.
- Spinlock jammer spares.
- Safety spares.
- Keel hydraulic spares.
- Engine spares.
- Engine and saildrive used.
- Deck hatch used.
- Running Rigging.
- Spare reaching strut.
- Battens full spare set.
- Sleeping pads.
- Spare covers.
- Boat on frame and splashes.
- Mast trolley.
- Ratchet straps.
- Lifting

Polar Diagram:





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