CRUISER RACER
www.cruiser-racer.com

Buscarons, 6. 08022 Barcelona (Spain)
Tel.:(+34) 934 186 632
Mobile: (+34) 616 420 634
E-Mail: info@cruiser-racer.com

VOLVO OCEAN 65

SOLD

Yacht Name	VOLVO OCEAN 65	**LOA**	20.4 m
Designer	Farr Yacht Design	**Beam**	5.60 m
Year	2014	**Draft**	4.78 m
Location	Lisbon-Portugal	**Displacement**	12.500 kg
Price	600.000€	**Engine**	Volvo Penta D2-75 new 2024

BROKER'S COMMENT:

This boat's racing pedigree is guaranteed with outright victories in the Volvo Ocean Race 2018 and Ocean Race 2021.

DESCRIPTION:

VOLVO OCEAN 65

YACHT HIGHLIGHTS

This is a great opportunity to acquire the best-maintained VO65 in the fleet. This is an ex-Dongfeng, which has a winning record and has been maintained to the highest standard by well-funded teams. This boat has also always had a full-time shore team managing its care.

Maintained to the standards recommended by the class and the various team manufacturers, no expense has been spared in keeping this boat in top condition for racing. When not sailing, the boat is stored completely disassembled in a shop. Aside from being a very competitive boat in offshore racing, it is also an excellent dayboat with a small, capable crew of five.

Complete annual overhaul and maintenance of the mast, hull, structure, and system.

This boat's racing pedigree is guaranteed with outright victories in the Volvo Ocean Race 2018 and Ocean Race 2021.

TRIUMPHS ACHIEVED:

- Dongfeng Race Team won the Volvo Ocean Race 2017-18 in a very close finish on June 24, 2018.
- The Mirpuri Foundation Racing Team won the Ocean Race Europe in Genoa, Italy, in June 2021. Their victory in the final coastal race secured their overall win in the VO65 class.

FEATURES

- Two complete sets of sails, North Sails one design
- New engine installed in 2024
- New keel rams, and hydraulics system installed 2022
- New rudders from 2019 (didn't race around the world)
- Major upgrade to winch system, new gear boxes, new winch bases and several parts in 2022
- Two sets of boat cradles with one 40' flat rack, two sets of scafolding
- NDT made yearly to hull, appendices and mast
- New mast spreader roots from 2022
- New deck nonskid paint and seadeck 2023
- Winters spent inside a tent, completly disassembled and serviced every year

DESIGN

Builder:	Green Marine
Designer:	Farr Yacht Design
Shipyard:	A Shipyard Consortium
Design Notes:	• A Shipyard Consortium • Green Marine Ltd. - Main manufacturer. Hull - deck, paint, and hull fittings. • Decision S.A. - Internal structure and bulkheads manufacturer.

- Multiplast - Deck manufacturer.
- Persico S.P.A. - Hull manufacturer and Persico internal structure assembly.

DIMENSIONS

LOA:	20.4 m
LWL:	20 m
Beam:	5.60 m
Draft:	4.78 m
Displacement:	12.500 kg

ENGINES

Engines: Volvo Penta D2-75 new 2024

Notes:

- New engine 2024,Volvo Penta D2-75
- New engine gear box 2023
- Total power: 75 hp
- Engine type: Inboard
- Transmission type: Sail Drive transmission

TANKS

Notes:

Watermaker:
SPECTRA Watermaker - Cape Horn Xtreme model. Can be operated with one pump for efficiency or two for speed. 15G/hour.

Bilge Pumps:

- Plastimo bilge pump on deck.
- Hull-mounted bilge pump.
- Emergency bilge pump.

NAVIGATION INSTRUMENTS

Notes:

- Electronics all working with several upgrades, including new type wind sensor and VHF,
- Fully customized B&G system including:

- WTP3 CPU
- 2x Plotters
- 8x Graphic Displays
- 5x 20/20 Mast Displays
- Complete diverse load cell system on the forestay, bobstay, runners, J1, J2, and J3 tacks
- Radar
- 2x wind sensors on the mast and one spare
- 4x Boat Speed Sensors - two aft, one bow, and one bulbous keel.

DECK EQUIPMENT

Deck hardware: Harken

Winches: Harken

Notes:

Winches:

- HARKEN B1111.3 ST Primaries.
- HARKEN B990.3 ST sheet.
- HARKEN B990.3 powered pit.
- Runners HARKEN B990.3 ST.
- Pit HARKEN B65.2 STR.
- HARKEN MX 2 Spd Carbon Pedestals.
- All winches have new bases, and many new parts onboard, as recommended by Harken for round-the-world racing.
- New pedestal system with completely new gearboxes and the entire system inside the pedestal.
- Two sets of custom VO65-class tylaskas for the A4, with a halyard and a tack tylaska specifically made for the VO65 by KZ furlers.
- The entire boat continues to meet VO65 class requirements with all the equipment required by the rules, including spares.

SPARS & RIGGING

Sails:

- Two complete sets of sails, North Sails one design

Spars and Rigging Notes:

Rig:

- Mast height: 99.4' / 30.30m.

- Ram length: 7' / 2.14m.
- The deck-supported mast has a tube length of 28.4m (98') and is constructed of high-modulus carbon fiber.
- It was designed in-house by Southern Spars using the DesMan and RigCalc software packages, integrated with North Sails' design software.
- Structurally, there are 202 pieces of prepreg carbon fiber in each mast tube, with an additional 52 structural reinforcement patches.
- The Volvo Ocean 65 features a 7.68m race box boom, also constructed of high-modulus carbon and weighing 68kg.
- Its deep section provides maximum stiffness-to-weight efficiency and offers additional downwind sail area.
- Internal locks at the outboard end of the boom make lowering efficient for the crew in high winds.
- The rig consists of nine separate stays and is constructed of intermediate-modulus carbon fiber, with main stays having a minimum breaking load of 26 tons.
- The ECsix carbon rig is four times lighter than the comparable Nitronic steel rig.
- It features a multi-strand construction based on a bundle of small rods for security, durability, longevity, and flexibility in the toughest conditions.
- Twin masthead stays and check stays with deflectors.
- Spare mast.
- Two sets of KZ furlers, including 8x head swivels.
- Two sets of halyards, one reserved for racing and the other for normal sailing.
- Two sets of sails, including two A4 spinnakers and one A3 spinnaker, one set used for racing and the other for normal use.
- Two sets of sail lines.
- Two sets of sheets (each set contains: 4x kite sheets, 4x jib sheets, main sheet, 2x runners, and a short sheet).

ELECTRICAL

Generator: The main engine acts as a generator

Notes:

Voltage Systems:

As part of the weight-saving design concept, the Volvo 65 uses 24-volt DC electrical systems.

This allows for weight savings by minimizing wiring size compared to a more common 12-volt DC system.

Batteries:

- Two Mastervolt lithium batteries that save around 70% of the weight of traditional batteries with the added benefit of being very robust.
- Mastervolt lithium-ion batteries save up to 70% in weight compared to more traditional battery technology.

Alternators:

Two heavy-duty Mastervolt alternators with a 150-amp output.

The alternators are driven by the main engine. Due to their low current draw, high alternator output, and very high recharge acceptance rate for the lithium-ion batteries, engine runtime is minimized.

It takes about an hour per day to bring all systems to a full charge, minimizing diesel fuel usage, which means less fuel and, therefore, less weight that needs to be carried on board.

Generator:

The main engine acts as a generator. A full charge is achieved in about an hour per day.

SAFETY

Notes:

Complete set of safety equipment, including 2 lightweight liferafts and spinlock lifejackets.

- 2x EPIRBs
- 11x Personal Positioning Beacons
- SARTs
- Handheld VHFs
- 2x 12-person carbon liferafts
- 12x spinlock lifejackets + harnesses
- 2x emergency bags
- 2x Jon buoys
- Distress signals and MOB position and alert system

CONSTRUCTION

Notes:

- Upgraded keel system as per Cariboni recomendation, including new rams (2022).
- New keel rams, and hydraulics system installed 2022
- New rudders from 2019 (didn't race around the world)
- New non skid and Seadeck done 2023
- 3 rudders

- 2 daggerboards
- 3 outriggers
- 2 cradles, 2 sets of scafolding
- 1 flatrack to fit the cradle

EXTRA NOTES

Extra Notes:

- 1 workshop container insulated, fitted with shelves, bench, electricity, lights.
- Full set of harken gear boxes spare, since new ones replaced in 2022.
- Several winch spares.
- Several rigging spares, loops, dogbones, sheets, strops, etc.
- Several hydraulics spares.
- Electronics all working with several upgrades, including new type wind sensor and VHF,
- Boat kept inside during winter period .
- Yearly NDT test to mast, boat structure and apendix.
- Updraded spreader roots as per Southern Spars recomendation to the fleet (2022),
- Upgraded keel system as per Cariboni recomendation, including new rams (2022).
- Upgraded Winch system as per Harken recomendation, including new winch bases (2022).
- Rib Tr14,

Cruiser-Racer offers the details of all vessels in good faith but cannot guarantee or warrant the accuracy of this information or warranty the condition of any vessel and the details do not constitute a part of any contract. A buyer should instruct his agents, or his surveyors, to investigate such details as the buyer desires validated. All vessels are offered subject to pior sale, price change, or withdrawal without notice.
Cruiser-Racer provides professional yacht conveyancing and legal transfer of title for all yachts as per the ABYA Code of Practice with all deposit payments and final balance payments processed through secure dedicated client accounts solely for that purpose.