

FOR SAIL

VO65 003 (VOLVO OCEAN 65, BUILDING NUMBER 003)



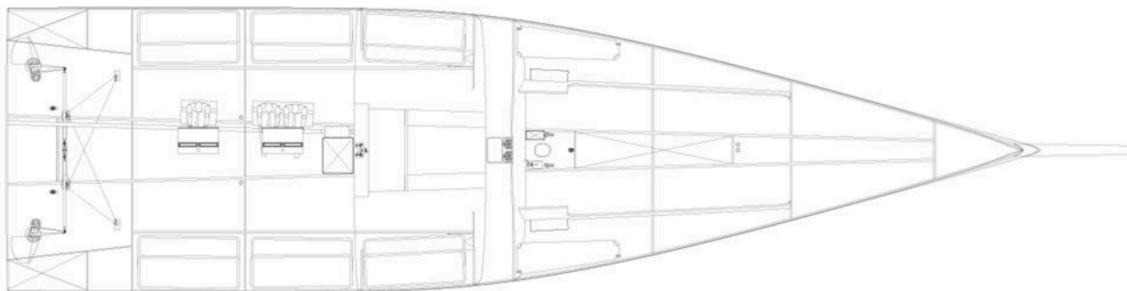
Campaign ready:

- Built 2013, launched early 2014
- Complete refit by Royal Huisman in summer 2022
- Refit in Badalona januari 2023
- Antifouling August 2024
- 2023 Main, A4, MH0, J2 and J1 (only used for Ocean Race sprint Cup and Fastnet Race). Including cables
- 2 older sets of sails
- On shore Breskens NL

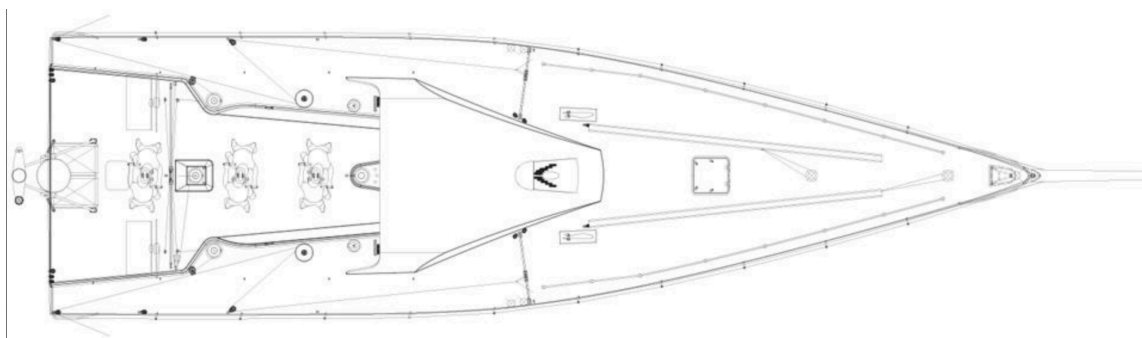
ABOUT

- Team JAJO raced the Ocean Race 2023 and became second. The same boat that raced 2 times The Ocean Race under the TEAM BRUNEL and became second in the edition 2014-15 and third in 2017-18. Winning several legs and very close to the overall victory in the last round ending third in the last race. Built in 2013, first launched early 2014.
- Boat is completely refitted by Royal Huysman in summer 2022, new paint underwater, deck with new non-skid, seadek in the cockpit. The boat has been fully NDT tested by QI of hull, deck keel, mast, boom, rudders and all bearings, axels and cylinders of the canting keel system.
- December/January 2023 refit of electronics, hydraulics and sails
- A large part of the deck gear has been changed and renewed. These include bearings, blocks, jammers, strops.
- Complete service and check by the official suppliers: JP3, Cariboni, B&G, Navtec, spectra watermaker, diverse sensors, etc., etc.
- All plumbing, pumps, and wiring has been renewed .

INTERIOR LAYOUT



DECK LAYOUT



LOA: 66'11" / 20,4m

YEAR: dec 2013, launched early 2014

LWL: 65'7" / 20m

BEAM: 18'4" / 5,60m

DRAFT: 15'8" / 4.78m

Displacement: 27,557lb / 12,500kg

Hull Material: Carbon

Engine: Volvo Penta D2-75

Designer: Farr Yachts

Builder: Green Marine

INVENTORY

SHORE

- 1x Custom cradle VO65 incl 8 legs
- 40 ft container, picture tools, lights , storage frames incl all spare parts.
- lifting gear slings
- aluminum tower stairs 6m high
- 2 mast cradles incl wheels
- 8x winch covers
- 1x Boom cover
- 2x Daggerboard cover 1x
- Hose
- 4x Mooring Lines
- 4x Jerrycans
- 1x Charge box

LINES

- 4x Kite sheets (no sheets rigged)
- 4x Jib sheets (no sheets rigged)
- 1x Main sheet
- 1x Runner tail
- 3x Jib lead
- 1x Tackline

DECK GEAR

- 1x Mesh bag: 7x ratchets
- 1x Mesh bag: 8x stacking poles
- 7x Ttr Kite Blocks wide Harken (1 without dogbone)
- 5x Furler (1x new)
- 1x Ttr kite block narrow Harken
- 1x Floating Jammer
- 2x Block bungee hook furling line
- 5x jib lead + bungee
- 2x 5t snatchblock Harken
- 1x 8t snatchblock Harken
- 2x snatch block Equiplite
- 1x hook velcro tracer
- 11x Jib leads blue
- 1x tylaska t20 with tylaska trip
- 4 top swivel (few attached to sails)
- 1x yellow outrigger strop
- 1x blue outrigger strop
- 1x orange dog bone
- 8x winch handles

OUTRIGGER

- 2x Outrigger plus cover

SLEEPING BAGS

- 6x with thick and thin inner layer

DIVING EQUIPMENT

- 1x Bottle
- 1x BCD
- 1x Bag with accessories
- 1x wetsuit
- 1x goggles

SPARE BAGS

- 2x Toolbox beta
- 1x Boat building
- 1x Winch Kit
- 1x Tape bag
- 1x Sailmaking bag
- 1x mast jack
- 1x fluids

SAFETY (all tested and certified)

- 2x liferaft 8pp
- 11x spinlock life vests
- Mon
- 2x grab bags
- 2x medical Pelicases

CLOTHING

Complete set of foul weather gear

- Helly Hansen

INSTRUMENTS

- satcom inmarsat 250
- 2x new panasonic toughbooks
- radar cable
- impellers in keel & hull
- windunits 1x
- wiring mast

Construction

HULL, DECK & SUPERSTRUCTURE CONSTRUCTION

- Complete check and overhaul in summer 2022 of the hull, mast and structure and systems on board
- The hull, internal structure and deck are constructed of carbon sandwich.
- In the forward slamming area Corecell is used, and the rest of the yacht is kevlar honeycomb.
- Sprint resin infusion holds the structure together with maximum strength and minimum weight.

Keel & Rudder:

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

MACHINERY:

Engine & Gearboxes:

- 1 x Volvo Penta D2-75 with S-drive. Rebuilt in summer 2022
- New gearbox, Saildrive and propeller
- Main engine acts as a generator. Full charge in around 1 hour per day.
- New Alternators
- New Watermaker
- New Wiring
- New Hoses
- New bilge pumps

Equipment

ELECTRICAL SYSTEMS

- As a part of the weight-saving design concept the Volvo 65 employs 24-volt DC electrical systems.
- This allows weight saving by minimizing wiring size compared to a more common 12-volt DC system.
Mastervolt lithium-ion batteries save as much as 70% in weight over more traditional battery technology.
- These are recharged via two NEW heavy-duty Mastervolt alternators with 150-amp output.
- 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, engine run time is minimized.
- It takes around one hour a day to bring all systems up to full charge, minimizing diesel fuel usage, meaning less fuel – therefore less weight needs to be carried onboard.

Battery Banks:

- 2 x Mastervolt Lithium batteries saving around 70% of the weight of traditional batteries with the additional benefit of being very robust.
- Battery charger.

Alternators (NEW 2023):

- 2 x 150 Amp Mastervolt alternators on the main engine.

PLUMBING SYSTEMS:

Watermaker:

- SPECTRA watermaker – Cape Horn Xtreme model. Can be run on one pump for efficiency or two for speed. 15G / hour.

Mast/rigging

- Full NDT in Summer 2022.
- 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.
- Mast 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 68 kgs.
- 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 fiber, with mainstays 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.
- 2 x Reaching struts.
- Full set of furlers.
- Boom.

Complete new strops, mast and deck gear, including new main and jib halyard fitted during 2022 refit.

HARDWARE

WINCHES:

COMPLETE REFIT SUMMER 2022

- Primaries HARKEN B1111.3 ST.
- Mainsheet HARKEN B990.3 ST. Driven
- Pit HARKEN B990.3.
- Runners HARKEN B990.3 ST.
- Pit HARKEN B65.2 STR.
- Pedestals HARKEN MX2 Spd Carbon.
- Deck hardware.
- Winch handles.
- New mainsheet blocks New bearings

GENERAL:

- 1 x Workshop container, including tools and spare parts.
- Custom Vo65 cradle
- 1 set of 2023 sails
- 2 sets of older sails
- Tool kit

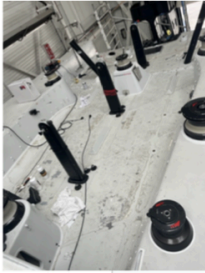
Anchoring & Mooring Equipment:

- Anchor
- Fender
- Warps
- Dock lines

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 hand held VHF radios along with aviation frequency emergency radios.
- Long list of other safety equipment that includes life rafts, Jon Buoy for man overboard recovery, extensive medical equipment, flares, a man overboard alerting and positioning system and of course, lifejackets and harnesses.

REFIT AUG 2022



REFIT AUG 2022



REFIT NOV 2022



ON SHORE IN BRESKENS AUG 2024



40FT CONTAINER (IJmuiden, inside shed)



PAST PROJECTS



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**SAILING
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IN THE OCEAN RACE 2022-23