



SWISS 55 CATAMARAN INTRODUCTION

The Swiss 55 Catamaran is a new semi-custom design from the acclaimed French naval architect Francois PERUS of Yacht Design Collective www.yachtdesigncollective.com and built by Italian builder Top Marine Construction. The hull design incorporates wave-piercing reverse sheer bows, semi-planning hulls, minimal hull rocker, and daggerboards. The Swiss 55 is exciting to sail, achieving great performance both up wind and down wind, often matching boat speed equal or better than true wind speed in light air conditions. It was also important the sail plan could be easily and safely managed by one.

As far as construction, the tooling of the molds was fabricated using a computerized 5-axis router for producing precision molds. Prior to construction Rivoyre Ingenierie produced a Finite Element Analysis (FEA) to calculate loads for the entire structure (hull / appendages / rig) . Construction consists of only 3 molds with ¹both hulls and bridgedeck laminated in one-shot; ²deck mold laminated in one-shot, and ³roof mold.

The hulls, deck, and roof are constructed using E-glass, Core Cell Sans foam core, and epoxy resin infusion post cured to include the three carbon primary bulkheads, carbon longitudinal stringers, chain plates, inner hull bottoms, and daggerboard junctions. The longeron is carbon composite and forward crossbeam consists of a laminated carbon I-beam encased in a composite shell. All thru hulls and deck fittings are in solid laminate to prevent moisture penetrating the foam core. For added safety there are several watertight bulkheads and crash boxes.

The Swiss 55 is offered as a semi-custom model which provides a buyer a great deal latitude for interior layout and décor, as well as sail plan and running rigging options. And having a 5t designed payload capacity ensures you can have your cake and eat too! See Specifications for principal measurements.

Custom yacht builder Top Marine Construction is located in Fano Italy, which is well known in the yacht world as the “Silicon Valley” of the Italian yacht industry. Here there is a deep pool of experienced craftsmen who are passionate about what they build. The managing director of Top Marine is a composite engineer with decades of composite experience in the aeronautical industry, commercial wind turbines, Wally Yachts, Formula 1 racing, and Ferretti Group.

don@navigatoryachtgroup.com
+1-561-301-8649



SWISS 55 CATAMARAN

Principal Dimensions

	Metric	Imperial
Length Overall (Extended Sprit)	18.0m	59'0"
Length On Deck	16.9m	55'4"
Length On Waterline	16.9m	55'4"
Beam Overall	8.32m	27'3"
Beam On Centerline	6.20m	20'3"
Hull Beam @ Waterline	1.76m	5'8"
Hull Depth (Rudders)	1.30m	4'3"
Draft Daggerboards Up	1.30m	4'3"
Draft Daggerboards Down	2.55m	8'4"
Hull Immersion	0.65m	2'3"
Light Displacement	14t	30,865 lbs
Full Displacement	19t	41,888 lbs
Bridgedeck Clearance	1.0m	3'3"
Headroom Salon	2.10m	6'9"
Headroom Hulls	2.0m	6'6"
Mast Length	22.50m	73'8"
Mast Height @ Waterline	25.55m	83'8"
Sail Area:		
Square Top Mainsail	101m²	1,087ft²
Self-Tacking Solent (Jib)	58m²	624ft²
Genoa 110%	80m²	861ft²
Staysail	28m²	301ft²
Gennaker	185m²	1,991ft²
Spinnaker	250m²	2,691ft²
Fuel Capacity	390 lt – 780 lt opt	103 gal – 206 gal opt
Water Capacity	390 lt – 780 lt opt	103 gal – 206 gal opt
Black Water Capacity	2x 67 lt	2x 18 gal
Gray Water Capacity	2x 20 lt	2x 5.3 gal
Yanmar Engine w/Saildrives	57 hp – 80 hp opt	57 hp – 80 hp opt
Certification		CE cat A
Naval Architect		Francois Perus @ YDC
Designer		Marco Amadio/Christion Politsch
Builder		Top Marine Costruzione



2024 SWISS CAT 55 S/V SAPPHIRA

DESIGN:

Francois Perus YDC design consisting of planning hulls, minimal hull rocker, and wave piercing reverse sheer bows with daggerboards.

CONSTRUCTION:

- E-glass inner/outer skins with Corecell M SAN polymer core
- Carbon fiber hull bottom, chain plates, high load areas
- Epoxy Infusion post cured including primary bulkheads, carbon longitudinal stringers
- Both inner/outer hulls and bridgedeck laminated in one shot to eliminate junctions
- Hulls painted in Metallic Blue Acrylic and off-white painted non-skid deck

ENGINES:

- 2x Yanmar 4JH80 80hp Direct Injection Turbo (approx. 525 hrs)
- 2x 390 ltr (2x 103 gal) Vetus Polypropylene Diesel Tanks w/24V Transfer Pump
- 2x Yanmar SD60 Saildrives
- 2x Dual Lever Yanmar V10 Electronic Throttles
- 2x Flexofold 3-Blade Folding Props
- 2x 24V/150Ah Alternators
- 2x 12V/60Ah Alternators
- 2x Racor Fuel/Water Separators (1 per engine)
- 2x Yanmar Fuel Filters
- 2x Engine Room Exhaust Blowers

STEERING SYSTEM:

- 2x Composite Bolsters
- 2x Composite Helm Consoles for Compass, Electronics, Engine Controls
- 2x 900mm Composite Steering Wheels
- JEFA Mechanical Steering System
- JEFA Electric Direct Drive Autopilot

ELECTRICAL SYSTEM:

- 24VDC/220VAC 50Hz Power +12V
- Whisper M-GV 15kW Generator (approx. 100 hrs)
- Custom Sun Power Solar Panels 4.2kW Total
- 4x MG-LFP LiFeP04 304 Lithium Batteries (1,216Ah @ 24V)
- 1x MG Master LV 24-600 BMS Controller
- 1x Victron VDI-64 Galvanic Isolator
- 1x Victron Multiplus 10kW Inverter/Charger
- 2x Victron Skylla-I 24/100 (1+1) Battery Chargers

- 2x Victron 12V/24V Battery Protect Charge/Discharge
- 7x Victron 150/35 MPPT Charge Controllers
- 1x Victron Cerbo CX Master Controller
- 1x Victron GX Touch 70 Control Screen
- 1x Victron Digital Multi Control (200/200A GX)
- 1x Victron Orion TR 24/12-20 DC-DC Converters
- Dimmable Interior/Exterior LED Lights
- 12x 220VAC Interior Outlets (50Hz)
- 10x 12VDC Type-C Interior USB Outlets

PLUMBING:

- Dessalator DUO (DC/AC)100 ltr/hr (26 gal/hr) Water Maker
- 1x 390 ltr (103 gal) Vetus Polypropylene Water Tank
- 2x 35 ltr (2x 9 gal) Quick Water Heaters
- 1x 67 ltr (18 gal) & 1x 801 ltr (21 gal) Polypropylene Black Water Tanks (gravity discharge)
- 2x 20 ltr (2x 5 gal) Polypropylene Gray Water Tanks
- 2x Tecma Electric FW Toilets
- Hot & Cold Transom Shower
- Saltwater Pump w/2 Outlets (chain locker & cockpit)

STANDING RIGGING:

- Axxon High-Modulus Carbon Fiber Mast
- Stainless Rod Forestay
- 2x PBO Cap Shrouds / 2x PBO Lower Shrouds / Martingale
- Carbon Fiber Chain Plates
- Aluminum Boom
- Carbon Fiber Longerons/Bowsprit
- Carbon Fiber Forward Crossbeam / Martingale Spreader
- Harken Mainsail Custom Battcar B System
- Harken Recessed Crossbow Self-Tacking Solent (Jib) Track

RUNNING RIGGING:

- 2x 24V Harken 60.2 STEH Radial Winches @ Port Helm Station (halyards / sheets / 1st & 2nd single line reefs)
- 2x 24V Harken 60.2 STEH Radial Winches @ Starboard Helm Station (halyards / sheets / 3rd reef)
- 2x 24V Harken 70.2 STEH Radial Winches (flying headsails)
- 1x 24V Antal 700 Mainsail Line Driver
- 1x 24V Facnor EF+550 SX47 Genoa Furler
- 1x 24V Facnor EF+550 SX47 Staysail Furler
- 1x Facnor FX7000 Gennaker Continuous Furler
- Antal Rope Clutches
- Dyneema Mainsail & Headsail Halyards

SAIL INVENTORY:

- Incidence DFI Membrane Offshore Mainsail 103m² (1,109ft²)
- Incidence DFI Membrane Offshore Genoa 70m² (753ft²)
- Incidence DFI Membrane Offshore Staysail 20.6m² (222ft²)
- Incidence Stormlite Gennaker 224m² (2,411ft²)
- Incidence CZ Aramide Code Zero 105m² (1,130ft²)

DECK EQUIPMENT:

- Carbon Fiber Daggerboards w/24V Antal 700 Line Drivers
- Swiss Cat Composite Cantilever Tender Lift
- OC 3.5m (11.5ft) Tedner
- Flexiteek Cockpit & Transom Steps
- Transom Retractable Swim Ladder
- Tempered Glass Hull Windows & Salon Windows / Cockpit Sliding Doors
- Composite Hi-Lo Cockpit Table
- Port & Starboard Cockpit Bench Seating w/Storage Below
- Forward Facing Cockpit Bench Seating Aft
- Composite Helm Station Electronic Consoles
- Carbon Fiber Stanchions w/Dyneema Lifelines
- 8x Vetus Taurus Stainless 360mm (12") Cleats
- Starboard Transom Retractable Passarella (gangway)



MOORING:

- 24V Maxwell RC12 Vertical Windlass w/Capstan
- 100m Stainless 10mm Primary Anchor Chain
- 1x Rocna 34kg Stainless Primary Anchor
- 1x Danfoss 20 kg Secondary Anchor
- Braided Nylon Anchor Bridle
- 8x 760mm x 300mm (2.5' x 10") Fenders w/Socks
- 2x 460mm (1.5') Ball Fenders

ELECTRONICS:

NAV STATION

- 2x Raymarine Axion 2 PRO S Flush Mounted 16" Chartplotters
- 4x Raymarine Alpha 9 Displays
- 1x Raymarine RAY 91 VHF Radio

- 1x Raymarine EV-70 Autopilot Core Pack
- Fusion Stereo System

PORT HELM STATION

- 1x Raymarine Axion+ 9" Display
- 1x Raymarine e70 MFD
- 1x Raymarine P70 Autopilot Controller

STARBOARD HELM STATION

- 1x Raymarine Axion+ 9" Display
- 1x Raymarine e70 MFD
- 1x Raymarine P70 Autopilot Controller

ACCOMMODATIONS:

SALON

- Straight Settee to Starboard
- Hi-Lo Dining Table
- 4x Composite Folding Chairs
- Nav Station Forward

GALLEY

- U-Shaped to port with large stainless sink, 4-burner gas stove, Vitrifrigo double drawer fridge & Vitrifrigo double drawer freezer. Composite counter top w/multiple cabinets below.



PORT HULL (Owner's Suite)

- 1.8m x 2m (5.9' x 6.6') bed aft; numerous wardrobe closets and Hoover H-Wash 7kg washing machine midship; bathroom forward including shower stall.

STARBOARD HULL (Guests)

- Aft stateroom with 1.8m x 2m (5.9' x 6.6') bed, wardrobe storage
- Midship bathroom including shower stall, wardrobe storage
- Forward stateroom with 1.6m x 2m (5.2' x 6.6') bed, wardrobe storage



MISSALANIOUS:

- Webasto 50,000BTU Air Conditioning
- Webasto Pro 90 Heater System

SPECAIL DEMO PRICE: €2,500,000

LOCATION: Roma, IT

don@navigatoryachtgroup.com +1-561-301-8649

This document is property of Navigator Yacht Group; reproduction of any or all parts of its contents is prohibitive without written permission by Navigator Yacht Group.

Details on this vessel have been obtained from sources believed reliable but are not guaranteed. Buyer assumes responsibility of determining accuracy of the data. Offered subject to prior sale, price change, inventory change, or withdrawal without notice.