

INTRODUCTION

S/Y RAFOLY is a new **Luxury Cruising Yacht Catamaran** designed by the talented office of Blue Coast Yachts headed Jean-Jacques Coste. She is one of the largest and most luxurious sailing catamarans on the water and she offers the highest level of comfort, safety and easy handling.

The yacht shows an exceptional styling with modern and elegant lines, which are perfectly integrated with the huge interior volume. She is a high-class yacht, elegant and refined, made for cruising with one's friends and family alike. She is roomy and simple to sail, she represents an ideal means of living in communion with the sea while fully enjoying luxury and comfort of an exceptional vessel.

S/Y RAFOLY is a three decks sloop rigged catamaran. She has the level of comfort of a motor yacht with sensations of a sailing yacht. The good performances under power allow high cruising speed for long-range passage making.

The Catamaran concept exceeds current super yachts exigencies. There is practically no heeling and the long and narrow hulls provide a very smooth passage through the sea, even in rough conditions. The exceptional catamaran stability offers comfort experience above "mono hull" level and allows very comfortable sailing as well as moorings even in rolling seas. The shallow draft allows anchoring very close to sandy beaches but, above all, opens up whole cruising areas that were not previously accessible to yachts of this size. Safety, privacy, space are another important issue and big advantages for a family use and/or yacht charter.

The total width of the yacht is contained in reasonable proportions, in order to reduce structural efforts and permit access in most marinas. The structural platform has a high sea clearance to eliminate wave's impacts. The remarkable living covered area is close to 150 m².

The yacht should not be considered as a mere day-cruiser catamaran. With its 28.20 meters in length, 13 meters in beam and mast height of 35 meters, she is an outstanding yacht, elegant, coherent and homogeneous one of the best sailing yacht catamaran. She is the perfect platform to enjoy a new way of sea-life.

S/Y RAFOLY is the result of very advanced naval architecture studies and researches. Extensive tank testing has been done at the Wolfson Unit of Southampton with development of new hull lines with remarkable results with speed prediction and sea capabilities. The structural calculation was done by finite element analysis to optimise weight and resistance with high security factor. Thanks to the powerful computer tools the design office has the ability to set down the basis of the concept and balance them according to the owner's wishes in all important design aspects:

- 3D modelling
- Naval architecture
- Finite element analysis and structure calculation
- Interior design

- Exterior styling
- System engineering
- Deck and sail plans

Blue Coast Yachts is the world leader in the domain of mega yacht sailing catamaran and has brought the quality standards of its yachts to the highest level.

BUILDING

S/Y **RAFOLY** is built by using Sealium light aluminum alloy in order to have the lightest and the strongest platform possible. Whole project is subdivided into minimum individual modules. Two full beam main bulkheads bond the two symmetrical hulls into a one-piece arrangement. All structure (bulkheads, frames, roof and floors) are carefully integrated with the interior. All the exterior structure receives fairing and finish with the Awlgrip system. The yacht was built in accordance with the rules of the Bureau Veritas (B.V) and she is MCA compliant.

EXTERIOR

The exterior styling of the yacht is the result of studies which combines many consideration like hydro & aerodynamic forces, performance, comfort, style, ergonomic, interior arrangement, safety and of course owner's wishes.

The aft exterior saloon is a large shaded terrace with an unobstructed view forward and aft. A unique sliding door integrates exterior settee with interior arrangement into a one great social gathering area. The terrace also features a big private lounge with all the needed comfort. The aft stairs of each hull gives direct access to the sea through a foldable swimming beach with stainless steel ladder.

The forward deck gives access to the net and the forward anchoring system. Also an access to the top of the house is provided in this area.

Access to the fly bridge is made from aft terrace by one comfortable stairs on starboard side of the yacht. The central helm station and hardware equipments are located forward with unique view for the ultimate control. Sunbathing areas are located on each side of the fly, a dining table with sofa allow the guests to enjoy remarkable "dinner with a view" and a comfortable spa is located in the middle of the sunbathing area.

All anchoring and running rigging are studied to be as "invisible" as possible.

INTERIOR

The interior furniture is built, to the highest standard of comfort and luxury using lightweight material and state of the art craftsmanship. Of course the internal space planning and the interior design are studied following the requirements of the owner. The yacht is fully equipped with high-end entertainment system included satellite TV with cinema system on a 50" flat screen TV in the main saloon and 32" flat screens in each of the four double cabins with personal DVD and i-pod dock station, audio and video on demand, high speed internet access, etc.

RIGGING

S/Y RAFOLY features a very simple sail plan with a full battened main sail and an automatic furling self-taking jib. The 230-m² main sail is equipped with slab-reefing. A storm sail can be hoist in case of very strong wind. The 300-m² Gennaker can be added to give an outstanding power in light air. A 35 meters carbon wing mast equips S/Y RAFOLY 92'. The high tech Kevlar standing rigging shows simplicity, lightweight, low drag and high efficiency. Mast and boom are studied in 3D using the finite elements analysis method. The styled carbon "canoe" boom has passages on the sides to make easier ship handling.

YACHT LAYOUT:

MAIN DECK ARRANGEMENT:

Forward main control and navigation area

Forward saloon with chart table and communication offering a 180° sea view

Central main saloon

Inside dining and T.V. lounge area with wine bar.

Outside dining and shaded lounge area

Outside bar with ice cubes maker

FLYBRIDGE:

Outside control and navigation area while sailing

Large sunbathing and relaxing area

6-pers Spa/ Jacuzzi

STBD HULL:

Engine room

Owner's cabin with en-suite bathroom

Two guest cabins, with en-suite bathroom

Forward storage

PORT HULL:

Engine room

Captain's cabin with bathroom

Galley and crew quarter

Crew cabin, with bathroom

One guest cabin with en-suite bathroom

Forward storage

GENERAL SPECIFICATION

Vessel Type:	Cruising Sailing Yacht Catamaran
Naval Architecture & Engineering:	Blubay by Blue Coast Yachts
Exterior Styling:	Blubay by Blue Coast Yachts
Interior Design:	Pierre Frutschi Design
Length LOA:	28.65m – 95'
Hull Length:	27.90m – 92'
Maximum Beam:	13.00m – 43'
Draft:	2.00m – 6.6'
Displacement:	83 T
Construction:	Aluminium “ Sealium ”
Paint System:	Awlgrip
Classification:	Bureau Veritas. / MCA

RIGGING/SAILS

All sails made by **Incidence**

Main Sail:	231m ² full battened Cuben fibbers
Jib:	148m ² hydraulic furled Cuben fibbers
Gennaker:	300m ² manual furled Cuben fibbers
Storm Jib:	35m ² manual furled Cuben fibbers
Boom:	Carbon fibber “Canoe” design
Mast:	35m wing mast, carbon fibber

DECK EQUIPMENT

Main Sail Sheet:	2 x Harken 990 STAH Hydraulic
Headsail Sheet:	2 x Harken 990 STAH Hydraulic
Gennaker Sheet:	2 x Harken 1130 STAH Hydraulic
Reef lines:	1 x Harken 990 STAH Hydraulic
Halyards:	2 x Harken 1110 STAH Hydraulic

PROPULSION

Main Engines:	2 x QSB 5.9 Cummins 350 bhp
Gearbox:	2 x ZF 220
Maximum speed under power:	13 knots
Range at Cruising Speed:	1300 Nm @ 10 knots
Propellers:	2 x Brunton Variprop four blades auto fathering
Bow thrusters:	2 x Max Power VIP250 retractable hydraulic
Steering Gear:	2 x Lecombe-Schmitt hydraulic steering system

AC POWER GENERATION

Generators:	2 x Onan 22.5 kW, 380V
Shore Connection:	2 x 380V, 50/60 Hz (US standards on demand)

TENDERS – TOYS

Tender	1 Valliant 5.8 m, 90hp Mercury
SeaBobs	2 SEABOB CAYAGO F7 5,2 kW
Snorkeling gears, Ski, Donuts & Wake Board	
Jacuzzi	

ANCHORING SYSTEM

Anchors:	1 x 150kg & 1 x 62kg
Anchor chain:	16 mm stud-link (150m)
Windlasses:	1 x MUIR 3500 vertical hydraulic
Docking Capstans:	2 x Maxwell 3000 vertical hydraulic

NAVIGATION

- 1 radar **Furuno** M 1834 AIS Simrad AI 80
- 1 **Brooks & Gatehouse** Hydra 2000 system with autopilot
- 2 GPS **Simrad** GM 33
- 1 system **Navnet** + **Maxsea** Electronic Charting System
- 1 BLU **ICOM** M 802
- 1 Navtex, **Mc Murdo** NAV 5+, receiver and antenna, GMDSS approved
- 1 VHF **Simrad RS 87** GMDSS approved portable SRH 250
- 2 VHF **Simrad** AXIS 50
- 1 gyro compass RGC 50
- 1 Fleet 55
- 1 reception TV **Navi System**
- 1 sounder **Furuno** 600 ETRFN

ON BOARD EQUIPMENT

Air conditioning:	CLD 164,000 BTU
Water Maker:	2 x Technicomar 150l/h

TANK CAPACITIES

Fuel Capacity:	6000 litres - 1585us/gal.
Fresh Water Capacity:	3000 litres - 792us/gal.
Grey Water Capacity:	1200 litres - 317us/gal.
Black Water Capacity:	1000 litres - 264us/gal