



Blubay 105' Cat

by Blubay Yachts

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rench allure and Gallic flair: a new catamaran from Blubay shows that - whether for racing or cruising - multihulls all over the world are currently speaking French.

French like the Yachts Industries company, an international leader in the larger sailing catamaran sector thanks to its two prestigious brands Blubay Yachts and Yapluca Yachts. Both brands are highly specialised in designing and building luxurious sailing catamarans for cruising. Yachts Industries has raised the bar for its yachts through these two brands, with rigorous specifications and innovative design and construction criteria. These are then put into practice in the yard's ultra-modern facilities in Caen, Normandy, on the north coast of France. Yachts Industries has now announced a new model in its Blubay Yachts catamaran range. The Blubay 105' is built entirely from a special light aluminium alloy, the highly advanced Sealium. It follows on the heels of the Blubay 95' and more recent Blubay 102', both of which were built from an advanced carbon-epoxy composite with corecell in Nomex and PVC. Blubay 105' was designed by the skilled design office of Yachts Industries. She is an exceptional new vessel: a fast, luxurious triple deck sail catamaran which offers a remarkably high standard of living on board. Blubay 105' has been specially designed for demanding ocean crossings and long-distance cruising.

Her features far exceed the current requirements expected of superyachts. At a glance one immediately notices the stylishness of this yacht, with her bold, strong character. Two streamlined hulls with high bows and tapered sterns, a fully glazed deck house and a flybridge that seems suspended in mid-air. ➤



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Her modern, elegant external styling fits in perfectly with her generously sized interiors. She is undoubtedly a refined, elegant and classy yacht designed for fast cruising with family and friends. She truly embodies the idea of living at one with the sea whilst enjoying the luxury and comforts of an extraordinary vessel. For Blubay 105' offers the comfort expected of a motor yacht, combined with the speed and sensations of a racing yacht. She performs fantastically, offering high speeds that make her suitable for considerably long cruises under challenging weather and sea conditions. This has been achieved through an overall concept of catamarans as sporty and yet easy to sail – both of which have always been defining characteristics of Blubay yachts.

The central platform has been designed to sit high above the water surface, so as to rise above the water level when the sea is choppy, and thus avoid any violent impact with the waves. Meanwhile, the long, narrow hulls allow the cat to move gently over the waves, even on rough seas. There is virtually no inclination on the side due to a listing angle of practically zero on the hulls, even when sailing upwind. The catamaran's incredible lateral stability therefore offers a comfort and travel experience superior to that of monohull boats. It allows truly comfortable cruising and anchorage, even in waters with considerable rolling. This yacht also ensures excellent handling and safety in all situations. Not to forget the total privacy and vast amounts of space available for the Owner and guests, resulting in considerable practical advantages for family as well as charter use.

A general overview

As with the other Blubay vessels, the new 105 ft was built in a climate- and temperature-controlled environment. As for standards and classification, her construction complies with the BV (Bureau Veritas) regulations. She also complies with the MCA (Maritime and Coastguard Agency) standards. The new Blubay 105' has an overall length of 107 feet, or nearly 33 metres. Both hulls are 105 ft (32 metres) long, while their length at the waterline is 96 feet, more than 29 metres. The yacht's total overall beam is 42.5 feet, or 13 metres. The overall width of the catamaran has been contained within reasonable proportions so as to reduce the structural strains generated by continuous stresses during sailing. This also allows her to enter and moor in most tourist ports. The yacht's displacement, calculated during the planning stage, is estimated at 76 tons when empty, and 100 tons fully loaded. The draught of the hulls, measured at the far end of the fixed skegs, is around six and a half feet, or nearly two metres. This shallow draught allows the vessel to anchor close to sandy beaches, and above all allows her to sail in shallow waters. These areas of the sea were previously inaccessible to sail yachts of this size, whether monohull or multihull. Blubay 105' is sloop-rigged and has a 37-metre mast made from high module carbon fibre, as is the boom. Both have been designed and rendered with 3D technology, using finished element analysis systems. The standing rigging is made from Kevlar and is simple to use, lightweight and highly efficient. Blubay 105' has a very simple and extremely practical sail plan. It consists of a roached, fully battened main sail and a self-tacking jib, furlled far forward on a hydraulically-powered furling system. In very strong winds the yacht can shorten sail or hoist a storm sail with a smaller surface area than the jib. While in light winds, together with the jib, a large gennaker can be unfurled so as to obtain considerable power, even in gentle breezes such as those typical of summer in the Mediterranean. ➤



▲ ▼ The flybridge



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The sail surface area is divided across four types of sails: a main sail of 258 square metres, the genoa-jib of 195 square metres, storm jib of 105 square metres, and gennaker of 330 square metres. As for the wheelhouse, it is positioned on the flybridge at the centre of the forward section, with a large-diameter wheel and a full set of tools for navigation and for directly controlling the sails. Blubay 105' is equipped with two reliable diesel engines, both with 355 horsepower. She is also fitted with two efficient diesel generators, each of 26 kilowatts. The yacht has two fuel tanks holding 3000 litres each, and two freshwater tanks, each of which holds 1500 litres. Two water-makers have been fitted for a constant supply of fresh water. Both of these have a constant output of 230 litres per hour. The new unit also has two 400-litre tanks for collecting greywater and two tanks of the same capacity for collecting blackwater. Blubay Yachts has built the new Blubay 105' catamaran using Sealium, a special light aluminium alloy. Its objective in doing so was to achieve a structure as light and strong as possible, perfected suited to conditions at sea.

The two main full-beam bulkheads are connected directly, thus turning the two symmetrical hulls into a single-body arrangement. All of the structures, whether bulkheads or framework, including the ceilings and floors, have been carefully integrated with the other internal elements. All the structures and surfaces are subjected to a painstaking procedure to prepare the base, finish the parts and give a final topcoat of paint, using the renowned Awlgrip system. Blubay Yachts breaks down the whole design and construction process into individual work modules, coordinating the work of each operational unit. Procedures with strict parameters are employed during the construction process. For example, the partial weights of each component, as well as the overall weight, are monitored constantly and compared with the weights allowed for by the project calculations.

Each single step is carefully organised. The yacht is therefore the outcome of advanced research into naval architecture. The hulls are put through strict tank tests to check and optimise their waterlines. This allowed the yard to develop solutions to fine-tune this catamaran, with positive effects on her speed and handling.

Blubay 105' is the result of a myriad of complex studies and considerations, including analyses of hydrodynamic and aerodynamic forces; performance and safety; ergonomics and functionality; style and comfort; the interior arrangement and layout of furnishings. All this of course bearing in mind the Owner's wishes in every aspect. He, his family and his guests on board this new catamaran Blubay 105' will be able to enjoy a vast aft deck with a large terrace that's partially shaded. It really is an alfresco living room, directly overlooking the water with all-round panoramic views. Automatic sliding glass doors smoothly connect the interiors with the areas on deck to form an unbroken stretch of reception area.

The covered, sheltered area of the terrace is like a large private living room. It is stunningly arranged with areas for conversation and relaxation. Naturally it has sofas and armchairs, side tables and chairs, a bar and all the comforts one could wish for. The open areas of the terrace are arranged as a vast space for sunbathing, alongside a multi-functional platform at the centre: a hydraulic mechanism lowers the platform to form what can only be described as a private beach, for diving and swimming in the sea. The platform can also be raised to form a surface at the same level as the deck, offering extra space for activities on deck while the yacht is moored, or for garaging the tender during cruising. There is also direct access down to the sea via



The stern views

the two staircases set into the transoms of the two hulls. The staircases can also be raised to offer access to the two lazarets below, which hold the jet skis and other toys. On the starboard side of the aft terrace a handy staircase leads up to the large flybridge. In the aft section there is a large area set aside for sunbathing. Here, guests can really relax with the Jacuzzi hot-tub.

This is flanked on the starboard side by an area with sun pads, and a fully equipped dining area on the port side. Guests cannot fail to be impressed by the serviced bar, and the freedom of movement made possible by this spacious terrace, with its panoramic surroundings.

Meanwhile, Blubay 105' offers interiors that are elegant and sumptuous while being functional and rationally-designed at the same time. Nothing has been left to chance on board this French yacht, whose designers have ensured that the twin criteria of comfort and practicality are both fully respected. Naturally, however, the Owner's input was crucial when it came to deciding upon the layout and outfitting of the interiors, including the furnishings and décor. Each detail was designed strictly in line with his wishes and requirements.

The Blubay yard then took care of making the furnishings, with top quality craftsmanship and years of experience behind it. Durable, lightweight materials were used. Comfort and luxury were key elements, and naturally the highest construction standards were applied. The interiors of the new Blubay 105' are wonderfully lit with natural light flooding through the large wraparound windows on the deck house, as well as through the windows in both hulls. This allows passengers to enjoy the colours and views of the seascape, even from inside the cabins.

The vessel has a 175,000 Btu air conditioning system. It also has a full set of multimedia home entertainment equipment. This includes flat-screen televisions and a home cinema, on-demand audio and video, and high-speed internet access.

Jacob Herzog

Blubay 105' Cat



| TECHNICAL SPECIFICATIONS | |
|----------------------------|--|
| LOA | 32.70 m / 107 ft |
| LOF | 32 m / 105 ft |
| LOW | 29.96 m / 96 ft |
| Overall beam | 13 m / 42.6 ft |
| Displacement | (light ship) 76 T (estimé) |
| Displacement (full loaded) | 100 T (estimé) |
| Draft | 2.00 m / 6.5 ft |
| Mast height | 37 m |
| Diesel engines | 2 x 355 hp |
| Fuel capacity | 2 x 3,000 L |
| Fresh water tank | 2 x 1,500 L |
| Black water tank | 2 x 400 L |
| Grey water tank | 2 x 400 L |
| Water makers | 2 x 230 L/h |
| Power | 1 x 1000 A 24 volts 1 x 400 A 24 volts |
| Generators | 380 Volt 2 x 26 kW |
| Air conditioning | 1 x 175,000 Btu |
| Homologation | BV classified – Engine room: black point – Hul maltese cross |
| Warranty | Hull + Structure: 10 years Equipment: 2 years |
| Main sail area | 258 m ² |
| Genoa area | 195 m ² |
| Storm jib | 105 m ² |
| Genaker | 330 m ² |
| Builder | Yachts Industries |