



Zaca® 115'

by Dutch Yacht Builders and Olivier F. Van Meer

Dutch Yacht Builders is a shipyard in the Netherlands, which strives for innovation and perfection. When it comes to quality the yard is uncompromising, having developed its own modern construction techniques for building custom sailing and motor yachts. Dutch Yacht Builders has large sheds with advanced equipment and employs experienced, highly specialised technical staff working under a dynamic corporate management system. Dutch Yacht Builders manages each build entirely in-house, carefully planning the design and construction phases: from the structural metal work to craftsmanship and systems installation, it always uses the finest materials and components. The yard has a true passion for what it does, combining the best design with the best construction, and it builds yachts that guarantee safety and satisfaction that will stand the test of time. Owners who choose Dutch Yacht Builders are making a lasting investment in something that will last them a lifetime if they wish.

The yard has attained this high level of customer satisfaction by working closely with internationally renowned designers with an excellent reputation. For example, the yard's current builds include two luxury metal motoryachts of 47 metres and 43.5 metres, both designed by the famous Dutch designer Cor D Rover. Another major partnership is the one that the yard has developed over the years with the captain and naval architect Olivier F van Meer, who was born and raised on board a traditional gaff-schooner. On it, Van Meer has covered an overall distance of some 110 thousand nautical miles, covering the sea routes of Northern Europe. The captain's practical experience and professional expertise as a naval architect has led him to carry out around 800 projects over the past 25 years, for both sailing and motor vessels, measuring between 10 and 110 metres. ➤



Zaca 115'

In the sequence of render images, hauling the main tender aboard. Regarding the launching and hauling of the main tender, the new Zaca 115' features a particular system, developed and realized directly by the Dutch shipyard Dutch Yacht Builders: first the tender is dragged onto the internal floor of the hydraulic hatch that, when raised, slips it inside the garage.



With his 15-strong team of specialists, Olivier F van Meer's work ranges across all sectors of shipbuilding, from naval architecture to technical engineering, from exterior design to interior design, whether for new builds or refits and upgrades. He is also frequently hired for building supervision and project management work as well as marine consulting and owners' representation. Olivier F van Meer recently developed an exclusive project for a series of sailing yachts for Dutch Yacht Builders. The series is geared up for an international market and is bound to arouse much interest from potential owners. The new range is named Zaca Yachts, and current comprises five models between 50 and 96 feet, as well as three models of 100, 110 and 115 feet. There are also plans to expand the range in future, with lengths of up to 140 ft. There's a rather special, intriguing story behind the concept for Zaca Yachts. Back in 1993, Oliver F van Meer was asked to design a 38-metre sailing yacht with classic schooner lines, inspired by the legendary Zaca, the ship owned by the great actor Errol Flynn. Zaca was a majestic schooner that starred in the numerous seafaring adventure movies that Flynn made in the course of his career. Aside from the basic theme, the designer was given a substantial amount of freedom and, as someone who was born on board a classic sailing yacht and is totally at home on the water, this latest challenge was particularly close to his heart. The result was a remarkable, unique yacht that was given the poetic name "Zaca a te Moana", which means "Peace of the Sea" in Polynesian. Compared to usual standards, the size and sail ratio of this yacht made it a true "sailing machine", for specialists. Her features included, for example, a 22-metre boom, a 270-square-metre mainsail and a draught of 4.5 metres. Even before she set off on her world cruise, many yachtsmen had raved about the technical and aesthetic qualities of the new vessel. These influential opinions convinced Olivier F van Meer not to leave her as a standalone creation. He was therefore inspired to come up with a new project that would be accessible to a wider range of sailing enthusiasts. And so Zaca a te Moana became the direct source of inspiration for the Zaca Yachts series, which includes the new Zaca 115' which is currently under construction.

The main dimensional and technical data

Based on naval architecture and engineering by the Dutch firm Olivier F van Meer Design, Zaca 115' is being built fully in-house by Dutch Yacht Builders. The yard is using aluminium alloy for her hull and superstructure, and the new yacht will be compliant with Lloyd's Register of Shipping and Maritime and Coastguard Agency regulations. The new Zaca 115' is a classical ketch with a round bilge hull form, continuous keel with centreboard, spoon bow and heart-shaped stern with tumble home; the keel is double plated, NACA profiled, with an electrically operated lifting centreboard and a manual back up; the rudder is skeg hinged and well protected, double plated, NACA profiled and hydraulically steered. As for her dimensions, the Zaca 115' has a length overall at the bowsprit of nearly 136.5 feet (more than 41.5 m), while the length overall of the hull is nearly 116.5 ft (more than 35 m) with a length at waterline of nearly 88.5 ft (nearly 27 m). The maximum beam of the hull is nearly 25 feet (more than 7.5 m). Zaca 115' has a variable draught: when her centreboard is lifted the minimum draught is 9 ft (2.75 m), while when it is lowered the maximum draught is 18.5 ft (5.69 metres). The yacht's displacement when fully loaded is 140 tons (309,050 pounds), while the internal ballast is 35 tons (77,262 pounds). Zaca 115' is ketch-rigged with a Bermudan-style sail plan, with the mainmast



standing 126 feet (44.5 m) above the waterline. The main mast has three sets of spreaders while the mizzenmast has two sets: both of Zaca 115's masts and their booms are made in aluminium, by Nirvana. All of the yacht's sails are by MF de Vries. The sail area when close hauled is 2,670 square feet, (814 sq. m) while the broad reach sail area is 5,325 sq. ft (1623 sq. m), including a mizzen gennaker of 1,112 sq. ft (339 sq. m) and a main gennaker of 1,558 sq. ft (475 sq. m). Zaca 115' has standing rigging by Dyform and the technical outfittings on deck include stainless steel Lewmar winches. The engine room on board Zaca 115' will be fitted with a main engine and two generator engines. The former is a Volvo Penta diesel engine, combined with a Twin Disc gearbox and connected through a straight-shaft transmission to the Varifold propulsion propeller. The two generator sets will be based on Onan diesel generators with a main generator and an auxiliary one. Fuel tanks in the hold will be able to carry 7 thousand litres of fuel (1,852 US gallons), as well as a 500-litre reserve in the day tank (132 US gallons). The yacht's technical equipment will include a Lewmar tunnel bowthruster and two Maxwell anchor winches. The side-boarding ladder platform and the stern-boarding tender garage platform on board the yacht were both developed and made directly by Dutch Yacht Builders. The garage hatch is one component of the remarkable system designed by the yard for hauling and launching the main tender: first it is hauled onto the inner surface of the lowering hydraulic hatch, which then raises to take it inside the garage. The garage will house the main tender, a 15-ft (4.6 m) hard-bottom dinghy with an inboard engine and hydrojet propulsion. Meanwhile the service tender will be suspended off the transom, and will be a 12-foot dinghy (3.6 m) with an outboard engine and propeller propulsion.

A general overview of the new sailing yacht

From the legend of Errol Flynn's Zaca, to the magnificent experience of Zaca a te Moana in 1993; and now, in the wake of that experience, the birth of the Zaca 115', with the masterful design concept by Olivier F van Meer impeccably executed by Dutch Yacht Builders. ➤

Although built entirely in aluminium, at first sight the yacht faithfully reflects the splendour of marvellous period schooners: a sleek hull with a bowsprit and a generously rigged sail plan. The Zaca 115' will be ketch rigged with a sail plan in the Bermudan style, offering the wind the extensive sail area of the main mast and the mizzen mast.

Zaca 115'

The ongoing technical development of the Zaca Yachts series, which is constantly being improved by the designers and yard alike, means that the new yacht Zaca 115' has not just been designed for pure sailing enthusiasts; she will also delight anyone who has no intention of regretfully abandoning their boat when it gets old, merely because it is out of step with contemporary fashion. The fact is, the magical seduction and sheer grace of a classical schooner will never go out of style. At first glance, the impressive exterior design by Olivier F van Meer, beautifully created by Dutch Yacht Builders, faithfully reflects the splendour of her predecessors, with her dynamic hull and ample rigging, with two masts and a bowsprit. The new Zaca 115' will therefore take to the water as an enchanting sailing yacht that will bewitch onlookers, evoking all the magic of period vessels, although her dimensions are much smaller than those of the schooners of the past. While she echoes the classic, aristocratic grandeur of her predecessors, she has deliberately been made much smaller, for the purposes of practicality. Moreover, for technical and functional reasons the designers have simplified the rigging to make boat handling much easier – when under sail the yacht will be able to be steered and handled directly from the wheelhouse cockpit. High-precision technical design means that the Zaca 115' will be able to reawaken the thrill of sailing and impress her Owners with her considerable talents, while guaranteeing seaworthiness and safety at sea. It thus follows that she is designed to be anything but a display yacht; she is bound to attract interest from connoisseurs and amateurs alike, who will be duly impressed by her balanced combination of old-world charm and efficient modern technology. One example of this is the use of a variable draught system with a lifting centreboard, developed and tested by Olivier F van Meer; this allows her to sail even close to the coast and in shallow waters, something that would otherwise be difficult or even impossible for yachts of these dimensions with a fixed centreboard. The Zaca 115' will be able to show off her excellent sailing qualities on long, challenging crossings, but she will also be ideal for short excursions and day trips; indeed, she has been especially designed with everything it takes to satisfy the needs of both professional sailors and active sports yachtsmen, as well as those who simply want peace and quiet. Namely, sailing enthusiasts who prefer tranquil coastal cruises or sailing in shallow or inland waters rather than long ocean crossings, not to mention those who want to feel fully at home on board their yacht, spending time with family or friends in the comfortable, spacious interiors of the new Zaca 115'. With superb interior design by Olivier F van Meer, beautifully finished by Dutch Yacht Builders, the yacht is guaranteed to offer her Owner and guests a truly pleasant stay; indeed, one of the main design objectives was to create a balanced harmony between the passengers and their environment. This has been achieved to the full through a carefully achieved equilibrium of aesthetics and technological requirements which manages to balance formal beauty with rational functionality. While the interior furnishings are classic and understated, reflecting the image of the yacht's exterior styling, Zaca 115' will have the latest systems and features so as to offer both passengers and crew members a modern level of comfort. When designing the interiors, great care was taken to create bright, airy spaces with much more living space available than in the oppressive, cramped interiors often found on similar vessels. Zaca 115's interiors will be comfortable and perfectly liveable in any situation, with furnishings that recall the beauty of traditional design, featuring warm, classic wood throughout.

Magda Wagner



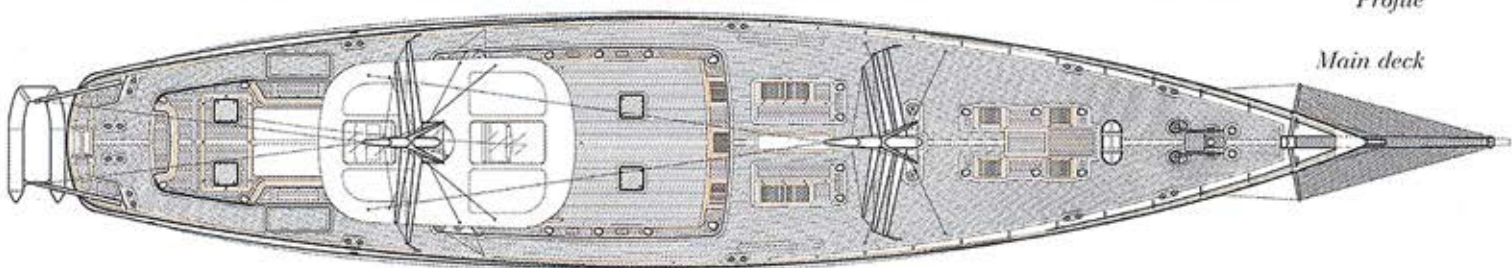
A well-balanced combination of the fascinating beauty of yesteryear and efficient modern technology; the Zaca 115' also has a variable draught system with a lifting drop keel; developed and tested by the designer Olivier F van Meer, this setup makes easy work of sailing even in shallow inshore waters, inaccessible for ships of similar size but with drop keels and fixed draughts.

Zaca 115'

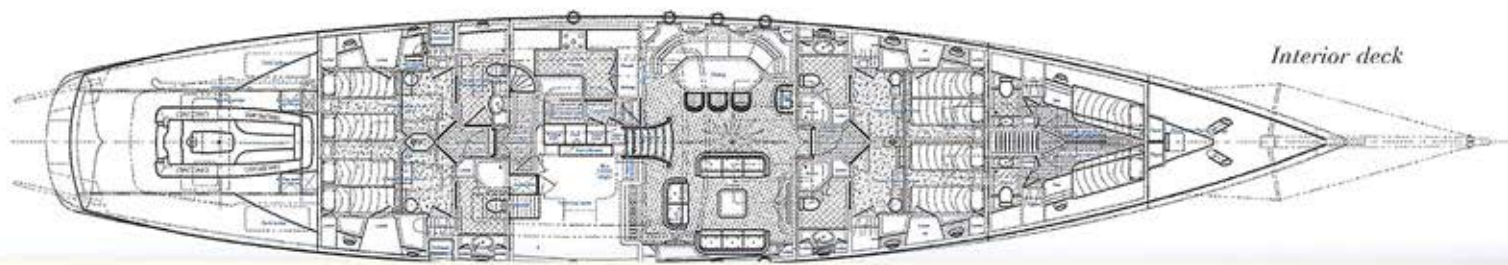
TECHNICAL SPECIFICATIONS	
Type	Zaca® 115', aluminium centreboard ketch
Construction	Full aluminium hull & superstructure
Classification	Lloyds Register Hull Built Certificate + MCA
Hull form	Round bilge, continuous keel with centerboard, spoon bow and heartshaped stern with tumble home
Keel	Double plated, NACA profiled, electric operated centerboard with manual back-up
Rudder	Skeg hinged (well protected), double plated, NACA profiled, hydraulic steered
LOA	136 ft / 41.54 m
LOD	116 ft / 35.32 m
Waterline length	88 ft / 26.92 m
Beam max.	245 ft / 7.60 m
Draft	9 ft / 2.75 m (board up) - 19 ft / 5.69 m (board down)
Ballast	35 ton internal
Displacement 100%	140 tons
Berths	12 fixed berths
Fresh water	2 x 1,000 l / 219.969 USGallons
Fuel	7000 l / 1,849.204 USGallons + 500 l / 1,320.86 USGallons day tank
Holding tank	1 x 1000 l / 219.969 USGallons
Engine	Volvo Penta D12 MH, 331 kW (450 pk), 6 cylinder, 1800 rpm
Gearbox	TwinDisc
Propellor	Varifold
Bowthruster	Lewmar, hydraulic 50 kW
Anhorwinches	2 x Maxwell, hydraulic
Rigging	Bermuda ketch
Masts & booms	Aluminium, Nirvana
Standing rigging	Dyform
Winches	Lewmar, stainless steel
Sails	M.F. de Vries
Sail area clause hauled	814 m ²
Sail area broad reach	1.623 m ² (Incl. Mizzen genaker 339 m ² + Main genaker 475 m)
Air draft	44.50 m
Sideboarding platform	DYB Hydraulic
Tender garage	DYB Hydraulic
Watermaker	2 x Schenker
Generators	1 x Onan 45 kW, 1 x Onan 20 kW
Design & Styling	Olivier F. Van Meer
Interior Design	Olivier F. Van Meer
Naval Architect & Engineer	Olivier F. Van Meer
Builder	Dutch Yacht Builders



Profile



Main deck



Interior deck