

OMEGA 46

Design: Ron Holland



Designer comments:

"The Omega 46 presents a refreshing new boat to experienced yachtsmen who appreciate aesthetically pleasing lines and dazzling sailing performance."

A fast yacht for short handed sailing.

The design of the Omega 46 is the result of many years of feedback from previous Omega owners as well as other experienced long-distance sailors. Their views and suggestions have created a platform from which the new



Omega 46 has been developed. This has created a design brief for a yacht with a classic timeless lines, relatively low freeboards, positive stern, low cabin profile, and a traditional sheerline and bow profile.

Omega 46 is a yacht capable of crossing the ocean and to live aboard for longer periods with a very high level of comfort.

All the stages in the production of the Omega 46 are equally important when it comes to quality, from the first sketches to the finished, moored yacht. One of the most important aspects of quality is the design. The creative and experienced designer Ron Holland is world famous for his work in designing sailboats from 20 to 200 feet. He contributes with his extensive knowledge earned from designing and sailing many hundreds of racing and cruising yachts, as well as recent personal experience cruising in the Pacific Ocean.

The design team, together with the structural experts from High Modulus – acknowledged as the leaders in marine composite construction systems - has all used the latest in computer technology resulting in extreme accuracy and precision.

Safety at sea is a combination of design, structural strength, proper installations, and

the best materials combined with products and equipment from the most reputable suppliers in the world.

All this together with excellent stability and exceptional directional control makes the Omega 46 a safe and simple boat to sail. The crew can concentrate on their task instead of worrying about the boat.

Constructing an Omega 46 to the demanding specification requires a high level of skill. That is why we have chosen to build the Omega 46 in the heart of the west coast of Sweden where boat building is a several hundred years old tradition and where many of the finest composite production boats in the world are built today.

Omega 46 is designed to be sailed by only one person with safety and comfort in all kinds of weather. The old saying : "One hand for the boat and one hand for yourself" has been the very important during the development of this boat. The deck is clean and easy to work. The helmsman reaches the



winches and can easily handle the most important control like sheets, reefing and main halyard. One of the four winches is electrical powered in order to assist with the heavy tasks.

Most of the earlier Omegas models are famous for their large cockpits. Omega 46 has our largest cockpit yet and it is possible to stretch out for a rest on the benches in front of the steering wheel.

The Omega range has been promoted in all the large sailing markets of the world with over a thousand yachts afloat today.



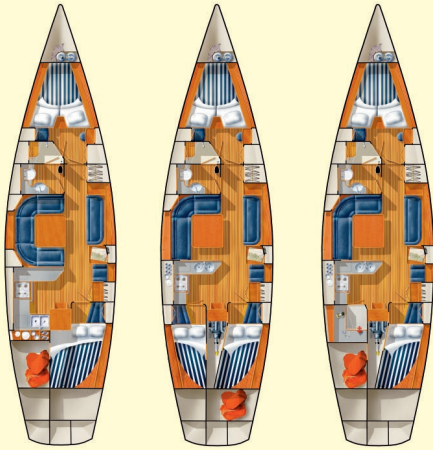
A large and clean aft deck area offers also an integrated combination of stair gangway and swimming platform (optional feature)



New mix of traditional and innovative yacht styling.

The interior of the Omega 46 is a well-balanced mix of traditional yacht styling and innovative thinking, presenting many effective and practical solutions..

Omega 46 - optional interior layouts: twin aft cabins or twin toilets. Standard interior with single aft cabin and single toilet is shown in this brochure.



Navigation compartment is located on starboard. Chart table and generous space for individual instrumentation layout.



The large toilet compartment (over 90 cm width) is located next to the owners cabin and is easily accessible from both the saloon and from owners cabin. Shower area is separated from the toilet.



The galley has been arranged as a "gourmet kitchen" with generous work surfaces.

"Dazzling performance"



Ron Holland already in 1980 designed the Omega 34 which was followed up by the Omega 30 and the Omega 36. Ron Hollan experience has been a guideline in the quality specification of the new Omega 46. Omega 46 represent the skill in combining a well balanced and elegant yacht for short handed sailing.

Designer comments:

"The Omega 46 presents a refreshing new product to experienced yachtsmen who appreciate aesthetically pleasing lines and dazzling sailing performance.

The design and tooling for the Omega 46 utilised computer aided design and manufacturing systems specifically aimed at achieving competitive pricing for this new, high quality craft.

This yacht had to be a delight to sail and I have created a hull lines plan that will be easily driven in light winds yet be exceptionally capable in any rough water conditions.

The sail plan concept is based on my personal sailing experience, featuring a self tacking headsail that is now a standard feature on all my designs. This follows high aspect ratio proportions that ensure optimum sailing performance with a moderate sail area to displacement ratio.

The design of the keel and rudder is an influence on both sailing performance and the way the yacht will comfortably handle at sea.

The cockpit is large and ergonomic, the winches located close to the wheel to be used for shorthanded sailing. Main halyard, sheets and the first reef will be handled from these winches with one of them powered. The most important functions can be handled by one person and on deck safety will be above average.

The interior will be generous and light with an atmosphere of comfort and dashes of luxury.

The Omega 46 presents a product with a new approach to the present production yacht market. In terms of beauty, performance and value for money, this is the yacht I personally wish to own."

SPECIFICATION

Metric	US
Loa: 14,2 m	46,55 ft
Lwl: 11,1m	36,49 ft
Beam: 3,60 m	11,81 ft
Bwl: 3,3 m	10,83 ft
Draft: 1,75 m	5,74 ft
Displ: 11.300 kb	24.900 lbs
Ballast: 4.500 kg	9.900 lbs
Main+jib: 96 m ²	1.034 sq.ft
Water 1: 170 liter	44 gallons
Water 2: 300 liter	79 gallons
Fuel: 270 liter	53 gallons
Toilet tank: 100 liter	26 gallons
MAX. RM: 7.655 kg/m.RM@30°: 6.100 kg /m.RM@ 1°:	
260 kg/m.Engine: Yanmar 4-cyl. 56 hk.Grp skeg with shaft and folding prop.	



DET NORSKE VERITAS

Certifiering. Typgodkännande Category A-Ocean utfärdas av Det Norske Veritas som även kan ställa ut ett individuellt båtcertifikat på varje enskild båt.

we are the first serie production

boatyard who has developed a balanced composite rudder incorporating a carbonfibre rudderstock. Normal weight of a rudder of this size is more than 100 kg-this is about 20 kg !



The Omega 46 satisfy the feeling of sailing a big ocean going yacht with exceptionally good manoeuvrability and at the same time the experience of easy boat handling with the need of just a few crew members

TechnoYachts AB, Ulseröd, S-453 91 Lysekil, Sweden • Sales: +46(0)31 707 86 86.
 Fax: +46(0)523 140 77 • e-mail: omega46@technoyachts.com • www.technoyachts.com

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