



LONG DISTANCE CRUISING
70
SUPERDISPLACEMENT® HULL
HYBRID AND SOLAR

OCEAN CLASS 70 HYBRID
THE FUTURE IS NOW.

WWW.GREENLINEHYBRID.COM

Builder: **SEAWAY**, Zapuže 10a, 4275 Begunje, Slovenia, Tel: + 386 40 671 000
info@greenlinehybrid.com

Disclaimer: This document has no contractual value. Seaway reserves the right to change specifications, dimensions, data and design features.
The data presented in this document is based on computer simulations and is preliminary and for information only.
Description and photos may contain and/or show optional equipment.



Ocean Class

± HYBRID

OCEAN CLASS 70 HYBRID design is based on the extensive R&D work conducted by the world's largest boat design, engineering and tooling company Seaway between the years of 2007 and 2010 in the Greenline project. The goal was the development of new, energy-saving yachts with a much higher level of comfort during extended cruising. This was enabled by innovation in three areas:

- a new, protected Superdisplacement hull geometry was developed, which offers reduced resistance at speeds of up to twice hull speed (22 knots in the case of the Ocean Class 70). This translates to unmatched fuel consumption efficiency and a range of up to 2000 nautical miles in diesel drive mode. At the same time this hull shape opens the use of hybrid diesel/electric propulsion due to low energy consumption. A Superdisplacement hull also offers better handling and sea-keeping performance. The optional zero-speed hydraulic stabilizers drastically reduce any motion of the yacht, under way or at anchor and add tremendous comfort to the owner and their crew.
- a new building technology was developed using a closed-mold vacuum infusion technique and aerospace standard chemical bonding techniques. The materials used are epoxy-based vinylester resin and quadraxial fibers in order to achieve a 50% fibre content in the laminates. In this way we achieved to build a yacht which is lighter, stronger and built with the same respect for the environment and building personnel as the owner during her use.
- a new protected hybrid (diesel/electric) technology was developed to make sailing without exhaust fumes, noise or waves possible. Therefore the yacht protects the environment – and yourself – and drastically reduces the amount of fossil fuel burnt during boating season. The connected Lithium-technology based battery array not only enables the yacht to sail up to 40 nm on electric power but also gives unmatched comfort during the night when air conditioning and other A/C appliances can run without the use of the diesel engine or generator. The solar roof on the optional T-top covering the flybridge supports the battery array at all times when daylight is present.

The Ocean Class 70 with her superb handling, safety, seaworthiness and homely comforts will make your long-lasting cruises a pleasure. Her quiet and comfortable ride will take you to the world's most beautiful cruising grounds – while preserving these areas for future generations and paying them, and the rest of the boating community, respect.





THE ABILITY TO SAIL WITHOUT EMISSIONS OF EXHAUST FUMES, IN SILENCE AND CREATING ONLY A NEGLIGIBLE WAKE BRINGS A NEW LEVEL OF WELLBEING WHILE TRAVELING THE SEAS - IN FULL RESPECT OF THE ENVIRONMENT AND THE BOATERS AROUND YOU.



THE OCEAN CLASS 70 HYBRID
WILL TAKE YOU TO YOUR
BELOVED DESTINATIONS IN
COMFORT AND UNMATCHED
LEVEL OF QUIETNESS AND LACK
OF UNPLEASANT MOTION.
IN A CREWED YACHT THIS WILL
OFFER YOU THE POSSIBILITY
TO DO LONG OVERNIGHT TRIPS
TO YOUR UNDISCOVERED
ISLANDS WHILE YOU ENJOY
AN UNDISTURBED REST.
ANCHORED IN A BAY YOU
WILL BE ABLE TO SPEND
THE NIGHT WITHOUT HAVING
TO RUN THE GENERATORS -
IN PERFECT SILENCE.







THE ENERGY SAVING HULL, SUPERIOR BUILD TECHNOLOGY GIVES A LIGHT AND STRONG YACHT AND THE HYBRID/SOLAR SYSTEM BRINGS A NEW LEVEL OF FUEL EFFICIENCY AND A VERY GENEROUS RANGE OF UP TO 2000 NM.

PRELIMINARY STANDARD DIMENSIONS:

Hull construction length	21,62 m
Length of water line	19,56 m
Hull Super displacement geometry with a protective keel	
Beam max	5,93 m
Draft at full load with std engines	1,46 m
Displacement empty	42 T (Approximate)
Displacement full load	51 T (Approximate)
Fuel capacity	7000 l
Fresh water capacity	1500 l
Std. Engine HP	2 x 800 HP
Std. drives	straight shaft
Maximum speed at 1/3 load	21 knots (Std.engine)
Cruising speed at 1/3 load	17 knots (Std.engine)
Generator	16 kW 50 Hz
Cabins	3 or 4
Bathrooms	3 or 4
Crew cabins	1 or 2
CE Category	A
Design	J&J Design
Styling and interior	Rhodes Young
Builder	Seaway

ABOUT THE BUILDER:

Seaway, based in Slovenia and Italy (www.seawaygroup.eu), is the world's leading boat design and development company. The company, which employs a unique 250-strong team of talented engineers and boat builders from many different countries, has combined the power of an extensive range of the most up-to-date 3D design, engineering, CAD/CAM, 5-axis milling and boatbuilding software and hardware available with unmatched craftsmanship and a long tradition in manufacturing yachts.

Seaway is the world's largest builder of carbon sailing yachts and, beside Green-line/Ocean Class Hybrids, owns and builds the Shipman (www.shipman.dk) and Skagen (www.skagenyachts.com) yachts.

