

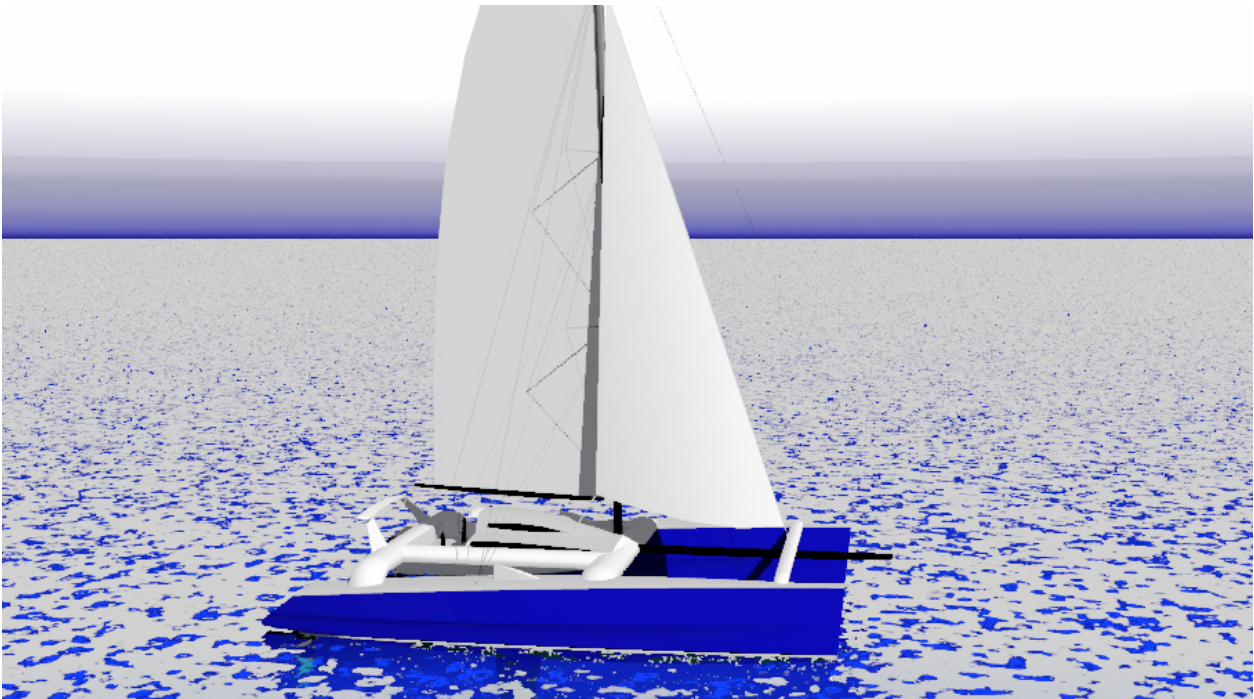
Bowdidge Marine Designs

The path to your dreams, may take you places you've never imagined

OCEANSKY 57

Design No. 21

57' Ocean racing / cruising catamaran

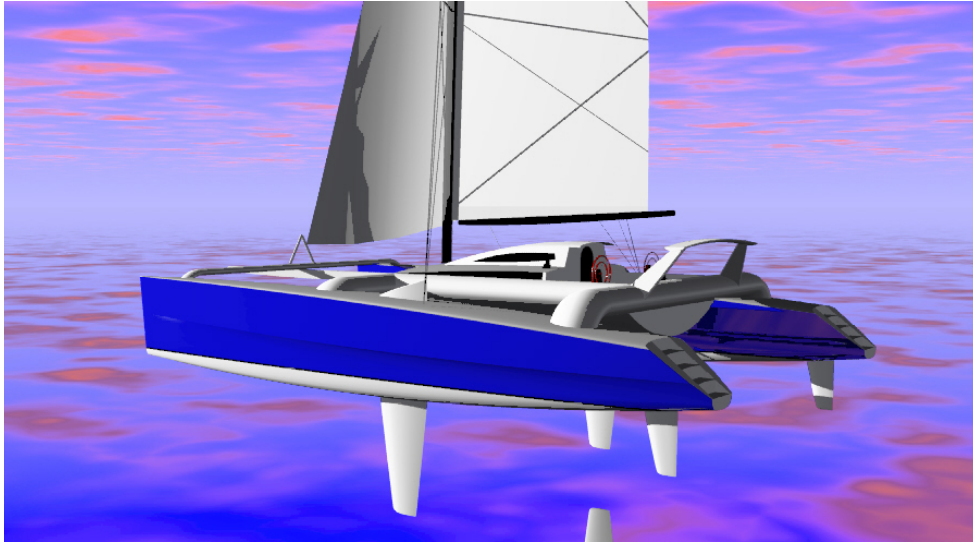


Mark Bowdidge (ARINA). 1252 Moorlands Rd. Moorland. 4670. Qld. Australia.

Phone: (07) 4156 1708 Email: m_dbowdidge@bigpond.com

© Copyright information, all rights reserved

Bowdidge Marine design



GENERAL

The OCEANSKY 57 is a high performance sailing catamaran, incorporating a total new approach. Its principle function is a pleasure yacht capable of fast ocean passages and ocean racing.

This Design focuses on the comfort and safety of a cruising yacht, yet with the speed potential of line honours in major yacht races.

Based on solid design principles ,the OCEANSKY 57 in race mode, must be able to withstand the loads of charging to windward or a reach, across the wave tops at 19 knots plus. Or, one can simply throttle off, get into cruise mode and enjoy relaxing with family and friends in relative luxury, either on the cockpit lounge or, just lay about on the front or side trampolines watching the miles click by.

Either way, it doesn't matter. The OceanSky 57, with its distinctive style and form, produces a boat with an aggressive stance and form evoking images of speed.

STYLING AND ERGONOMICS

The centrally located cockpit and accommodations incorporate rolled edged furniture and features, giving a sense of space and easy living. With full size berths, galley, shower, toilet facilities and saloon to cater for the family's needs, the OCEANSKY 57 provides family and overall crew efficiency and comfort required for the long ocean passages.

The hulls, although providing the necessary water and fuel storage, also provide long term storage compartments for consumables such as food for the long ocean voyaging, which is considerable for this style of vessel.

Mark Bowdidge (ARINA). 1252 Moorlands Rd. Moorland. 4670. Qld. Australia.

Phone: (07) 4156 1708 Email: m_bowdidge@bigpond.com

© Copyright information, all rights reserved
Bowdidge Marine design

SAFETY

Fatigue can become an issue in long ocean passages or racing, so safety at sea relies on efficient crew work and environment. The fluid lines and distinctive styling of the OCEANSKY 57, complemented by the uncluttered wide flat decks and a clean rig and deck hardware results in easy boat handling in all types of sea conditions.

Also with the wide separation of the slender hulls and high shoulders of the crossbeams, it allows for greater stability and performance, minimising wave impact on the cross structure resulting in greater day runs in ease.

Overall, the hull shape and accommodation layout has been designed to minimise crew fatigue and motion sickness. The cockpit provides a safe environment to operate the boat and allows access to and from the accommodation quarters. In the event of damage at sea, multiple watertight compartments ensure that the vessel will not sink, providing a safe platform and, doubling as a safety capsule.

The OCEANSKY 57 captures a new world class of yacht that will appeal to clients in the ocean cruiser or racer market.

INOVATIVE FEATURES

☞ STRUCTURAL ARRANGEMENT

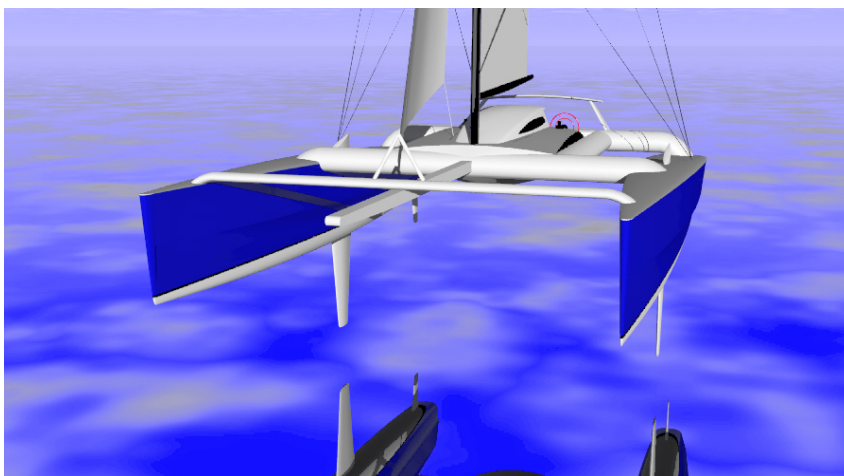
The new concept in structural layout results in a lighter, stiffer, and more aerodynamic structure.

☞ HULL SHAPE:

The hull incorporates a knuckle above the waterline for improved handling at sea, increased buoyancy and dryer boat.

☞ BEAM and POD DESIGN:

In the event of inversion, the beams and pod are designed to support the weight of the boat allowing the pod to double as a safety capsule.



<u>Specification Sheet:</u>

General

Displacement	16,640 lbs
Volume	260 ft ³
LCB, aft of station 0	27.86 ft
LCB as a % of DWL aft of station 0	53 %
D/L ratio	50.82
Cp	.582
Cb	.439
Midship area per hull	4.23 ft ²
Cm	.755
Waterplane area per hull	281.32 ft ²
Cwp per hull	.727
LCF aft of station 0	30.21 ft
LCF as a % aft of station 0	57 %
PPI (Pounds Per Inch immersion Overall)	1501.4 lbs
MT1 (Moment to change Trim 1 inch)	4584.7 lbs
LOA	57 ft 4 in
DWL	52 ft 6 in
BOA	34 ft 5 in
BWL (per hull)	3 ft 8 in
Draft (Fairbody draft)	1 ft 6 in
Draft (Daggerboards down)	10 ft
Length/ beam ratio	14.35
Total Sail Area	1505 sq ft
Sail Area (100% Foretriangle)	513 sq ft
Sail Area (Main)	992 sq ft
SA/Ws ratio	3.67
Bruce Number	1.52
Real Performance Index	1.58
Stability Number	1.04
Stability Factor	19.2 kts
Calculated Top Speed	19.58 kts +
Speed/Length ratio	2.68
Expected Cruise Speed minimum	12 kts
Speed/length ratio	1.7

Mark Bowdidge (ARINA). 1252 Moorlands Rd. Moorland. 4670. Qld. Australia.

Phone: (07) 4156 1708 Email: m_dbowdidge@bigpond.com

© Copyright information, all rights reserved

Bowdidge Marine design

CONSTRUCTION

The OCEANSKY 57 is designed in both exotic and traditional composite materials. The vessel shape and design is aimed at high performance. Laminating, fairing and workmanship in general, must be of the highest quality to ensure the product performs as required.

SPECIFICATIONS and BUILDING NOTES

As with all BOWDIDGE MARINE DESIGNS, the plans include complete written specifications and building notes, giving a breakdown of all main structural components of the vessel, with materials, dimensions and specific information on construction.

BACK UP SERVICE

This is considered by the designer to be an essential part of the service. Along with the extremely comprehensive material provided in the plans, the designer will always answer reasonable queries on the construction process at no additional cost. I am always just a phone call or Email away.

Mark Bowdidge (ARINA). 1252 Moorlands Rd. Moorland. 4670. Qld. Australia.

Phone: (07) 4156 1708 Email: m_dbowdidge@bigpond.com

© Copyright information, all rights reserved

Bowdidge Marine design