

FARR[®]X2



Provisional Standard Specification

Updated Edition 24/08/23

FARR
YACHT SALES AUSTRALASIA

Sea Ventures
RACE YACHTS

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Standard Specification

| | |
|-------------------------|------------------------|
| Length Hull: | 9.20m/30'1" |
| LOA: | 10.80m/35'4" |
| Beam: | 3.20m/10'6" |
| Draft: | 2.05m/6'8" |
| Displacement: | 2,450kg/5,400lbs |
| Ballast: | 1000kg/2,205lbs |
| Water Ballast: | 250L |
| Hull/Deck Construction: | Vinyl ester / PVC Core |
| ISO Category: | A-4, B-6 |
| Motor: | Volvo Penta D1 – 13 |

Rig and Sail Specifications

| | |
|-----------------------|---------------------|
| I: | 11.95m |
| J: | 4.01m |
| P: | 12.20m |
| E: | 4.10m |
| ISP: | 13.65m |
| STL: | 5.46m |
| Headsail Area: | 25.9m ² |
| Mainsail Area: | 33.8m ² |
| Asymmetric Spinnaker: | 102.0m ² |
| Code O Area: | 41.4m ² |

- Sail area subject to final sail design and rating placement

Design

Farr Yacht Design, USA.

Engineering

Ellis Engineered, AUS.

Builders

Nelo, Portugal

Sales and Marketing

Sea Ventures, UK

1. General

This specification as dated is deemed to be the latest version and succeeds all previous versions. This specification is to be read in conjunction with the sail plan, deck drawings and interior layout provided by Farr Yacht Design and Ellis Engineered. All rights are reserved.

1.1 Documentation

Builder's Certificate

A Builder's Certificate is to be supplied with final payment according to the signed sale contract that has been received by the customer. The build certificate ensures all parties are aware that the specific hull number related to that specific certificate is built to the requirements of the designer and engineer.

Bill of Sale

A Bill of Sale is supplied when full payment, according to sale contract, has been received. The Bill of Sale verifies that there are no liens on the yacht.

Certificate of Delivery

A Certificate of Delivery is to be signed by both parties at the time of the acceptance.

The Certificate of Delivery signifies the formal transfer of ownership and simultaneously commences the warranty period at the given date.

Warranty

The warranty period for the yacht is 1 year from the date of delivery.

The builder will supply all necessary warranty information in relation to the boat.

SVUK will supply manufacturer documentation and/or manuals.

Warranty may be voided if the yacht is used outside of the User Manual and instructions.

All parts installed on the yacht that are provided by external suppliers are subject to the warranty specifications of the supplier.

1.2 Construction Approval

ISO Standard Cat A - 4 /Cat B - 6 certification.

World Sailing Certificate of Structural Plan Review

Builders Certificate.

Certificate of origin.

Certificate of Delivery.

Stability index document.

1.3 Hull identification

The model and hull number will be shown on the Builder's Plaque and the HIN code on the hull.

1.4 After sales service

Farr X2 ambassadors and dealers will provide online and/or in person technical support.

2. Hull

2.1 General

The hull design, engineering, and workmanship throughout are consistent with the construction of a light hull, without compromising strength or stiffness as per the ISO Standard requirements.

2.2 Laminate

2.2.1 General

Hull/deck joint is bonded with structural adhesive with internal taping. Critical load areas reinforced with unidirectional reinforcement are used in structural components such as the keel grid and some specific bulkheads.

2.2.2 Lay up

Infused glass-foam sandwich Vinyl Ester lamination process.
Sandwich construction with PVC foam core.

2.3 Structure

2.3.1 General

The construction of the hull structure components, including the keel box, is of Infused Glass Reinforced Vinyl ester, with specifically designed unidirectional reinforcements.

These components are manufactured separately within specific tooling, then introduced and bonded to the hull with adhesives and laminate taping, under vacuum pressure.

2.3.2 Structural bulkheads

Structural bulkheads are infused glass vinyl ester sandwich with reinforced unidirectional fibres and then bonded to the hull with structural vinyl ester adhesive and/or selected bonding paste (plexus or spa-bond).

2.3.3 Chain plates

Carbon laminated pin side stay chain plates system. Forestay chain plate is an externally attached custom stainless-steel fitting bolted to the stem.

2.4 Hull finish

2.4.1 General

Standard white gelcoat finish.

3. DECK

3.1 Laminate

Infused vinyl ester female moulded laminate, vacuum bagged.
Sandwich construction with a high-performance PVC foam core.
Structural bulkheads are bonded to the deck with structural adhesive and finish taping.

3.2 Deck finish

Weather resistant gel coat with pre applied non-skid (in mould).

3.3 Cockpit and Cabin top

Extended cabin top hatch over-hang for green water protection.
Green water diverting cabin top with windows for viewing trim from below.
Green water diverting specific helm position to maximise comfort over long distances.
Sunken self-draining life raft locker in the centre of cockpit for easy access and optimal weight distribution.
Specific pre located auto pilot positioning.

3.4 Deck Gear

Harken high performance racing package.
2 x Performa 46.2 STP Self Tailing primary winches.
2 x Performa 46.2 STP Self Tailing cabin top winches
Transom mounted traveller track with course and fine tune end boom sheeting control.
Winch-less course topmast runner control with 24:1 fine tune.
Athwartships jib tracks and car for full inboard and full out board set up.
Cross sheet and multi sheet control to primary and cabin top winches.
Spinlock jammers.

Custom carbon bow sprit

1:1 M/Head tack line with Spinlock Jammer

2:1 Code 0 Tack line Spinlock Jammer

3.5 Stanchions and Lifelines.

OSR Cat 1 and ISO/CE Category A offshore stainless steel stanchions, pushpit, pulpit and 5mm 1 x 19mm stainless wire lifelines.

Centre aft stanchion for required electronic devices.

3.6 Deck Hatches

1 x 63890 Lewmar Ocean 65 Low Profile trapezoid forward hatch

2 x 171020 Lewmar cockpit hatches – Port and Starboard

1 x Lockable main cockpit "Fastnet Lock" hatch system

4. Interior

Insulated self-draining cool box.

Dedicated tack-able navigation station with galley and gimbaling Jet-boil.

Domestic Sani Potty Chemical toilet moulded into structure for safe and secure location – optional privacy section available.

Option for plumbed in Toilet.

Mid ships adjustable lightweight alloy and canvas pipe cots x 2 (port and starboard).

Aft adjustable lightweight alloy and canvas pipe cots x 2 (port and starboard)

Storage under mid ships pipe cots.

4.1 Interior finish

Stipple finish white gel coat.

Tack-able Navigation Station/Galley System

Simplistic but practical racing design.

5. Keel and Bulb

5.1 General

Male/Female cassette style keel connection.

Cast iron fin with moulded composite fairings.

Cast Lead bulb with composite fairings.

Designed and Built above current ISO Standard requirements as stated in section 1.3.

6. Steering system

6.1 General

Twin transom mounted rudders on pintles and gudgeons.
Ability to adjust toe angle.
Single GRP composite tiller and Spinlock tiller extension.

6.2 Rudders

Female carbon moulded rudder blades with painted finish.

6.3 Emergency steering

Single alloy emergency tiller with easy connect fittings on the top of both rudders.

7. Engine and Propulsion

Volvo Penta D1-13 12.2 Hp
S-drive 130S-D LH ratio 2.19:1
Blade kit, 2-blade, 14x9, LH folding propeller.
Spinlock control face and gear selector.
Fuel shut off valves at tank.
55 Litre diesel tank.

8. Rig and Rigging

8.1 Rig

Selden T800 Intermediate Modulus carbon fibre.
CnC Pre Preg wound, load orientated filaments to minimise weight and maximise stiffness.
Deck stepped two-piece tube for ease of transport and storage.
Twin aerofoil spreaders with 23' aft rake
Machined alloy spreader bars and tangs.
Machined twin top mast backstay tangs and SK 99 cables with Technora cover.
Selden Carbon Rod vang system
M/Head LED tri-light.
1 x Mast Head Halyard sheave exit.
1 x 2:1 15/16 Code Zero halyard sheave and exit.
1 x 2:1 Main halyard sheave and exit.
1 x External jib halyard hanger, lock, sheave and exit.
1 x 2:1 GS/SS/J5 sheave and exit.
Lazy jack allocated take offs
Dye-form standing rigging.

2 reef carbon boom with 2 spinlock reef jammers.
Boom lazy jack attachments.
Aluminium mast base with halyard organisers.

8.2 Running Rigging

1 x 2:1 Main Halyard – SK99 8mm Performance Technora
1 x 1:1 Mast Head Halyard – SK78 8mm Performance in Technora.
1 x 1:1 Jib Halyard – SK99 8mm Performance Technora.
1 x 1:1 Mast Head Tack Line – 78 8mm Performance in Technora.
Jib sheeting control system – Port and Starboard. SK78 6mm
Course tune main sheet – SK78 8mm Performance Technora.
Fine tune main sheet – SK78 8mm Performance Technora.
*Top mast backstay control lines with fine tune – SK78 6/8mm Performance.
2 x Jib Sheets – SK78 8mm Performance Technora.
2 x Spin Sheets – SK78 8mm Performance Technora.
*2 x reefing control systems – SK78 8mm Performance.
*1 x Main traveller system – SK78 6mm Performance.
*1 x Vang control – SK78 6mm Performance.
Optional Code 0 running rigging pack.

* Colours to be confirmed

8.3 Bow Sprit

1.5m Carbon Bow Sprit
1 x 1:1 M/Head tack line exit
1 x 15/16 2:1 Code Zero exit
SK99 Bobstay

9. Electrics

9.1 House Electrics

2 x Way switchboard
3 x Battery switches (on, off and parallel)
VSR -charging relay
Interior Hella LED lights
Magnetic compass with power/light circuit
VDO Fuel gauge and sender
Ener-drive Battery Monitor
1 x 50 ah sealed gel engine battery – Optima Blue Top
1 x 120 ah sealed house battery – Dekka AGM
1 x dc outlet
1 x Hella 2LT 980 650-001 M/Head Tri Light.
Purpose designed and pre-made house electrics loom with full schematic plan for easy maintenance.

Optional Removable shore battery charger.

10. Equipment

10.1 Manuals

An owners-manual is provided which outlines instructions for use, maintenance, schematic drawings, design drawings, diagrams of systems, supplied equipment manuals and separate supplier warranties.

11. Plumbing

11.1 Water Ballast System

1 x Custom water ballast in/out valve operational from cockpit.

12-V Water Ballast Pump

2 x 250L water ballast tanks in built.

Transfer plumbing system operational from cockpit.

11.2 Galley

1 x galley through hull with seacock.

1 x Foot pump for fresh-water system.

2 x 35L fresh-water tank soft pack.

11.3 Bilge Pumps

1 x Cockpit manual bilge pump Cat 1 compliant

1 x Interior manual bilge pump Cat 1 compliant with full boat roving capabilities.

Optional 200L/minute Cat 1 bilge pump available.

12. Shipping Cradle

Full support splashes for Upright and 90° position suitable for transport.

Optional uprights available to turn shipping cradle into "keel on" yard storage cradle.

13. Contact Details

For all sales and technical enquiries please contact:

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