

RS21

Keelboat racing the RS way

The RS21 responds to the need for a progressive, simple and affordable solution for keelboat clubs that increasingly see the opportunity for fleet ownership, league competition and training. Pay-as-you-go. Team up and do it together.

The RS21 is specifically designed for fleet purchase, with attributes that will appeal to individual buyers as well. It puts close racing over ultimate performance. Convenient ownership over complexity. It maximizes low maintenance. Comfortable ergonomics. Value. And pure sailing enjoyment.



This is the boat to bring wider availability and popularity back to keelboat racing.

RS Sailing's sustainability focus has actively influenced the design, resulting in a boat built from eco-friendly materials, with multiple environmental attributes. It marks significant progress over previous generations.

Produced by the world's leading small sailboat brand, the RS21 is high quality and a sound financial proposition. Realistic costs allow appealing club charter fees – or affordable investment by syndicates of sailing friends. The RS21 is a safe purchase and assured of success.

RS21 specification

Designer	Richards/Whitehouse/RS Sailing	
Length	6.34m	20' 11"
Beam	2.20m	7' 3"
Draft	1.38m	4' 6"
Displacement	650kg	1,433lb
Mainsail – Club	16.2m ²	175ft ²
Jib – Club	8.4m ²	90ft ²
Gennaker – Club	35m ²	377ft ²
Spinnaker – Club	30m ²	323ft ²
Mainsail – Race	16.2m ²	175ft ²
Jib – Race	8.4m ²	90ft ²
Gennaker – Race	40m ²	431ft ²

Specifications are subject to change prior to delivery due to deletions, additions or revisions in quantities, brand or design at the sole discretion of RS Sailing.

“The RS21 is a complete boat that is a step forward for sailing programs due to software and hardware that will change the way people have access to and partake in our sport.”

High stability hull

An emphasis has been placed on user friendliness in all aspects for the design. High form stability and almost 50% ballast ratio provide easy handling and enjoyable performance. The forgiving design leads to fun in every venue. Open water with waves— or gusty lake with wind shifts – the RS21 will always be your friend.

Distinct chines contribute to the form stability, shed water and lead to a drier ride for the crew. The balanced rocker shape gives good all-around performance across the wind range, accepting the compromise of ultimate speed at one end or the other.

The keel can be raised using a removable internal crane – or even fully removed, using a club crane or fork-lift to lift the hull clear. This allows boats to be efficiently multi-stacked on a trailer or truck for initial delivery and transport to events – reducing cost and improving sustainability aspects.

Ergonomic deck

We invest in the future of our sport and want our sailors to enjoy sailing with us for as long as possible. Designing a boat that ergonomically fits every sailor creates the life-long pleasure.

The deck design gives plenty of space for four sailors, while the layout ensures the boat could be handled by only two. It maximizes flexibility for both racing and training – removing common issues associated with club competition. A lot of effort has been put into creating space for every team member on board. They will all love it.



The goal is also to make every RS21 sailing experience enjoyable, so the spacious cockpit will stay clean due to smart solutions to store halyards and sheets underway. Every sailor will have a roll to play and will directly understand the ease of sailing the RS21. A spaghetti of rope is history.

All equipment can be stowed on board with a large hatch giving access to the hull – again adding to the RS21's operating speed and efficiency.

User-friendly rig

The carbon composite mast is light, safe and easy to step by hand, using the pivoting mast heel. It can be stowed within the cockpit for travel or winter storage. It is simply rigged, yet responsive while sailing.

A durable Mylar laminate mainsail, jib and gennaker are supplied as standard, with a sail-plan that is sufficiently powerful to give exciting sailing but without creating high loads or handling vices. The RS21 is all about fun and level competition, rather than extreme performance.

The retractable bowsprit gives clearance for the gennaker and easy gybing downwind, retaining absolute simplicity in set-up and sailing.

A symmetrical spinnaker is an optional addition, suited to sailing on restricted waters. It will not be required for Class racing.

Easy to own

The RS21 is designed to keep ownership costs acceptable and minimize maintenance requirements. The quality of the hardware and the simplicity throughout will help you, your team and your club spend more enjoyable time on the water.

Sustainability

RS Sailing is committed to building the sustainability of our boats and operations. We care about the future of the planet and its oceans for the next generations of sailors. Following the testing of sustainable materials for use in composite hulls, the RS21 is designed to incorporate eco-friendly materials into the construction, leading the way in one-design keelboat production.

The deck shape was designed to facilitate stacking boats one on top of another which, when combined with the removable keel, maximizes transport and winter storage efficiency.

An optional electric motor pack with innovative retracting propeller system is



integrally designed into the boat. It is clean, convenient, creates no drag during sailing and offers an environmentally friendly solution to get you home when the wind drops.

Innovative community

Adding social value and automating data to bring people together is in our lives now. RS21 comes with its own data logger sending info to a remote online site – and a set of innovative racing and performance electronics options. More than just seeing speed and depth, today's technology

allows communication between owners, crew and all participants individually and collectively. This group will be able to share: anonymized data – compare data associated with individual performance against the fleet or (with permission) against individuals in the fleet – experiences with the group – manage the race calendar and the crew commitments – “advertise for” and find crew for events. Not just a new boat but a new way to sail!

RS Sailing – credentials & value

The world-leading small sailboat manufacturer, RS Sailing has created some of the most successful classes of this era. The hugely popular RS Feva that inspires young sailors. The technologically ground-breaking RS Aero. The sport-building RS Venture Connect keelboat, selected for World

Sailing’s Para programme. The stunning RS Elite keelboat that demonstrates RS’s ability to understand the sailors and create a boat they love.

RS Sailing wants to be the best partner for the sport. That means that we want to service all sailing federations, clubs and schools – take complexity out of the sport where we can. Creating a modern, no-nonsense boat with smart features like the RS21 fits exactly with this objective. A boat that will make access to sailing easier, affordable and build participation.

This will make purchasing the RS21 a safe buy. Our global distribution network will support you in your project and enhance the long term value.



© RS Sailing 2018. All rights reserved

RS Sailing

Premier Way, Abbey Park
Romsey, Hampshire
SO51 9DQ
United Kingdom

Tel. +44 (0)1794 526760
rssailing.com