

ePropulsion Test Ride Report

Motor: Spirit 1.0 Custom

Boat: RS 21

Test Date: 2019.3.31



Performance Data

Power (W)	Speed (mph / kph)	Runtime (hh:mm)	Range (mile / km)
50	2.2 / 3.5	20:00	43.5 / 70
150	3 / 4.8	6:50	19.3 / 31
300	4 / 6.4	3:20	12.4 / 20
500	4.2 / 6.8	2:00	8.5 / 13.6
700	4.8 / 7.7	1:30	6 / 9.7
900	5 / 8	1:05	5.6 / 9
1000	5.5 / 8.8	1:00	5.5 / 8.8

Test Condition

Number of People	2
Temperature (°C / °F)	18 / 64.4
Weather	Wind F3 to F4
Configuration	1
Location	Hamble river

Spirit 1.0

Max Power (W)	1000
Battery Capacity (Wh)	1018 (Spirit Battery * 1)
Control	Side Mount Control

Propeller

Diameter × Pitch (cm / in.)	28 × 14.7 / 11 × 5.8
Rated RPM	1200
Number of Blades	2
Propeller Material	fiber-reinforced nylon

RS21

Length (mm / ft.)	6340 / 20'11"
Beam (mm / in.)	2200 / 7'3"
Dry Weight (kg / lbs.)	650 / 1433

Boat Manufacturer

RS Sailing
19 Premier Way,
Romsey SO51 9DQ, UK
<https://www.rssailing.com/project/rs21/>



Disclaimer

Your boat's performance may be different than the information contained in this test ride report due to various factors, including your boat's actual weight, wind and water conditions, temperature, humidity, elevation, bottom paint, boat options affecting wind/water drag and/or boat weight, etc. The information and data contained in this test ride report are provided as a guideline only. ePropulsion reserves the right to change the specifications and performance data of this test report without notice.

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