

ePropulsion Test Ride Report

Motor: Spirit 1.0 Plus

Boat: Nomad Vanguard 17

Test Date: 2021.8.16

Testing Personnel: Keith Phillips



Performance Data

Power (W)	Speed (mph / kph)	Runtime (hh:mm)	Range (mile / km)
35	1.5 / 2.4	36:25	54.3 / 87.4
65	2.1 / 3.4	19:35	41.4 / 66.6
150	2.8 / 4.5	10:00	28.0 / 45.0
250	3.5 / 5.7	5:00	17.7 / 28.5
500	4.4 / 7.1	2:30	11.0 / 17.7
750	5.2 / 8.3	1:40	8.6 / 13.8
1000	5.5 / 8.8	1:15	6.8 / 11.0

Test Condition

Number of People	1
Temperature (°C / °F)	27 / 81
Weather	Sunny, 2-3 knots wind
Configuration	2
Location	Rockport, MA, United States

Spirit 1.0 Plus

Max Power (W)	1000
Battery Capacity (Wh)	1276 (Spirit Battery * 1)
Control	Tiller

Propeller

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

Nomad Vanguard 17

Length (mm / ft.)	5230 / 17.17
Beam (mm / in.)	2440 / 96"
Displacement (kg / lbs.)	302 / 666

Boat Manufacturer

Vanguard Sailboats
Portsmouth, Rhode Island, USA
<http://www.laserperformance.com>



Disclaimer

Your boat's performance may be different from 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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