STONEWAŶS VPRS

2023 Rating Certificate

Yacht	Wave V	Varrior		Rig	Bermu	ıdian Sloop	
Sail number	B 47			Design	Bavar	ia 47	
тсс	1.042			Series / built		/ 2009	
No spinnaker TCC	1.019			Default crew limit	13	people	
Performance indicator	s						
Mainsail area	47.22 r	<i>m</i> ²		Sailing weight	12956	kg	
Mizzen area	n	<i>m</i> ²		Displacement / length	164	(sailing weight)	
Upwind headsail area	62.76 n	<i>n</i> ²		Sail area / wetted surface	2.55	(main + u/w hea	dsail)
D/wind headsail area	102.03 n	<i>m</i> ²		Sail area / displacement	20.25	(main + u/w hea	dsail)
Hull			source	Rig			source
Hull Length	LH	14.49 m	D	Spar material		Aluminium	alloy
Bow overhang	во	0.50 m	E	Forestay length	FL	18.00 m	Е
Stern overhang	SO	1.16 m	E	Foretriangle base	J	5.80 m	0
Waterline length	LWL	12.84 m	С	Mainsail hoist	Р	15.60 m	А
Stern height	Y	0.33 m	E	Mainsail outhaul	E	5.60 m	А
Beam	MB	4.35 m	D	Main sail			
Topside overhang	TSO	0.36 m	E	Half width	MHW	3.18 m	А
Freeboard at mast	FBI	1.23 m	E	Three quarter width	MTW	1.71 m	Α
Draught	Т	1.85 m	D	Upper width	MUW	0.91 m	А
Empty weight	EW	11300 kg	Р	Construction		Woven	
Fixed ballast weight	KW	4407 kg	E	Reefing		Slab	
Moveable ballast		None		Upwind headsail			
Appendages & propell	er			Luff length	HLU	16.02 m	А
Keel type		Z1P1L1N1		Luff perpendicular	HLP	8.24 m	А
Keel depth	KD	1.24 m	E	Half width	HHW	3.76 m	А
Keel chord	KC	2.21 m	E	Three quarter width	HTW	1.79 m	Α
Rudder type		Spade		Foot height	HFH	0.30 m	E
Rudder depth	RD	1.24 m	E	Construction		Woven	
Rudder chord	RC	0.50 m	E	Reefing		Change Sa	il
Propeller type		Feathering		Downwind headsail			
Propeller blades	PRN	3		Tack type		Bow sprit	
Propeller diameter	PRD	0.45 m	E	Pole / tack length	STL	6.70 m	0
Mizzen				* Luff length	SLU	16.50 m	0
Mizzen hoist	PY	т		* Leech length	SLE	14.70 m	0
Mizzen foot	EY	т		* Half width	SHW	7.40 m	0
Staysail luff length	LLY	т		* Foot width	SFL	9.80 m	0
Staysail luff perp	LPY	m		* OR Area	SPA	<i>m</i> ²	

Measurement source:A=Authenticated;O=Owner measured;S=Sister vessel;P=Published;C=CalculatedSystem data source:D=Database derived;E=EstimatedTCC calculated on 06/06/2023 at 18:08:43

IMPORTANT: see notes on page 2 for appropriate use and validity

1. Correct use of the published ratings

Multiply the elapsed time by the TCC to obtain corrected time.

The TCC is calculated for the declared sail plan, which may or may not include a downwind headsail (spinnaker). For boats without a downwind headsail the words "(no spinnaker)" appear after the TCC.

Boats with a full sailplan also have a "no spinnaker TCC" for use only when racing in a non-spinnaker class.

If spinnaker and non-spinnaker boats race together, non-spinnaker boats will have an advantage on upwind legs, and a disadvantage off the wind.

2. Data quality

The fairest ratings will result from accurate measurement; ratings calculated using a significant amount of estimated and published data are far more likely to be out of line with expectations than those using measured and sister ship data. Owners must notify the rating office of any changes or errors in the rating data.

3. Applicability

This certificate is issued for the sole purpose of correcting elapsed times recorded in yacht races. It is not to be used for any other purpose.

4. Validity

Unless stated to the contrary, or superseded, this certificate is valid until the end of the calendar year in which it was issued. The validity can be checked by referring to the certificates published at: www.vprs.org/ratings.html

5. Additional information

Rated with flying Genaker on bowsprit for upwind headsail

6. Stability

An SSS base value provides a guide to the stability of a boat but does not guarantee safety or freedom of risk from capsize or sinking. The safety of a boat is the sole responsibility of the skipper who must ensure that the boat is fully found, thoroughly seaworthy, and operated by a crew sufficient in number and experience who are physically fit to face bad weather. The SSS base value does not constitute any warranty as to the seaworthiness of any boat or the safety of any gear and shall not limit the absolute responsibility of the skipper of the boat.

Guard rails fitted	Yes	
Dayboat	No	
SSS base value	45	Valid only for data on this certificate.