

Yacht	StarJay	Rig	Bermudian Sloop
Sail number	IRL7491	Design	J 80 OD
TCC	0.963	Series / built	1993
TCC 2	0.905 with no downwind H/S	Crew limit	6 people

Performance indicators

Mainsail area	20.58 m²	Mizzen / mizzen staysail area	0.00 m²	/	0.00 m²
Upwind headsail area	13.73 m²	Displacement / length	145		
Flying headsail area	64.73 m²	Sail area / wetted surface	2.61 (upwind sails)		
Spinnaker area	0.00 m²	Sail area / displacement	22.51 (upwind sails)		

Hull & appendages

			source
Hull Length	<i>LH</i>	8.00 m	<i>P</i>
Bow overhang	<i>BO</i>	0.46 m	<i>D</i>
Stern overhang	<i>SO</i>	0.64 m	<i>D</i>
Waterline length	<i>LWL</i>	6.90 m	<i>C</i>
Stern height	<i>Y</i>	0.12 m	<i>D</i>
Beam	<i>MB</i>	2.49 m	<i>D</i>
Topside overhang	<i>TSO</i>	0.30 m	<i>D</i>
Freeboard at mast	<i>FBI</i>	0.80 m	<i>D</i>
Draught	<i>T</i>	1.50 m	<i>D</i>
Empty weight	<i>EW</i>	1473 kg	<i>P</i>
Fixed ballast weight	<i>KW</i>	635 kg	<i>P</i>
Moveable ballast		None	
Keel type		H2H5F5N1	
Keel depth	<i>KD</i>	1.18 m	<i>D</i>
Keel chord	<i>KC</i>	0.85 m	<i>D</i>
Rudder type		Transom hung	
Rudder depth	<i>RD</i>	1.00 m	<i>D</i>
Rudder chord	<i>RC</i>	0.30 m	<i>D</i>
Propeller type		None	
Propeller blades	<i>PRN</i>		
Propeller diameter	<i>PRD</i>	<i>m</i>	

Mizzen staysail

Staysail luff length	<i>LLY</i>	<i>m</i>	
Staysail luff perp	<i>LPY</i>	<i>m</i>	

Flying headsail (downwind headsail)

FH luff length	<i>FHLU</i>	12.20 m	<i>P</i>
FH leech length	<i>FHLE</i>	9.90 m	<i>P</i>
FH half width	<i>FHHW</i>	6.98 m	<i>P</i>
FH foot width	<i>FHFL</i>	7.37 m	<i>P</i>
* OR ...	Area	<i>FHA</i>	<i>m²</i>
			<i>C</i>

			source
Spar material		Aluminium alloy	
Forestay length	<i>FL</i>	10.10 m	<i>D</i>
Foretriangle base	<i>J</i>	2.90 m	<i>P</i>
Flying h/sail tack length	<i>FHTL</i>	4.81 m	<i>P</i>
Spinnaker pole length	<i>SPL</i>	<i>m</i>	
Mainsail hoist	<i>P</i>	9.14 m	<i>P</i>
Mainsail outhaul	<i>E</i>	3.81 m	<i>P</i>
Boom above sheer	<i>BAS</i>	1.30 m	<i>D</i>
Mizzen hoist	<i>PY</i>	<i>m</i>	
Mizzen outhaul	<i>EY</i>	<i>m</i>	

Main sail

Half width	<i>MHW</i>	2.48 m	<i>P</i>
Three quarter width	<i>MTW</i>	1.45 m	<i>P</i>
Upper width	<i>MUW</i>	0.78 m	<i>P</i>
Construction		Laminated	
Reefing		Slab	

Upwind headsail

Luff length	<i>HLU</i>	9.30 m	<i>P</i>
Luff perpendicular	<i>HLP</i>	2.95 m	<i>P</i>
Half width	<i>HHW</i>	1.48 m	<i>P</i>
Three quarter width	<i>HTW</i>	0.74 m	<i>E</i>
Foot height	<i>HFH</i>	0.02 m	<i>E</i>
Construction		Laminated	
Reefing		Roller	

Spinnaker (downwind headsail)

* Luff length	<i>SLU</i>	<i>m</i>	
* Leech length	<i>SLE</i>	<i>m</i>	
* Half width	<i>SHW</i>	<i>m</i>	
* Foot width	<i>SFL</i>	<i>m</i>	
* OR ...	Area	<i>SPA</i>	<i>m²</i>

Measurement source: **A**=Authenticated; **O**=Owner measured; **S**=Sister vessel; **P**=Published; **C**=Calculated

System data source: **D**=Database derived; **E**=Estimated

TCC calculated on 15/01/2026 at 11:24:19

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

Certificate notes

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. For boats without a downwind headsail the words "(no downwind H/S)" appear after the TCC.

Boats with a full sailplan also have a "TCC 2" which excludes all downwind headsails. Strictly this is for use only when racing in a class specifically for boats without downwind headsails..

If boats with and without downwind headsails race together, the boats without downwind sails 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

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 capsizing 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	10	Valid only for data on this certificate.