

Owner(s)	
email	
Telephone	Club(s) / event(s)
Yacht name	Sail number
Rig type	Series date
Design	Build date
Dayboat?	OSR compliant guardrails fitted ?

Hull		source
Hull Length	LH	m
Bow overhang	BO	m
Stern overhang	SO	m
Waterline length	LWL	m
Stern height	Y	m
Beam	MB	m
Topside overhang	TSO	m
Freeboard	FBI	m
Draught	T	m
Empty weight	EW	kg
Fixed ballast weight	KW	kg
Moveable ballast		

Appendages & propeller		
Keel type		
Keel depth	KD	m
Keel chord	KC	m
Rudder type		
Rudder depth	RD	m
Rudder chord	RC	m
Propeller type		
Propeller blades	PRN	
Propeller diameter	PRD	m

Mizzen		
Mizzen hoist	PY	m
Mizzen foot	PE	m
Staysail luff length	LLY	m
Staysail luff perp	LPY	m

Rig		source
Spar material		
Forestay length	FL	m
Foretriangle base	J	m
Mainsail hoist	P	m
Mainsail foot	E	m

Main sail		
Half width	MHW	m
Three quarter width	MTW	m
Upper width	MUW	m
Construction		
Reefing		

Upwind headsail		
Luff length	HLU	m
Luff perpendicular	HLP	m
Half width	HHW	m
Three quarter width	HTW	m
Foot height	HFH	m
Construction		
Reefing		

Downwind headsail			
Tack type			
Pole / tack length	STL		m
* Luff length	SLU		m
* Leech length	SLE		m
* Half width	SHW		m
* Foot width	SFL		m
* OR ...	Area	SPA	m <sup>2</sup>

**Refer to measurement guide** ... and complete fields as appropriate; where not known, put 'X'  
Data **source** : **A**=Authenticated; **O**=Owner measured; **S**=Sister ship; **P**=Published. + **Notes overleaf**

---

# Rating application notes

---

**IMPORTANT:** these brief notes are **not** a substitute for the measurement guide.

**Owner data :** is requested only so we can maintain contact with you. It is not published on your certificate.

**Club(s) / event(s) :** this is used to control web page listing. Please indicate which clubs or events you intend to race with, whether or not you are a member.

**Data source:** 'S' (sister ship) is **reserved** for **authenticated data** taken from similar vessels. Where measurements are copies of those made by other owners with similar vessels, record the data source as 'O'. For waterline length only, 'C' (calculated) is also available.

**Series/build dates:** these are helpful when trying to source missing data.

**Design:** the boat type, eg: Archambault M34, Contessa 32, Humphreys 50 Custom, Sonata, X99, Elan 333, S&S 31, Melges 24 ... commonly/best used for identification.

## HULL

**Hull length:** over the moulding only (so excludes fittings such as pulpit, bow roller etc).

**Bow overhang + Stern overhang + Waterline length** ... should sum to give the **Hull length**.

**Beam:** for a yacht with tumblehome, the maximum beam will be between points located on the topsides.

**Topside overhang:** taken at maximum beam; ideally port/stbd average to reduce errors arising from listing.

**Freeboard:** the height from the water to the deck edge adjacent to the mast.

**Overhangs, stern height, freeboard:** to be measured whilst afloat in the **empty weight condition** (see measurement guide). If not complied with, then please state how, so that suitable corrections may be applied.

**Fixed ballast weight:** that of the ballast keel, usually a published figure; declare internal ballast separately.

**Moveable ballast:** Canting keel / Water. Assessed on an individual basis - see below.

## APPENDAGES & PROPELLER

**Keel type:** 8 character code as per measurement guide. Individually assessed where not fully covered.

## MAINSAIL / MIZZEN

**Hoist & Foot:** these are rig measurements (aka P & E) - taken to bands on the mast & boom.

## UPWIND HEADSAIL

**Foot height:** the height of the slot between deck and the upwind headsail foot mid-point, when close-hauled.

## DOWNWIND HEADSAIL

\* **OR ... Area:** as measured/calculated by a sailmaker for VPRS/IRC.

---

## Common individual cases

---

### Bilge keels

Keel depth is taken parallel to the keel surface, (ie not resolved to the vertical). Also needed is the keel contribution to the draught; the vertical distance below the lowest part of the canoe body to a horizontal plane intersecting the bottoms of the keels (ie height of canoe body above keel blocks).

### Moveable ballast

**Water ballast:** the mass, horizontal and vertical offsets from a suitable datum point on the hull will be needed.

**Canting keel:** where the form/composition is adequately captured by the keel type code, then just the maximum angular displacement in degrees. Also required are the dimensions of any dagger boards.