

|            |                                    |
|------------|------------------------------------|
| Owner(s)   |                                    |
| email      |                                    |
| Telephone  | Club(s)                            |
| Yacht name | Sail no.                           |
| Rig type   | Series date                        |
| Design     | ... built                          |
| Dayboat?   | ISAF 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      |

| Main sail           |     |  |   |
|---------------------|-----|--|---|
| Hoist               | P   |  | m |
| Foot                | E   |  | m |
| 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

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# Rating application notes

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

**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.

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# Common individual cases

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## **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.