

MOCRA 2006 RATING RULE

16.8 Foretriangle Area (FTA) = $0.5 \times FL \times LPF$

Measured Sail Area Jib (MSAJ) = $(0.5 \times LLJ \times LPJ) + (2/3 \times LFLJ \times LFRPJ)$

Rated Sail Area Jib = $FTA + \max(0, (MSAJ - (FTA \times 1.30)))$

16.10 Total Rated Sail Area = (Rated Mast Area + Rated Jib + Rated Mainsail + Rated Spinnaker)

17.0 Spare number

18.0 Seaworthiness and Safety

18.1 The issue of a rating certificate does not imply that a boat is necessarily of good design, safe or seaworthy. Race organisers are recommended to select the appropriate Category of Offshore race (Offshore Special Regulations 2.01) and specify the Category in the Notice of Race and Sailing Instructions.

19.0 Structural Features and Fixed Equipment Attention is drawn to the requirements of the Offshore Special Regulations - Section 3

19.1.1 Irrespective of the inclusion of a Race Category in the Race Instructions the following items shall always be carried by a multihull when racing under the MOCRA Rating Rule:

19.1.2 A bilge pump and bucket. - see Offshore Special Regulations 3.23

19.1.3 An engine

19.1.4 A compass. - see Offshore Special Regulations 3.24

20.0 Minimum Portable Equipment Attention is drawn to the requirements of the Offshore Special Regulations - Section 4

20.1 Irrespective of the inclusion of a Race Category in the Race Instructions the following items shall always be carried by a multihull when racing under the MOCRA Rating Rule:

20.2 One anchor and suitable warp. - see Offshore Special Regulations 4.06

20.3 Two red hand flares.

21.0 Personal Equipment: Attention is drawn to the requirements of the Offshore Special Regulations - Section 5

21.1 Irrespective of the inclusion of a Race Category in the Race Instructions the following items shall always be carried by a multihull when racing under the MOCRA Rating Rule:

21.2 Lifejackets, one for each crew member - see Offshore Special Regulations 5.01

22.0 Minimum Accommodation

22.1 Boats less than 8.00m LOA shall have a minimum headroom of 1.22m over a length of 1.35m.

22.2 Boats greater than 8.00m LOA shall have a minimum of 1.50m headroom over an area of 1.00m² of cabin sole.

22.3 There shall be a minimum of three bunks of adequate size suitable for use at sea.

22.4 A cooking stove adequately mounted. Adequate fuel safely stowed. Adequate utensils for the normal crew complement.

23.0 Time Correction Factor TCF

$$TCF = 1.74 \times (\text{Rated Length}^{0.2814}) \times (\text{Rated Sail Area}^{0.3546}) \times PF \times HF \times CMF$$

$$\frac{1}{(\text{Rated Weight})^{0.3124}}$$

APPENDIX 1

MEASUREMENT DEFINITIONS

E The foot of the mainsail .

Empty Weight The weight of the boat to the nearest 1 kg, in the condition of Empty Weight, less the weight of any deductions to the nearest 1 kg (see Rule 22.3).

FL The forestay length measured from where the forestay meets the deck, or from the jib outhaul in the case of a bowsprit, to the forestay attachment point on the front of the

mast or to where the forestay intersects the front of the mast, projected if necessary.

J The base of the foretriangle measured as the horizontal distance from the front of the mast at deck level to the point where the forestay meets the deck, projected if necessary.

LFLJ Foot length of jib from tack point to clew point.

LFRPJ Maximum distance from a straight line joining tack and clew to the foot of the sail.

LLJ The longest luff length of any jib or headsail when stretched sufficiently to remove any creases.

LLR The longest luff length of any reacher headsail (set outside of the foretriangle, set flying on a roller furling system) when stretched sufficiently to remove any creases.

LOA The length overall of the hull excluding bowsprit and other rigging if any, stem fittings, stern fittings, pulpits, any over hanging rudder and rudder hangings.

LPF Distance from the base of the mast perpendicular to the forestay.

LP The longest luff perpendicular of any jib or headsail measured as the shortest distance from the clew point to the outside of the luff or luff tape. For a cutter rig with more than one forestay, LP is measured as the shortest distance from the aftmost clew point of any jib or headsail when set on the centre line of the boat, to the foremost forestay.

LWP Length on waterplane in the condition of Empty Weight (see Rule 15.0).

MHW The half width of the mainsail, measured as the shortest distance between the half leech point and the luff, bridging any hollows in the leech of the sail.

MQW The quarter width of the mainsail, measured as the shortest distance between the quarter leech point and the luff, bridging any leech hollows as above.

MTW The three quarter width of the mainsail, measured as the shortest distance between the three quarter leech point and the luff, bridging any leech hollows as above.

P The vertical projection of the mainsail

SF The longest foot length of any spinnaker, measured between the clew points.

SLE The longest leech length of any spinnaker, measured from the clew point to the head point.

SLU The longest luff length of any spinnaker, measured from the tack point to the head point.

SMW The maximum width of any spinnaker, measured between the half luff and half leech points.

Index of Abbreviations Rule Reference

E	Mainsail Foot Length 16.5
ISAF	The International Sailing Federation 8.2
J	Base of Foretriangle 16.3
LL	Headsail Longest Luff Length
LOA	Length Overall 13.1
LP	Headsail Luff Perpendicular Maximum Length 16.3
LPF	Foretriangle Perpendicular
LWP	Length on Waterplane 13.1
MQW	Mainsail 1/4 Width
MHW	Mainsail 1/2 Width 16.5
MTW	Mainsail 3/4 Width
P	Mainsail Luff length
RF	Rig Factor 16.2
RRS	The Racing Rules of Sailing 8.2
SF	Spinnaker Foot Length 16.6
SL	Spinnaker Leech Length 16.6
SMW	Spinnaker Half Width 16.6
TCF	Time Correction Factor 23