

IONA

ISAF Ten Rater Class – VPP Copyright Graham Bantock 2003

Total displacement 5.8 kgs(12.8 lbs)
Waterline length – measured between limit marks 1140 mm (44.9 in)
Mainsail, 2000 mm luff – measured area 0.653 m² (1012 in²)
Headsail, 1450 mm luff – measured area 0.414 m² (642 in²)

***builders may build hulls for their own use only free of royalty
a royalty fee is due to the designer on all other hulls***

SAILSetc

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Plan Notes

- reduced sections show the shape of building shadows for 3.5 mm (9/64 in) planks – these will give a 3 mm (1/8 in) finished skin thickness
- note that the building shadow spacing varies at the ends
- DXF or IGES files available from the designer if required
- after planking, remove the forward 20 mm (0.8 in) and replace with elastomeric material to form a bumper
- grid spacing for the hull is at 10 mm spacing
- grid spacing for the ballast is at 3 mm spacing
- fin, fin trunking, rudder, ballast and bow bumper are available from SAILSetc– quote IONA
- suggested maximum draught is 585 mm (23 in) for best all round performance – class maximum is 700 mm (27.5 in)
- ensure the rudder does not cut the datum waterplane established through the waterline limit marks
- waterline limit marks are shown 5 mm outboard of the design waterline endings
- adjust the ballast weight to give the total displacement as indicated
- adjust the ballast LCG position to achieve the design waterline as indicated
- the mast position will be approximately correct for mainsail and headsail areas as indicated
- sail areas quoted will be correct for the design waterline and a mast with an average diameter of 13 mm (0.5 in)
- design and rig size is optimised for best performance compared to a Marblehead design rated as a Ten Rater
- use larger luff lengths for better light airs performance at the expense of best performance in heavier airs
- sails, spars and rigging are available in kit or completed form from SAILSetc– quote IONA
- hardware, spars and rigging are available from SAILSetc or their USA stockists