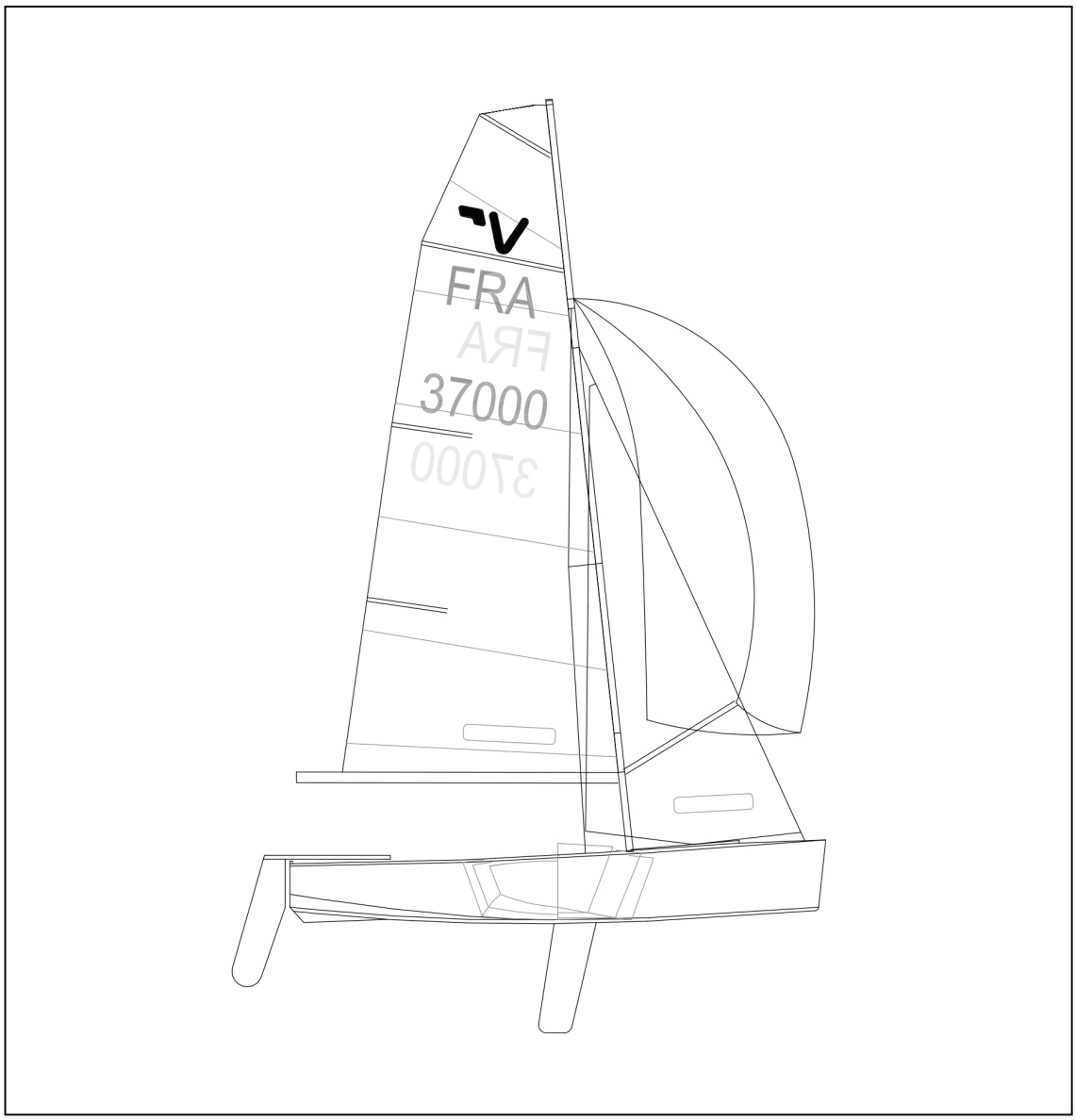
ISAF Plaque n°

INTERNATIONAL
VAURIEN
CLASS
HULL MEASUREMENT FORM
2010



The Vaurien was designed by ***Jean Jacques HERBULOT*** and was adopted *as* an International Class by ISAF in 1957.

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INTRODUCTION

This introduction only provides an informal background about the VAURIEN class

*Only Vaurien hulls need to be measured for a **certificate** to be issued.*

VAURIEN hulls, hull appendages, rigs and sails are measurement or manufacturing controlled.

VAURIEN hulls, hull appendages, rigs and sails may, after having left the manufacturer, only be altered to the extent permitted in Section C of the Class Rules.

Owners and crews shall be aware that compliance with Class Rules Section C is NOT checked as part of the certification process.

Rules regulating the use of equipment during a race are contained in Section C of the Class Rules, in ERS Part I and in the Racing Rules of Sailing.

VAURIEN Class permits In House Certification (IHC) of appendages, rigs and sails; for hulls IVCA may give authorization in special cases.

Builders are strongly advised to clarify any doubt about the Class Rules before starting construction to avoid the possibility of boats being subsequently considered not complying.

PLEASE REMEMBER:

VAURIEN CLASS RULES ARE **CLOSED CLASS RULES** WHERE IF IT DOES NOT SPECIFICALLY SAY THAT YOU MAY, **THEN YOU SHALL NOT**.

COMPONENTS, AND THEIR USE, ARE DEFINED BY THEIR DESCRIPTION.

A - GENERAL

A.1. GENERAL NOTES

(a) All measurements are in millimetres unless stated otherwise.

(b) Lengths shall be measured parallel to the baseline of the boat, widths perpendicular to the centre plane athwartship, heights and depths in the third direction.

(c) Measurements from transom shall be measured from the datum point plane perpendicular to the baseline and containing the intersection of the transom with the keelline.

(e) Weights are in kilograms and are measured by usual weighing scales. In fact these are masses.

(f) Volumes are in litres and areas in square metres.

(g) Fittings are in number.

A.2. CLASS RULES

This Measurement Form shall be read in strict relation with the Vaurien Class Rules. In the event of a discrepancy between the Measurement Form and the Class Rules, the latter shall prevail.

Except where used in headings, when a term is printend in **"bold"** the definitions in the ERS shall apply and when a term is printend in *"italics"* the definitions in the RRS shall apply.

A.3. DIAGRAMS

This Measurement Form doesn't have any diagram. Explanatory diagrams are contained within the Class Rules.

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B - HULL

B.1 IDENTIFICATION

	ISAF plaque number		
	Hull builder's number (if any)		
	Builder		
	Measurer		
	Date of construction		

B.2 MEASUREMENTS

No	Description	Min	actual	Max
	CR D.2 GENERAL			
1	ISAF plaque number is stuck to the hull	Pass/Fail		Pass/Fail
2	Sail Number is engraved on port of centreboard case	Pass/Fail		Pass/Fail
	CR D.3 HULL SHELL			
1	Materials comply with Class Rules	Pass/Fail		Pass/Fail
2	Bottom surface convexity check	Pass/Fail		Pass/Fail
3	Check of sheerlines and chines with 680mm ruler	Pass/Fail		Pass/Fail
4	Control of exposed and internal edge rounding off radius			10 mm
5	Control of exposed and internal edge chamfer			14 mm
6	Bottom thickness			15 mm
	CR D.4 KEEL, SKEG AND BILGE KEELS			
1	Fairing of external keel and skeg			120 mm
2	Control of external keel:			
3	Width of external keel against hull bottom	52 mm		95 mm
4	Width of external keel bottom face	32 mm		
5	Depth of external keel	28 mm		
6	Fairing of bilge keels			120 mm
7	Control of skeg with template	Pass/Fail		Pass/Fail
	CR D.5 TRANSOM AND STEM			
1	Control of transom bottom with template	Pass/Fail		Pass/Fail
	Control of stem sections with templates:			

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No	Description	Min	actual	Max
2	60mm below **FMP1**	Pass/Fail		Pass/Fail
3	at **FMP2**	Pass/Fail		Pass/Fail
	Dimensions of transom drainage ports:			
4	-minimum area (mm2) in case no self bailers are fitted	1950 mm2		
5	-minimum area (mm2) in case self bailers are fitted	760 mm2		
6	-maximum dimension			120 mm
	CR D.6 DECKS			
1	Check that no part of the foredeck falls below a straight line connecting sheerlines athwartship	Pass/Fail		Pass/Fail
	CR D.7 BUOYANCY TANKS			
1	Total Volume of primary buoyancy apparatus	360 litres		
2	Volume of smallest buoyancy compartment	100 litres		
3	Primary buoyancy compartments	3		
4	Volume of secondary buoyancy when necessary	100 litres		
5	Secondary buoyancy elements	3		
6	Inspection holes for each buoyancy compartment	1		
	CR D.8 GUNWALE RUBBING STRAKE			
1	Control of gunwale with template	Pass/Fail		Pass/Fail
	CR D.10 ASSEMBLED HULL - FITTINGS			
1	Chainplates or similar for forestay	1		1
2	Chainplates or similar for shrouds	2		2
3	Mast Step	1		1
4	Pintles and/or gudgeons on transom	2		2
5	Toe straps	1		
6	Self bailers			2
7	Transom drainage ports	1		2
8	Spinnaker bags			2
9	Compass			1
	CR D.10 ASSEMBLED HULL - DIMENSIONS			
1	**Hull length**	4060 mm		4100 mm

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No	Description	Min	actual	Max
	Beam of **hull**, excluding rubbing strakes and fittings, between sheerlines:			
2	at section 2	1262 mm		1282 mm
3	at section 4	1444 mm		1464 mm
4	at section 6	1030 mm		1050 mm
5	Longitudinal distance from **Hull Datum Point** to forward side of mast notch in mast thwart	2705 mm		2735 mm
6	Longitudinal dimension of mast spar thwart forward of notch	70 mm		
7	Longitudinal distance between forward side of notch in mast thwart and centre of hole in forestay	1175 mm		1185 mm
8	Longitudinal distance from **HDP** to centre of shroud plate hole	2250 mm		2320 mm
9	Inside diameter of buoyancy compartment inspection holes	150 mm		
10	Inside diameter of buoyancy compartment draining holes	25 mm		
11	Distance between **HDP** and intersection of coamings	3380 mm		3420 mm
12	Distance between **HDP** and aft side of centreboard case	2065 mm		2095 mm
13	Internal length of centreboard case			360 mm
14	Width of centreboard slot			28 mm
15	Height of upper edge of centreboard case and upper side of main thwart at boat centreline above external keel	324 mm		334 mm
16	Distance between transom and aft end of coamings	2550 mm		2650 mm
	Width of deck excluding thickness of rubbing strakes			
17	at section 6	120 mm		140 mm
18	at section 4	150 mm		170 mm
19	at section 2	180 mm		200 mm
20	Width of notch in mast thwart			70 mm
21	Distance of holes in mast thwart from centreline	35 mm		
22	Depth of mast thwart at notch from sheerline	11 mm		21 mm
23	Length of mast thwart aft of the forward leading edge of the mast notch	100 mm		
24	Length of main thwart	150 mm		
25	Width of side benches	150 mm		
26	Side benches rounding off radius			150 mm
27	Length of side benches	1060 mm		

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No	Description	Min	actual	Max
28	Depth of side benches from main thwart upper face			25 mm
29	Height of coamings from deck at boat centreline	20 mm		
30	Height of coamings at 50 mm from sheerline	5 mm		
31	Distance from **HDP** to **FMP2**	4005 mm		4045 mm
32	Longitudinal distance between **FMP1** and **FMP2**	50 mm		55 mm
33	Vertical distance between **FMP1** and **FMP2**	505 mm		515 mm
34	Distance between aft of centreboard slot and **HDP**	2015 mm		2045 mm
35	Vertical distance from baseline to bottom line at section 2	60 mm		80 mm
36	Vertical distance from baseline to bottom line at section 4	58 mm		68 mm
	Beam of hull between chines :			
37	at section 2	866 mm		886 mm
38	at section 4	1144 mm		1164 mm
39	at section 6	862 mm		882 mm
40	Vertical distance of any point of the bottom at section 2 from the reference line from chine to chine			10 mm
41	Height of chines above keel at transom	93 mm		103 mm
42	Distance between chine and sheerline at section 6	224 mm		234 mm
43	Distance between chine and sheerline at section 4	427 mm		437 mm
44	Distance between chine and sheerline at section 2	524 mm		534 mm
45	Side panels at section 6,4 and 2 shall be straight with a tolerance of			5 mm
46	Tolerance on flatness of transom			5 mm
	CR D.10 ASSEMBLED HULL - WEIGHT			
1	Hull minimum **weight**	70 kg		
	Hull correctors weight if any:			
2	Number			2
3	Weight (total)			3 kg
4	Position	Pass/Fail		Pass/Fail

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C - DECLARATIONS

C.1 BUILDER'S DECLARATION

Builder's Name: _____

Date of construction: _____

DECLARATION

I certify that:

This hull has been built in accordance with the spirit and the letter of the Class Rules and constructed in accordance with the Plans and Building Specifications.

Date: _____

Builder's signature: _____

Builder's stamp:

C.2 MEASURER'S DECLARATION

I certify that I have taken all the measurements on this form and that the hull conforms to the Plans and Rules of the International Vaurien Class Association.

I also certify that an ISAF plaque is fixed to the hull.

Comments:

_____

_____

_____

_____

_____

_____

Measurer's name: _____

Date: _____

Measurer's signature: _____

Measurer's stamp: