

International 2.4 metre Measurement Form

ISAF Plaque Number: 910

Overall length				4.180
Overhang Forward to L1			+ 0.429	
Overhang Aft to L1	Total overhang		+ 0.657	→ 1.085
Measured length				3.095
Girth at Bow			0.312	
Twice Vertical Height at Bow	O at Bow		- 0.240 →	0.072
1½ O at Bow			+ 0.108	
Girth at Stern			0.889	
Twice Vertical Height at Stern	O at Stern		- 0.517 →	0.370
Add 1/3 O at Stern			+ 0.123	
Add any penalty at O2	Sum of Girth difference		+ 0 →	+ 0.231
Correct length, L				3.326
Skin girth d to d1 Port				
Chain girth d to d1 Port	d Port		- →	+ 0
Skin girth d to d1 Starboard				
Chain girth d to d1 Starb,	d Starboard		- →	+ 0
d = d Port + d Starboard	2 x d			0 + 0
Add to find sum of L + 2d				3.324
Mean freeboard Bow O			+ 0.327	
Mean freeboard Midships D			+ 0.300	
Mean freeboard Stern	Sum of freeboards		+ 0.292 →	0.919
F=1/3 sum of freeboards	F, max 0.292			0.306 - 0.292
= L + 2d - F				3.034
Penalty Displacement Rule D.7.2.	LWL		2.978	
Corr LWL	Difference	2 x difference	- 2.978 →	0 + 0
Penalty Beam Rule D.7.3	Beam		0.760	
Min beam	Deficiency	4 x deficiency	- 0.720 →	0 + 0
√S				+ 2.654
Total of Measurements L + 2d - F + √S				5.688
Divide by 2.37 = RATING =				2.400
Penalty Draft Rule D.7.1	Draft		< 1.000	
Max draft	Excess	3 x excess	- 1.000 →	+ 0
Penalty Tumble home D.7.4	Tumble home		0	
Max Tumble home	Excess	3 x excess	- → 0.015	+ 0
FINAL RATING				2.4

Other Measurements recorded by measurer

Overall Length

Overhang Forward to L

Overhang Aft to L

Total Overhang (Sum overhang forward and aft)

Waterline Length (Overall Length - Total Overhang)

Minimum measured cockpit frame over water level when ballasted and swamped in accordance with rule C.5.2

Boat weight recorded by weighing according to rule C.5.1

Boat weight including 35 kg ballast

Minimum weight by Rule D.7.2 $(0.2 \times \text{LWL} + 0.06)^3 \times 1025$

	4.180
+ 0.545	
+ 0.657	
→	-1.202
	2.978
	254 Kg
	289 Kg
	289 Kg

Sail Dimensions

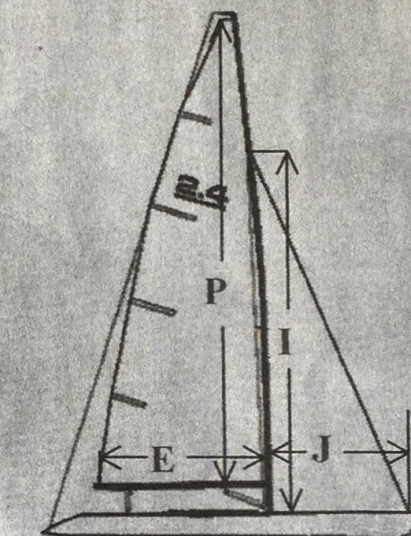
Lower to upper band $P = 4.650$

Outer point distance $E = 1.960$

Forestay height $I = 3.750$

Foretriangle base $J = 1.560$

Mast measurements checked	OK
Height of mast datum point Rule C.8.2 (b) (2)	OK
Boom measurements checked	OK
Rudder thickness, Rule E.4.3	OK



Areas of Sail

Mainsail $0.5 \times P \times E =$

Foretriangle Total $0.5 \times I \times J =$

Foretriangle Total $\times 0.85$

Sail Area For Rating $= S =$

$\sqrt{S}$

	4.557 m ²
2.925 m ²	
	2.486 m ²
	7.043 m ²
	2.654

Builder : **Oy Charger Composites Ab** Designer : **Peter Norlin** When Built **2014**

Measured by : **Esko Hyyppä FYA 0019**

Date of Measurement **10.12.2014**
/23.2.2015 (mast and boom)

Measurer's signature *Esko Hyyppä*

Complementary measured by

Date of compl Measurement

Certificate issued by

Date of issue

Name

CA

Authority

Signature