International 2.4 metre Measurement Form

ISAF Plaque Number: 912

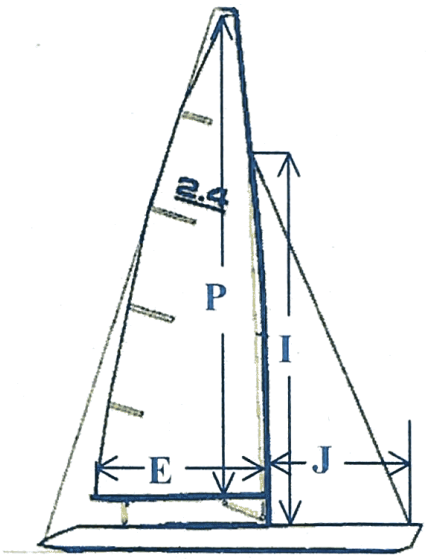
Overall length					4.178
Overhang Forward to L1			+ 0.427		
Overhang Aft to L1	Total overhang		+ 0 658	→ 0.185	
Measured length					3.093
Girth at Bow			0.312		
Twice Vertical Height at Bow	O at Bow		- 0.240→	0.072	
1½ O at Bow				+ 0.108	
Girth at Stern			0.887		
Twice Vertical Height at Stern	O at 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					3.324
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		+ 0.760→	0.919	
F=1/3 sum of freeboards	F, max 0.292			0.306	- 0.292
= L + 2d - F					3.032
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
$\sqrt{S}$					+ 2.654
Total of Measurements L + 2d - F + $\sqrt{S}$					5.686
Divide by 2.37 = RATING =					2.399
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	4.178
Overhang Forward to L	+ 0.542
Overhang Aft to L	+ 0.658
Total Overhang (Sum overhang forward and aft)	→ -1.200
Waterline Length (Overall Length - Total Overhang)	2.978
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	254 Kg
Boat weight including 35 kg ballast	289 Kg
Minimum weight by Rule D.7.2 $(0.2xLWL+0.06)^3 \times 1025$	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 x P x E =	4.557 m^2
Foretriangle Total 0.5 x I x J =	2.925 m^2
Foretriangle Total x 0.85	2.486 m^2
Sail Area For Rating = S =	7.043 m^2
$\sqrt{S}$	2.654

Builder : **Oy Charger Composites Ab** Designer : **Peter Norlin** When Built 2015

Measureed by : **Esko Hyyppä FYA 0019** Date of Measurement 29.1.2015

Measurer´s signature……

Complementary measured by…… Date of compl Measurement……

Certificate issued by …… Date of issue ……

Name

CA…….. ……...

Authority Signature