International 2.4 metre Measurement Form

Sail Number ..... ISAF Plaque Number 779

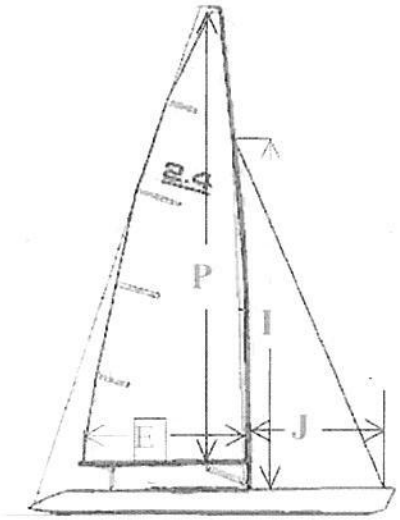
Owner..... Name of yacht .....

Overall length				4,181
Overhang Forward to L1		+ 0,430		
Overhang Aft to L1	Total overhang	+ 0,656	→ - 1,086	
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			+ 0,1108	
Girth at Stern		0,898		
Twice Vertical Height at Stern	O at Stern	- 0,529 →	0,369	
Add 1/3 O at Stern			+ 0,123	
Add any penalty at O2	Sum of Girth difference		+0,231 →	+ 0,231
Correct length, L				3,326
Skin girth d to d1 Port				
Chain girth d to d1 Port	d Port	- – →	+ –	
Skin girth d to d1 Starboard				
Chain girth d to d1 Starb,	d Starboard	- – →	+ –	
d = d Port + d Starboard	2 x d		–	+ –
Add to find sum of L + 2d				3,326
Mean freeboard Bow O		+0,327		
Mean freeboard Midships D		+ 0,291		
Mean freeboard Stern	Sum of freeboards	+0,298 →		
F=1/3 sum of freeboards	F, max 0.292		0,305	- 0,292
= L + 2d - F				3,034
Penalty Displacement Rule D.7.2.	LWL	–		
Corr LWL Difference	2 x difference	- – →		+
Penalty Beam Rule D.7.3	Beam	0,802		
Min beam Deficiency	4 x deficiency	- 0,720 →		+ –
$\sqrt{S}$				+2,654
Total of Measurements L + 2d - F + $\sqrt{S}$				5,688
Divide by 2.37 = RATING =				2,402
Penalty Draft Rule D.7.1	Draft			
Max draft Excess	3 x excess	- 1,000 →		+ –
Penalty Tumble home D.7.4	Tumble home			
Max Tumble home Excess	3 x excess	- 0,015 →		+ –
FINAL RATING				2,402

Other Measurements recorded by measurer

Overall Length	4,181
Overhang Forward to L	+ 0,545
Overhang Aft to L	+ 0,656
Total Overhang (Sum overhang forward and aft)	→ - 1,201
Waterline Length (Overall Length - Total Overhang)	2,980
Minimum measured cockpit frame over water level when ballasted and swamped in accordance with rule C.5.2	0,052
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 $(0.2xLWL+0.06)^3 \times 1.025$	289 Kg

Sail Dimensions



	P = 4,65
Outer point distance	E = 1,96
Forestay height	I = 3,75
Foretriangle base	J = 1,52

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 CHARGER COMPOSITES Designer PETER NORLIN When Built 2011

Measured by TOM BJORNDAL (FYA 0054) Date of Measurement 9.9.2011

Complementary measured by..... Date of compl measurement.....

Certificate issued by ..... Date of issue.....

name

CA .....

authority

signature