International 2.4 metre Measurement Form

Sail Number ..... ISAF Plaque Number 665

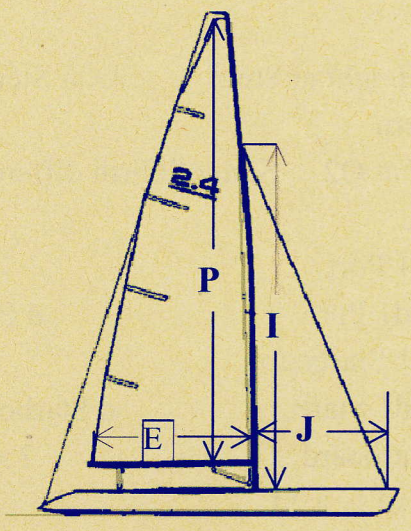
Owner..... Name of yacht .....

Overall length				4,181
Overhang Forward to L1			+ 0,429	
Overhang Aft to L1	Total overhang		+ 0,660 →	- 1,089
Measured length				3,092
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			0,898	
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
Correct length, L				3,323
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				3,323
Mean freeboard Bow O			+ 0,327	
Mean freeboard Midships D			+ 0,292	
Mean freeboard Stern	Sum of freeboards		+ 0,298 →	0,917
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			
Corr LWL	Difference	2 x difference	- →	+
Penalty Beam Rule D.7.3	Beam		0,769	
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 =				2,400
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				2,400

Other Measurements recorded by measurer

Overall Length	4,181
Overhang Forward to L	+ 0,547
Overhang Aft to L	+ 0,660
Total Overhang (Sum overhang forward and aft)	→ - 1,207
Waterline Length (Overall Length - Total Overhang)	2,974
Minimum measured cockpit frame over water level when ballasted and swamped in accordance with rule C.5.2	0,050
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



	P = 4,65
Outer point distance	E = 1,96
Forestay height	I = 3,75
Foretriangle base	J = 1,56

Mast measurements checked	OK
Height of mast datum point Rule C.8.2 (b) (2)	36
Boom measurements checked	OK
Rudder thickness, Rule E.4.3	35

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 NORLIN When Built 2009

Measured by TOM BJORNWALL (FYA 0054) Date of Measurement 19.4.2009

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

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

name

CA .....

authority

.....

signature