

# International 2.4 metre Measurement Form

Sail Number .....

ISAF Plaque Number 980.....

Owner.....

Name of yacht .....

Overall length			4.178
Overhang Forward to L1	+ 0.428		
Overhang Aft to L1	+ 0.658	↗	- 1.086
Total overhang			
Measured length			3.094
Girth at Bow	0.312		
Twice Vertical Height at Bow	- 0.240	↗	0.072
O at Bow			
1½ O at Bow			+ 0.108
Girth at Stern	0.887		
Twice Vertical Height at Stern	- 0.517	↗	0.370
O at Stern			
Add 1/3 O at Stern			+ 0.123
Add any penalty at O2		↗	+ 0.231
Sum of Girth difference			
Correct length, L			3.325
Skin girth d to d1 Port	0.733		
Chain girth d to d1 Port	- 0.733	↗	+ 0
d Port			
Skin girth d to d1 Starboard	0.733		
Chain girth d to d1 Starb,	- 0.733	↗	+ 0
d Starboard			
d = d Port + d Starboard			0
2 x d			+ 0
Add to find sum of L + 2d			3.325
Mean freeboard Bow O	+ 0.227		
Mean freeboard Midships D	+ 0.297		
Mean freeboard Stern	+ 0.299	↗	0.923
Sum of freeboards			
F=1/3 sum of freeboards			0.308
F, max 0.292			- 0.292
= L + 2d - F			3.033
Penalty Displacement Rule D.7.2.			
LWL	2.978		
Corr LWL	- 2.978	↗	0
Difference			+ 0
2 x difference			
Penalty Beam Rule D.7.3			
Beam	0.760		
Min beam	- 0.720	↗	0
Deficiency			+ 0
4 x deficiency			
$\sqrt{S}$			+ 2.654
Total of Measurements L + 2d - F + $\sqrt{S}$			5.687
Divide by 2.37 = RATING =			2.400
Penalty Draft Rule D.7.1			
Draft	0.985		
Max draft	- 1.000	↗	+ 0
Excess			
3 x excess			
Penalty Tumble home D.7.4			
Tumble home	0		
Max Tumble home	- 0.015	↗	+ 0
Excess			
3 x excess			
<b>FINAL RATING</b>			<b>2.400</b>

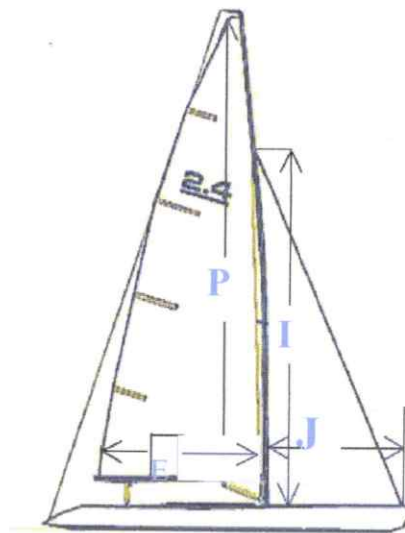
Other measurements recorded by measurer

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  $(0.2 \times \text{LWL} + 0.06)^3 \times 1.025$

	4.178
0.542	
0.658	
	- 1.200
	2.978
	0.05
	254 Kg
	289 Kg
	289 Kg

### Sail Dimensions

$P = 4.650$   
 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 <sup>2</sup>
2.925 m <sup>2</sup>	
	2.486 m <sup>2</sup>
	7.043 m <sup>2</sup>
	2.654

Builder Charger Technology Designer Peter Norlin When Built 2018  
 Measured by R. Fjirstrom Lic. 038 Date of Measurement 25.01.2018  
 Complementary measured by ..... Date of compl measurement.....  
 Certificate issued by ..... Date of issue.....  
 name .....  
 CA .....  
 authority ..... signature .....