

# International 2.4 metre Measurement Form

Sail Number NOR 127

ISAF Plaque Number 800.....

Owner Ove Rørvik

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
= L + 2d - F					- 0,292
Penalty Displacement Rule D.7.2.	LWL				3,031
Corr LWL	Difference	2 x difference		- →	+
Penalty Beam Rule D.7.3	Beam			0,754	
Min beam	Deficiency	4 x deficiency		- 0,720 →	+
√S					+ 2,654
Total of Measurements L + 2d - F + √S					5,685
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 →	+
<b>FINAL RATING</b>					<b>2,400</b>

NOR 127

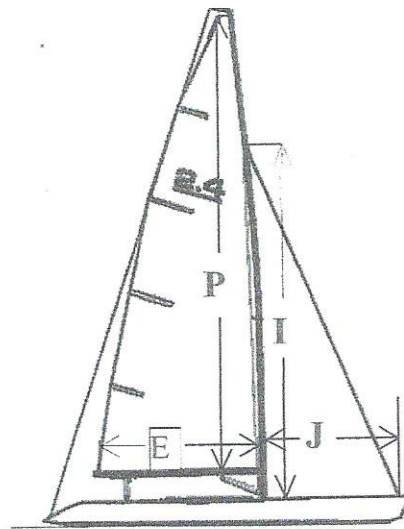
Other Measurements recorded by measurer

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  $(0.2 \times LWL + 0.06)^3 \times 1025$

	4.181
+ 0.547	
+ 0.660	
→	- 1.207
	2.974
	0.050
	254 Kg
	289 Kg
	289 Kg

Sail Dimensions

Outer point distance  $P = 4,650$   
 Forestay height  $E = 1,960$   
 Foretriangle base  $I = 3,750$   
 $J = 1,560$



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

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 Composites* Designer *Peter Norlin* When Built *2012*

Measured by *Esko Hyggpät* Date of Measurement *18/11...-2012*

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

Certificate issued by *Harald Røffnes* Date of issue *30/11-2012*

name  
 CA *Norsk 2.4m R. Klubb*  
 authority

signature  
*Harald Røffnes*

