

# International 2.4 metre Measurement Form

Sail Number NOR 100

ISAF Plaque Number 0273

Owner Ola Herje

Name of yacht .....

Overall length			4.180
Overhang Forward to L1		+ 0.430	
Overhang Aft to L1	Total overhang	+ 0.655	→ -1.085
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			+ 0.108
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 →	+ 0.231
Correct length, L			3.326
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
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 →	0.916
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	- → + 0
Penalty Beam Rule D.7.3	Beam		
Min beam	Deficiency	4 x deficiency	- 0.720 → + 0
√S			+ 2.654
Total of Measurements L + 2d - F + √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 → + 0
Penalty Tumble home D.7.4	Tumble home		
Max Tumble home	Excess	3 x excess	- 0,015 → + 0
<b>FINAL RATING</b>			<b>2.400</b>

NOR 100, ISAF no. 273

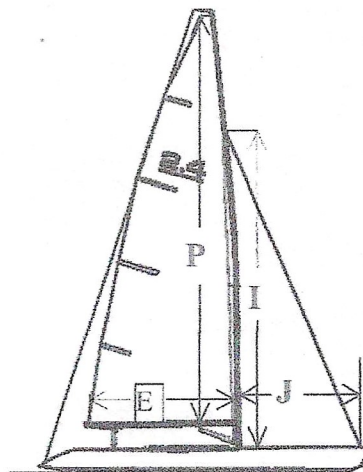
Other Measurements recorded by measurer

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

	4.180
+0.547	
+0.655	
→	-1.202
	2.978
	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	
Height of mast datum point Rule C.8.2 (b) (2)	
Boom measurements checked	
Rudder thickness, Rule E.4.3	

Areas of Sail

Mainsail $0.5 \times P \times E =$	4.557 m <sup>2</sup>
Foretriangle Total $0.5 \times I \times J =$	2.925 m <sup>2</sup>
Foretriangle Total $\times 0.85$	2.486 m <sup>2</sup>
Sail Area For Rating = S =	7.043 m <sup>2</sup>
$\sqrt{S}$	2.654

Builder Vene Björndahl Designer Peter Norlin When Built 1999

Measured by Esko Hyypä Date of Measurement 3/9-1999

Complementary measured by H. Rolfsnes Date of compl measurement 1/9-2010

Certificate issued by Harald Rolfsnes Date of issue 2/5-2022

name Norsk 2.4mR Klubb  
 authority

signature Harald Rolfsnes  
 signature

