International 2.4 metre Measurement Form

Sail Number **N.OR. 112.**   ISAF Plaque Number **0.017.**

Owner **Rafal Rabiega**   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	2.978			
Corr LWL Difference 2 x difference	-2.978 →	0	+ 0	
Penalty Beam Rule D.7.3 Beam	0.750			
Min beam Deficiency 4 x deficiency	-0,720 →	0	+ 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	
FINAL RATING				2.400

Other Measurements recorded by measurer

Overall Length		4.180
Overhang Forward to L	+0.547	
Overhang Aft to L	+0.655	
Total Overhang (Sum overhang forward and aft)	→	-1.202
Waterline Length (Overall Length - Total Overhang)		2.978
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		256 Kg
Boat weight including 35 kg ballast		291 Kg
Minimum weight by Rule D.7.2 $(0.2 \times LWL + 0.06)^3 \times 1025$		289 Kg

Sail Dimensions

	P =	4.650
Outer point distance	E =	1.960
Forestay height	I =	3.750
Foretriangle base	J =	1.560
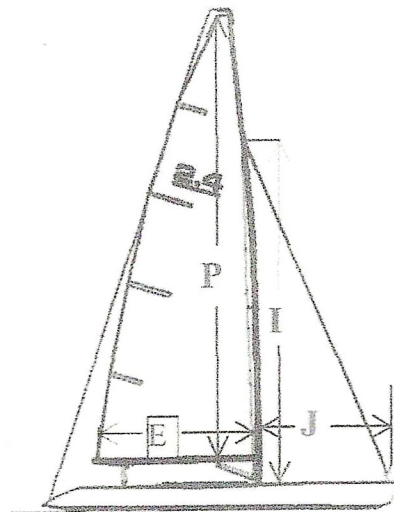
Mast measurements checked	
Height of mast datum point Rule C.8.2 (b) (2)	
Boom measurements checked	
Rudder thickness, Rule E.4.3	

Areas of Sail

Mainsail $0.5 \times P \times E =$		4.557 m²
Foretriangle Total $0.5 \times I \times J =$	2.925 m²	
Foretriangle Total x 0.85		2.468 m²
Sail Area For Rating = S =		7.043 m²
$\sqrt{S}$		2.654

Builder. **Vene Björndahl** Designer **Peter Norlin** When Built **1994**

Measured by **Harald Rolfsnes** Date of Measurement **6/9-2010**

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

Certificate issued by **Harald Rolfsnes** Date of issue **12/10 - 2023**

name **Norsk 2.4m R Klubb**

CA authority

signature

Norsk 2.4mR Klubb