

International 2.4 metre Measurement Form

Sail Number NOR 114

ISAF Plaque Number 469

Owner Harald Rolfsnes

Name of yacht Sirius II

Overall length			4.179
Overhang Forward to L1	+ 0.426		
Overhang Aft to L1	+ 0.658	→ - 1.084	
Measured length			3.095
Girth at Bow	0.313		
Twice Vertical Height at Bow	- 0.240	→ 0.073	
1½ O at Bow		+ 0.109	
Girth at Stern	0.892		
Twice Vertical Height at Stern	- 0.525	→ 0.367	
Add 1/3 O at Stern		+ 0.122	
Add any penalty at O2		+ → + 0.231	
Sum of Girth difference			
Correct length, L			3.326
Skin girth d to d1 Port	0.422		
Chain girth d to d1 Port	- 0.422	→ + 0	
d Port			
Skin girth d to d1 Starboard	0.420		
Chain girth d to d1 Starb,	- 0.420	→ + 0	
d Starboard			
d = d Port + d Starboard		0	+ 0
2 x d			
Add to find sum of L + 2d			3.326
Mean freeboard Bow O	+ 0.320		
Mean freeboard Midships D	+ 0.293		
Mean freeboard Stern	+ 0.298	→ 0.911	
Sum of freeboards			
F=1/3 sum of freeboards		0.304	- 0.292
F, max 0.292			
= L + 2d - F			3.034
Penalty Displacement Rule D.7.2.			
LWL	298		
Corr LWL	- 2.98	→ 0	+ 0
Difference			
2 x difference			
Penalty Beam Rule D.7.3			
Beam	0.763		
Min beam	- 0.720	→ 0	+ 0
Deficiency			
4 x deficiency			
√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	- 1,000	→	+ 0
Excess			
3 x excess			
Penalty Tumble home D.7.4			
Tumble home			
Max Tumble home	- 0,015	→	+ 0
Excess			
3 x excess			
FINAL RATING			2.400

Other Measurements recorded by measurer

NOR 114

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

	4.179
+ 0.541	
+ 0.658	
→	- 1.199
	2.980
	256 Kg *
	291 Kg *
	289 Kg

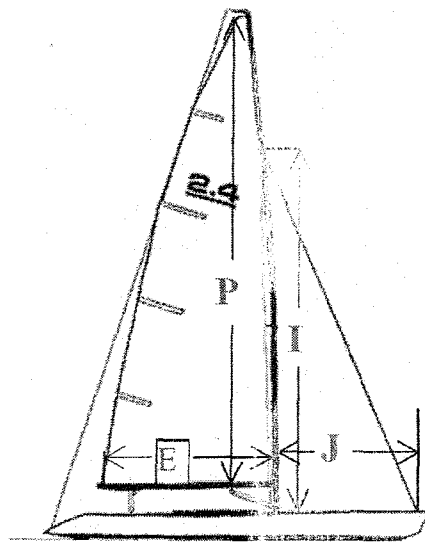
Sail Dimensions

P = 4.65

Outer point distance E = 1.96

Forestay height I = 3.75

Foretriangle base J = 1.56



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

Areas of Sail

Mainsail $0.5 \times P \times E =$

	4.557 m ²
2.925 m ²	

Foretriangle Total $0.5 \times I \times J =$

Foretriangle Total $\times 0.85$

Sail Area For Rating = S =

\sqrt{S}

2.486 m ²
4.043 m ²
2.654

Builder Vene-Bjorndahl Designer Peter Norlin When Built 2005

Measured by Ole Eide Date of Measurement 12-4-10

Complementary measured by Ole Eide* Date of compl measurement 4-5-10

Certificate issued by Ole Eide Date of issue 18-5-10

name
 CA Norwegian 2.4mR klubb
 authority

signature