

# International 2.4 metre Measurement Form



Name of Yacht ..... ISAF Plaque Number 427

Sail Number FIN-127 Owner Rikard Björnsdóttir

Overall length

Add Overhang Forward to L1  
Overhang Aft to L1

Total Overhang

Measured Length (Overall length - Total Overhang)

Girth at Bow  
Twice Vertical Height at Bow

O at Bow

Add 1½ O at Bow

Subtract Girth at Stern  
Twice vertical Height at Stern

O at stern

Add ½ O at Stern

Add any penalty at O2

Correct length, L

Skin girth d to d1 Port  
- Chain girth d to d1 Port

= Girth difference Port

Skin girth d to d1 Starboard  
- Chain girth d to d1 Starboard  
Girth difference Starboard

Add girth difference Port and Starboard

2 x sum of Girth difference

Add to find sum of L + 2d

Add Mean freeboard Bow O  
Mean freeboard Midships D  
Mean freeboard Stern O & O2

Sum of Freeboards

Subtract ½ sum freeboard, F (max 0.292)

= L + 2d - F

√S

Total of Measurements L + 2d - F + √S

Divide by 2.37 = RATING =

|         |         |         |
|---------|---------|---------|
|         | 4.182   |         |
| 0.432   |         |         |
| 0.655   |         |         |
|         | ⇒ 1.087 |         |
|         | 3.095   |         |
| 0.312   |         |         |
| 0.240   |         |         |
| 0.072   |         |         |
|         | 1.108   |         |
| 0.898   |         |         |
| 0.529   |         |         |
| 0.569   |         |         |
|         | 0.123   |         |
|         |         |         |
|         | ⇒ 3.326 |         |
| .       |         |         |
| - .     |         |         |
|         | ⇒ .     |         |
| .       |         |         |
| .       |         |         |
| .       | ⇒ .     |         |
|         |         |         |
|         |         |         |
| 0.327   |         |         |
| + 0.291 |         |         |
| + 0.290 |         |         |
| 0.916   |         |         |
|         | ⇒       | - 0.292 |
|         |         | 3.034   |
|         |         | 2.654   |
|         |         | 5.688   |
|         |         | 2.400   |

# OTHER MEASUREMENTS RECORDED BY MEASURER

Overall Length

Overhang Forward to L  
Overhang Aft to L

Total Overhang (Sum overhang forward & aft)

Waterline Length (Overall length - Total Overhang)

Beam at 1/2 Height of Midship Freeboard

Tumblehome

Minimum measured freeboard when ballasted and swamped in accordance with Rule 8.2

Weight recorded by weighing in measurer's presence (Including 35kg ballast)

Minimum weight required by Rule  $(0.2 \times \text{LWL} + 0.06)^3 \times 1.025$

|                  |        |
|------------------|--------|
|                  | 4.182  |
| 0.549<br>+ 0.655 |        |
| ⇒ - 1.204        |        |
|                  | 2.978  |
|                  | 0.750  |
|                  | .      |
|                  | 0.05   |
|                  | 289 kg |
|                  | 289 kg |

LOT 20.6  
17

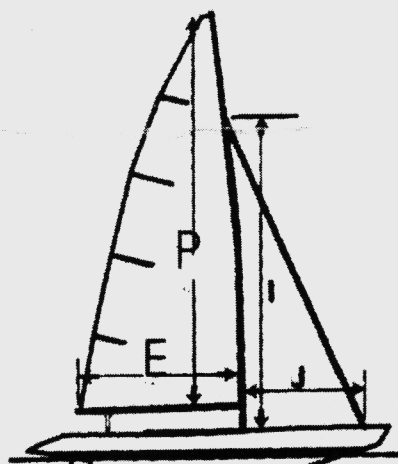
## Sail Dimensions

P = 4.650

E = 1.960

I = 3.750

J = 1.560



## 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  $= S =$

$\sqrt{S}$

|                      |                      |
|----------------------|----------------------|
| 2.925 m <sup>2</sup> | 4.557 m <sup>2</sup> |
|                      | 2.486 m <sup>2</sup> |
|                      | 7.043 m <sup>2</sup> |
|                      | 2.654                |

Builder Vene-Björndahl, Kokkola FINLAND

Designer Peter Norlin

When Built 06/2004

Measured by J. All

Date of Measurement 28.5.2004

International Sailing Federation Effective: July 1999

Jarkko Oksanen  
10.1.2005

