

International 2.4 metre Measurement Form



Name of Yacht ISAF Plaque Number: 358.....

Sail Number **22** Owner: Gillian Guinness

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 1/3 sum freeboard, F (max 0.292)

= L + 2d - F

\sqrt{S}

Total of Measurements L + 2d - F + \sqrt{S}

Divide by 2.37 = RATING =

	4.180	
0.430		
0.655		
	⇒ 1.085	
	3.095	
0.312		
0.240		
0.072		
	0.108	
0.898		
0.529		
0.369		
	0.123	
	⇒ 3.326	
	⇒	
	⇒	
+	0.327	
+	0.291	
+	0.298	
	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 1/3 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 $(0.2 \times LWL + 0.06)^3 \times 1.025$

	4.180
0.547 + 0.655	
⇒ - 1.202	
	2.978
	0.752
	-
	0.050
	(260)* 295 kg
	289 kg

* (66kg+14kg+180kg)

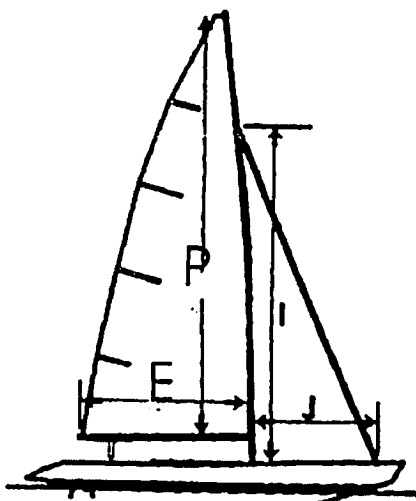
Sail Dimensions

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 =

2.925 m²	4.557 m²
	2.486 m²
	7.043 m²
	2.654

\sqrt{S}

Builder : Vene Björndahl Kokkola Finland
When Built : 03.2002

Designer: Peter Norlin Mark III

Measured by Esko Hyypä Date of Measurement : 20.03.2002
Esko Hyypä FYA lic.n:o 0019