



# International 2.4 metre Measurement Form

Name of Yacht ..... *Blue Dolphin* ..... ISAF Plaque Number: 420.....

Sail Number: *GER 8* ..... Owner :

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 1/2 O at Bow

Subtract Girth at Stern  
Twice vertical Height at Stern

O at stern

Add 1/3 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

International Sailing Federation Effective: July 1999



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  $(0.2 \times LWL + 0.06)^3 \times 1.025$

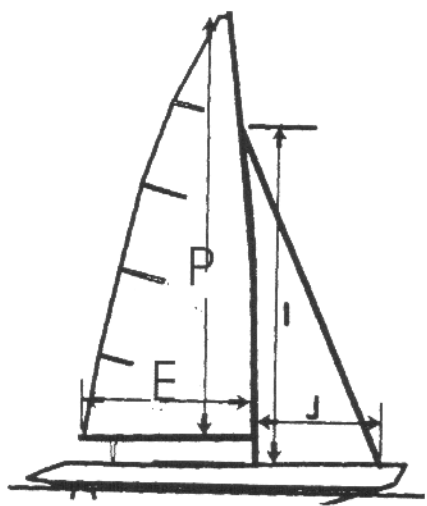
	4.180
+ 0.547 + 0.655	
	⇒ - 1.202
	2.978
	0.752
	0.050
	(260)* 295 kg
	289 kg

\* (68kg+14kg+178kg)

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 m <sup>2</sup>	4.557 m <sup>2</sup>
	2.486 m <sup>2</sup>
	7.043 m <sup>2</sup>
	2.654

$\sqrt{S}$

Builder : Vene Björndhal Kakkola Finland  
When Built : 07.2003

Designer: Peter Norlin Mark III

Measured by Esko Hyypä Date of Measurement : 16.7.2003.....  
Esko Hyypä FYA lic.n:o 0019