International 2.4 metre Measurement Form

Sail Number ..... ISAF Plaque Number SCANDSF 114

Owner..... Name of yacht .....

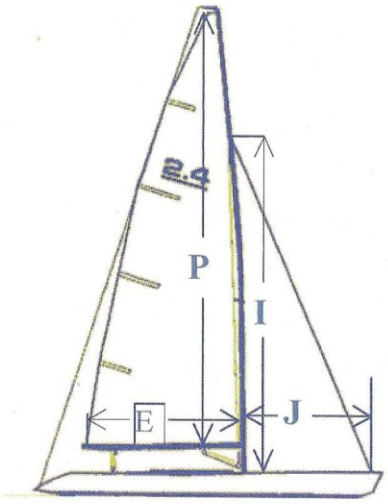
Overall length				4,182
Overhang Forward to L1			+ 0,430	
Overhang Aft to L1	Total overhang		+ 0,635 →	- 1.065
Measured length				3.117
Girth at Bow			0,312	
Twice Vertical Height at Bow	O at Bow		- 0,240 →	0,072
1½ O at Bow				+ 0,108
Girth at Stern			0,864	
Twice Vertical Height at Stern	O at Stern		- 0,520 →	0,344
Add 1/3 O at Stern				+ 0,115
Add any penalty at O2	Sum of Girth difference			+ 0 → +0,223
Correct length, L				3,340
Skin girth d to d1 Port			0,715	
Chain girth d to d1 Port	d Port		- 0,715 →	+ 0
Skin girth d to d1 Starboard			0,715	
Chain girth d to d1 Starb,	d Starboard		- 0,715 →	+ 0
d = d Port + d Starboard	2 x d			+ 0
Add to find sum of L + 2d				3,340
Mean freeboard Bow O			+ 0,323	
Mean freeboard Midships D			+ 0,296	
Mean freeboard Stern	Sum of freeboards		+ 0,300 →	0,919
F=1/3 sum of freeboards	F, max 0.292			- 0,292
= L + 2d - F				3,048
Penalty Displacement Rule D.7.2.	LWL			
Corr LWL	Difference	2 x difference	- →	+ 0
Penalty Beam Rule D.7.3	Beam		0,876	
Min beam	Deficiency	4 x deficiency	- 0,720 →	+ 0
$\sqrt{S}$				+ 2,641
Total of Measurements L + 2d - F + $\sqrt{S}$				5,689
Divide by 2.37 = RATING =				2.400
Penalty Draft Rule D.7.1	Draft		1.000	
Max draft	Excess	3 x excess	- 1,000 →	+ 0
Penalty Tumble home D.7.4	Tumble home		0	
Max Tumble home	Excess	3 x excess	- 0,015 →	+ 0
FINAL RATING				2.400

PL

Other Measurements recorded by measurer

Overall Length	4,182
Overhang Forward to L	+ 0,543
Overhang Aft to L	+ 0,655
Total Overhang (Sum overhang forward and aft)	→ - 1,198
Waterline Length (Overall Length - Total Overhang)	2,984
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	255 Kg
Boat weight including 35 kg ballast	290 Kg
Minimum weight by Rule D.7.2 $(0.2 \times LWL+0.06)^3 \times 1.025$	290 Kg

Sail Dimensions



	P =	4,580
Outer point distance	E =	1,960
Forestay height	I =	3,750
Foretriangle base	J =	1,560

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

Areas of Sail

Mainsail 0.5 x P x E =	4.488 m^2
Foretriangle Total 0.5 x I x J =	2.925 m^2
Foretriangle Total x 0.85	2.486 m^2
Sail Area For Rating = S =	6.975 m^2
$\sqrt{S}$	2,641

Rene-Bjorndahl

Builder IMMA Designer NORLIN When Built 1991

Measured by PER LINDELL, SWE724 Date of Measurement 18-10-14

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

Certificate issued by ..... Date of issue.....

name

CA .....

authority

.....

signature

PL