International 2.4 metre Measurement Form

Sail Number FIN 141 ISAF Plaque Number 483

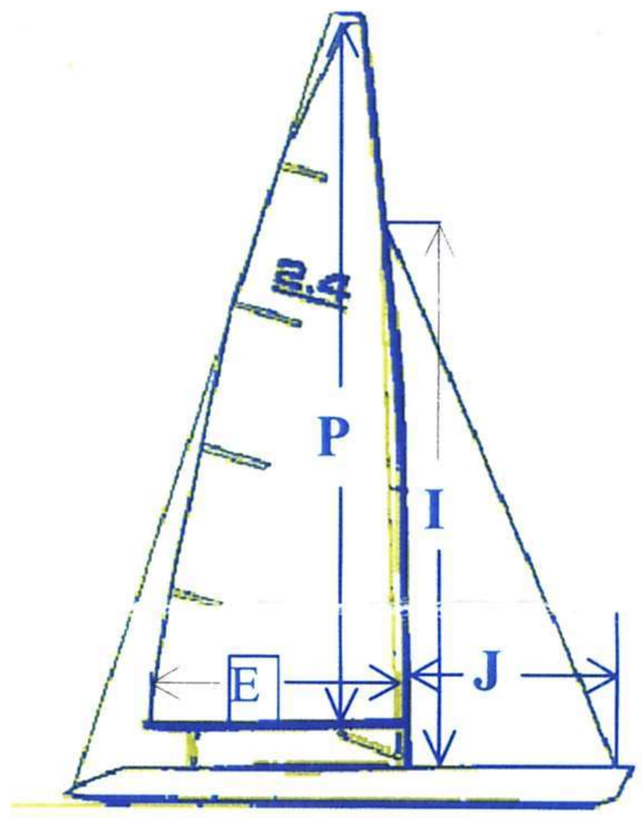
Owner Kenneth Palmgren Name of yacht .....

Overall length				4180
Overhang Forward to L1			+ 0,430	
Overhang Aft to L1	Total overhang		+ 0,655	→ - 1085
Measured length				3095
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			0.898	
Twice Vertical Height at Stern	O at Stern		- 0.529 →	0.369
Add 1/3 O at Stern				+ 0.123
Add any penalty at O2	Sum of Girth difference			+ → + 0.231
Correct length, L				3.326
Skin girth d to d1 Port				
Chain girth d to d1 Port		d Port	- →	+
Skin girth d to d1 Starboard				
Chain girth d to d1 Starb,		d Starboard	- →	+
d = d Port + d Starboard		2 x d		+
Add to find sum of L + 2d				
Mean freeboard Bow O			+ 0.327	
Mean freeboard Midships D			+ 0,291	
Mean freeboard Stern	Sum of freeboards		+ 0.298 →	0.916
F=1/3 sum of freeboards	F, max 0.292			0.305 - 0.292
= L + 2d - F				3034
Penalty Displacement Rule D.7.2.		LWL		
Corr LWL	Difference	2 x difference	- →	+
Penalty Beam Rule D.7.3		Beam		
Min beam	Deficiency	4 x deficiency	- 0,720 →	+
√S				+ 2654
Total of Measurements L + 2d - F + √S				5688
Divide by 2.37 = RATING =				2400
Penalty Draft Rule D.7.1		Draft		
Max draft	Excess	3 x excess	- 1,000 →	+
Penalty Tumble home D.7.4		Tumble home		
Max Tumble home	Excess	3 x excess	- 0,015 →	+
FINAL RATING				2.400

Other Measurements recorded by measurer

Overall Length	4180
Overhang Forward to L	+0.547
Overhang Aft to L	+0.655
Total Overhang (Sum overhang forward and aft)	→ -1202
Waterline Length (Overall Length - Total Overhang)	2978
Minimum measured cockpit frame over water level when ballasted and swamped in accordance with rule C.5.2	0.06
Boat weight recorded by weighing according to rule C.5.1	254 Kg
Boat weight including 35 kg ballast	289 Kg
Minimum weight by Rule D.7.2 $(0.2\text{xLWL}+0.06)^3$ x 1.025	289 Kg

Sail Dimensions



	P =	4650
Outer point distance	E =	1960
Forestay height	I =	3750
Foretriangle base	J =	1560

Mast measurements checked	ok
Height of mast datum point Rule C.8.2 (b) (2)	ok
Boom measurements checked	ok
Rudder thickness, Rule E.4.3	29

Areas of Sail

Mainsail 0.5 x P x E =	4.557 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 =	7.043 m^2
$\sqrt{S}$	2.654

Builder Vene-Björndahl Designer Peter Norlin When Built 2006

Measured by FYA lic. 048 Date of Measurement 28.04.06

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

Certificate issued by ..... Date of issue 15.5.2006

name
CA FYA
authority

signature

FINLANDS SEGELFÖRBUND SUOMEN PURJEHTILIITTO