International 2.4 metre Measurement Form

Sail Number *NOR 128*   ISAF Plaque Number *770*

Owner *Bjørn Roar Pettersen*   Name of yacht ....

Overall length				4,181
Overhang Forward to L1	+0,429			
Overhang Aft to L1	Total overhang	+0,660	→	-1,089
Measured length				3,092
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				3,323
Skin girth d to d1 Port				
Chain girth d to d1 Port	d Port	- →	+	0
Skin girth d to d1 Starboard				
Chain girth d to d1 Starb,	d Starboard	- →	+	0
d = d Port + d Starboard	2 x d		+	
Add to find sum of L + 2d				3,323
Mean freeboard Bow O	+0,327			
Mean freeboard Midships D	+0,292			
Mean freeboard Stern	Sum of freeboards	+0,298 →	0,917	
F=1/3 sum of freeboards	F, max 0.292		0,306	-0,292
= L + 2d - F				3,031
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				+2,654
Total of Measurements L + 2d - F + √S				5,685
Divide by 2.37 = RATING =				2,399
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				2,399

Other Measurements recorded by measurer

Overall Length		4.181
Overhang Forward to L	+0.547	
Overhang Aft to L	+0.660	
Total Overhang (Sum overhang forward and aft)	→	-1.207
Waterline Length (Overall Length - Total Overhang)		2.974
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		254 Kg
Boat weight including 35 kg ballast		289 Kg
Minimum weight by Rule D.7.2 $(0.2 \times LWL + 0.06)^3 \times 1025$		288 Kg

Sail Dimensions

$$P = 4.650$$
Outer point distance $\quad E = 1.960$
Forestay height $\qquad\quad I = 3.750$
Foretriangle base $\qquad\; J = 1.560$
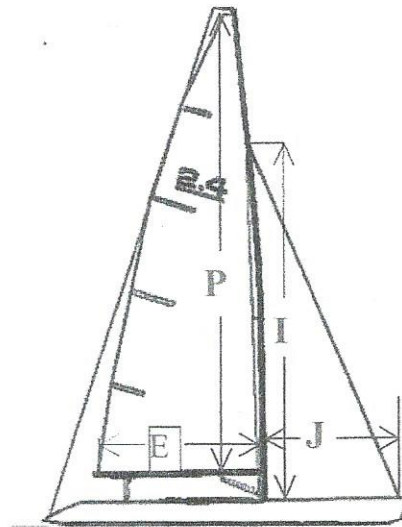
Mast measurements checked	
Height of mast datum point Rule C.8.2 (b) (2)	
Boom measurements checked	
Rudder thickness, Rule E.4.3	

Areas of Sail

Mainsail $0.5 \times P \times E =$		$4.557\,\text{m}^2$
Foretriangle Total $0.5 \times I \times J =$	$2.925\,\text{m}^2$	
Foretriangle Total x 0.85		$2.486\,\text{m}^2$
Sail Area For Rating = S =		$7.043\,\text{m}^2$
$\sqrt{S}$		2.654

Builder *Charger Composites* Designer *Peter Norlin* When Built *2011*

Measured by *Tom Björndahl (FYA 0054)* Date of Measurement *10/3-2011*

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

Certificate issued by *H. Rolfsnes* Date of issue *2/11-2017*

name *Norsk 2.4m R Klubb*

CA authority

signature