

International 2.4 metre Measurement Form

Sail Number NOR 145

ISAF Plaque Number 996

Owner Frank Inge Huth

Name of yacht

Overall length			4.178
Overhang Forward to L1		+ 0.429	
Overhang Aft to L1	Total overhang	+ 0.654	→ -1.083
Measured length			3.095
Girth at Bow		0.313	
Twice Vertical Height at Bow	O at Bow	- 0.240 →	0.073
1½ O at Bow			+ 0.110
Girth at Stern		0.888	
Twice Vertical Height at Stern	O at Stern	- 0.526 →	0.362
Add 1/3 O at Stern			+ 0.121
Add any penalty at O2	Sum of Girth difference		+ 0.000 → + 0.231
Correct length, L			3.326
Skin girth d to d1 Port		0.733	
Chain girth d to d1 Port	d Port	- 0.733 →	+ 0.000
Skin girth d to d1 Starboard		0.733	
Chain girth d to d1 Starb,	d Starboard	- 0.733 →	+ 0.000
d = d Port + d Starboard	2 x d		0.000 + 0.000
Add to find sum of L + 2d			3.326
Mean freeboard Bow O		+ 0.327	
Mean freeboard Midships D		+ 0.291	
Mean freeboard Stern	Sum of freeboards	+ 0.299 →	0.917
F=1/3 sum of freeboards	F, max 0.292		0.306 - 0.292
= L + 2d - F			3.034
Penalty Displacement Rule D.7.2.	LWL	2.980	
Corr LWL	Difference	- 2.980 →	0.000 + 0.000
Penalty Beam Rule D.7.3	Beam	0.750	
Min beam	Deficiency	- 0.720 →	- 0.030 + 0.000
√S			+ 2.654
Total of Measurements L + 2d - F + √S			5.688
Divide by 2.37 = RATING =			2.400
Penalty Draft Rule D.7.1	Draft	0.986	
Max draft	Excess	- 1.000 →	- 0.014 + 0.000
Penalty Tumble home D.7.4	Tumble home	0.000	
Max Tumble home	Excess	- 0.015 →	- 0.015 + 0.000
FINAL RATING			2.400

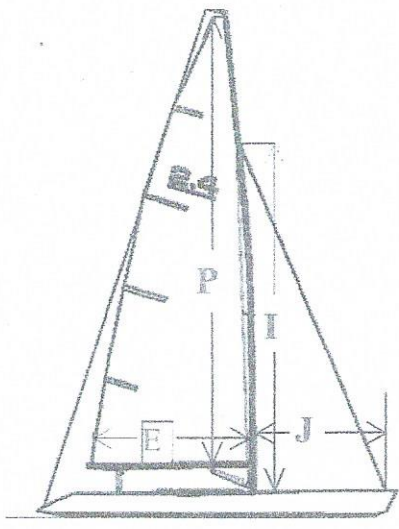
Other Measurements recorded by measurer

Overall Length
 Overhang Forward to L
 Overhang Aft to L
 Total Overhang (Sum overhang forward and aft)
 Waterline Length (Overall Length - Total Overhang)
 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
 Boat weight including 35 kg ballast
 Minimum weight by Rule D.7.2 $(0.2 \times LWL + 0.06)^3 \times 1025$

	4.478
+ 0.544	
+ 0.654	
→	-1.198
	2.980
	0.050
	254 Kg
	289 Kg
	289 Kg

Sail Dimensions

Outer point distance $P = 4.650$
 Forestay height $E = 1.960$
 Foretriangle base $I = 3.750$
 $J = 1.560$



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	OK.

Areas of Sail

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

Builder Oy. KAPH Group Ab. Designer Peter Norlin When Built 2020

Measured by Rikard Bjurström Date of Measurement 13/4-2020
SFBF 38

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

Certificate issued by Harald Rolfsnes Date of issue 5/6-2020

name
 authority Norsk 2.4m R Klubb

signature Harald Rolfsnes

