

International 2.4 metre Measurement Form

Sail Number NEO 27

ISAF Plaque Number 699

0123323

Owner: P.J. Hanse
Spuiweg 4
4318 AP BROUERSHAVEN

Name of yacht

Overall length				4,181
Overhang Forward to L1	+ 0,429			
Overhang Aft to L1	+ 0,660		→ - 1,089	
Total overhang				
Measured length				3,092
Girth at Bow	0,312			
Twice Vertical Height at Bow	- 0,240	→	0,072	
O at Bow				
1½ O at Bow			+ 0,108	
Girth at Stern	0,898			
Twice Vertical Height at Stern	- 0,529	→	0,369	
O at Stern				
Add 1/3 O at Stern			+ 0,123	
Add any penalty at O2			+ - →	+ 0,231
Sum of Girth difference				
Correct length, L				3,323
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				3,323
Mean freeboard Bow O	+ 0,327			
Mean freeboard Midships D	+ 0,292			
Mean freeboard Stern	+ 0,298	→	0,917	
Sum of freeboards				
F = 1/3 sum of freeboards			0,306	- 0,292
F, max 0.292				
= L + 2d - F				3,034
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	0,768
√S				
Total of Measurements L + 2d - F + √S				- 0,720 → +
Divide by 2.37 = RATING =				+ 2,654
Penalty Draft Rule D.7.1		Draft		5,685
Max draft		Excess	3 x excess	2,400
Penalty Tumble home D.7.4		Tumble home		
Max Tumble home		Excess	3 x excess	- 1,000 → +
FINAL RATING				- 0,015 → +
				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

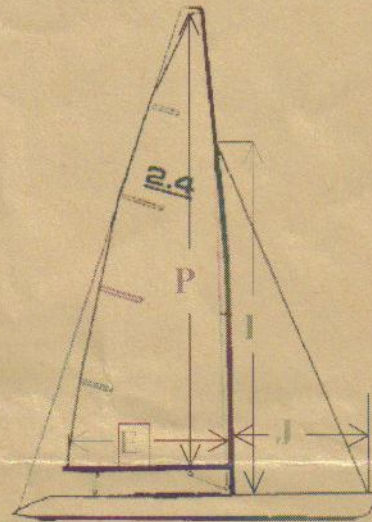
Boat weight including 35 kg ballast

Minimum weight by Rule D.7.2 $(0.2 \times LWL + 0.06)^3 \times 1025$

	4,181
+ 0,547	
+ 0,660	
→	-1,202
	2,174
	0,050
	254 Kg
	289 Kg
	289 Kg

Sail Dimensions

Outer point distance $P = 4,65$
 Forestay height $E = 1,96$
 Foretriangle base $I = 3,75$
 $J = 1,56$



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 $0.5 \times P \times E =$

Foretriangle Total $0.5 \times I \times J =$

Foretriangle Total $\times 0.85$

Sail Area For Rating = $S =$

\sqrt{S}

	4,557 m ²
2,925 m ²	
	2,486 m ²
	7,043 m ²
	2,654

Builder CHALLENGER COMPOSITES Designer NORLIN When Built 2009

Measured by TOM BISHOP Date of Measurement 25.11.2009
 (FIA 0074)

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

Certificate issued by Date of issue.....

name

CA

authority

signature