

International 2.4 metre Measurement Form

Sail Number GER 674

ISAF Plaque Number 674

Owner Mathias Kortke

Name of yacht Zund4zig

Overall length			4,181
Overhang Forward to L1	+0,429		
Overhang Aft to L1	+0,660	→	-1,089
Measured length			3,072
Girth at Bow	0,312		
Twice Vertical Height at Bow	-0,240	→	0,072
1½ O at Bow			+0,108
Girth at Stern	0,878		
Twice Vertical Height at Stern	-0,529	→	0,349
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	- 0 →	+ 0
Skin girth d to d1 Starboard			
Chain girth d to d1 Starb,	d Starboard	- 0 →	+ 0
d = d Port + d Starboard	2 x d		+ 0
Add to find sum of L + 2d			3,323
Mean freeboard Bow O	+0,322		
Mean freeboard Midships D	+0,292		
Mean freeboard Stern	+0,215	→	0,917
F=1/3 sum of freeboards			0,306
P, max 0.292			-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			+2,054
Total of Measurements L + 2d - F + √S			5,685
Divide by 2.37 = RATING =			2,400
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

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 $(0.2 \times LWL + 0.06)^3 \times 1025$

	4.151
+0.557	
+0.666	
→	-1.1207
	2.974
	0.050
	254 Kg
	287 Kg
	289 Kg

Sail Dimensions

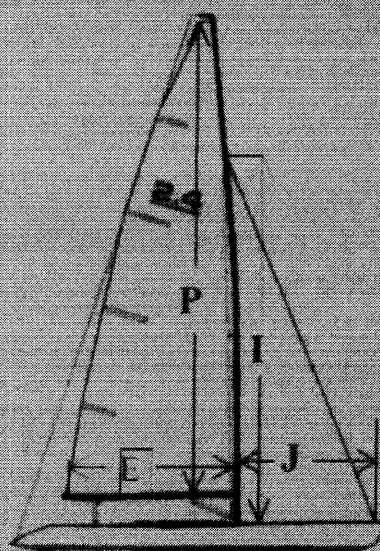
P = 4.65

Outer point distance E = 1.90

Forestay height I = 3.75

Foretriangle base J = 1.52

Mast measurements checked	OK
Height of mast datum point	OK
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
	2.643 m ²
	2.654

Builder CHARVEX COMPOSITES Designer NORLIN When Built 2007

Measured by Jan Nijhuis Date of Measurement 23.02.2009
(FVA 6054)

Complementary measured by Date of compl measurement

Certificate issued by 70^{er} FEDER Date of issue 02 MAY 2010
name SECRETARY

CA GERMANY

