International 2.4 metre Measurement Form

Sail Number GER 300 ISAF Plaque Number 752

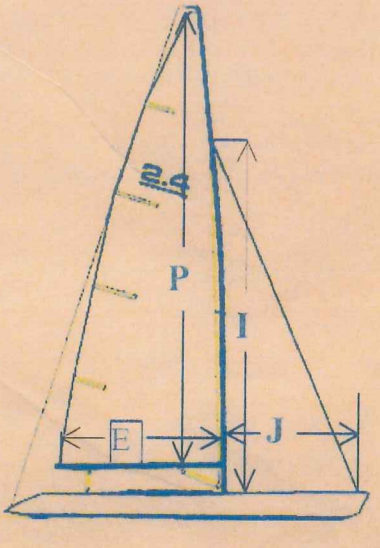
Owner Heiko Kröger Name of yacht .....

Overall length				4180
Overhang Forward to L1			+ 0430	
Overhang Aft to L1	Total overhang		+ 0655 →	- 1085
Measured length				3095
Girth at Bow			0312	
Twice Vertical Height at Bow	O at Bow		- 0,240 →	0072
1½ O at Bow				+ 0108
Girth at Stern			0898	
Twice Vertical Height at Stern	O at Stern		- 0529 →	0369
Add 1/3 O at Stern				+ 0123
Add any penalty at O2	Sum of Girth difference		+ →	+ 3326
Correct length, L				
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			+ 0327	
Mean freeboard Midships D			+ 0291	
Mean freeboard Stern	Sum of freeboards		+ 0298 →	0916
F=1/3 sum of freeboards	F, max 0.292			- 0292
= 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 →	+
$\sqrt{S}$				+ 2654
Total of Measurements L + 2d - F + $\sqrt{S}$				5688
Divide by 2.37 = RATING =				
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				2400

Other Measurements recorded by measurer

Overall Length	4180
Overhang Forward to L	+0547
Overhang Aft to L	+0655
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	
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 $(0.2 \times LWL + 0.06)^3 \times 1.025$	289 Kg

Sail Dimensions



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

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 x P x E =	4557 m^2
Foretriangle Total 0.5 x I x J =	2925 m^2
Foretriangle Total x 0.85	2486 m^2
Sail Area For Rating = S =	7043 m^2
$\sqrt{S}$	2654

Builder Charger Composites Designer Peter Norlin When Built 2011

Measured by Jens Hannemann IM Date of Measurement 16.06.2011

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

Certificate issued by Jens Hannemann Date of issue 16.06.2011

name

CA .....

authority

German 2.4mR CA

Mathias Kortke

M. Kortke 29th July 2016

Deutsche 2.4mR Klassenvereinigung e.V.

.....

signature

Jens Hannemann
DSV-Vermesser
ISCYRA – Certified Measurer
Gudewerdtstraße 36
D-24340 Eckernförde