

# International 2.4 metre Measurement Form

Sail Number GER 675

ISAF Plaque Number 675

Owner DBS

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 →	+ 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		+ 0,327	
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
= L + 2d - F			- 0,292
Penalty Displacement Rule D.7.2.	LWL		3,034
Corr LWL	Difference	- - →	+ -
Penalty Beam Rule D.7.3	Beam	0,769	
Min beam	Deficiency	- 0,720 →	+
√S			+ 2,654
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	- 1,000 →	+
Penalty Tumble home D.7.4	Tumble home		
Max Tumble home	Excess	- 0,015 →	+
<b>FINAL RATING</b>			<b>2,408</b>



## 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  $(0.2 \times \text{LWL} + 0.06)^3 \times 1025$

	4,181
+0,547	
+0,660	
→	-1,207
	2,974
	0,058
	254 Kg
	289 Kg
	289 Kg

## Sail Dimensions

P = 4.65

Outer point distance

E = 1.96

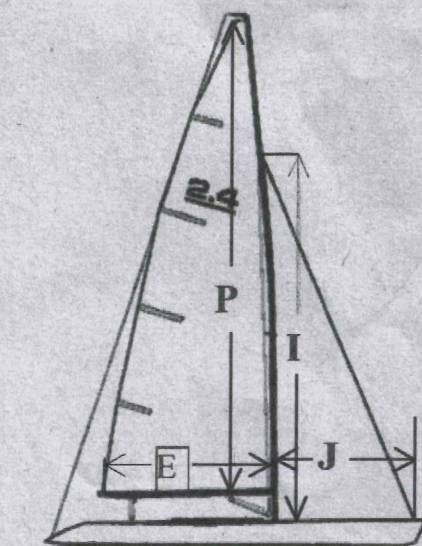
Forestay height

I = 3.75

Foretriangle base

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  $0.5 \times P \times E =$

4,557 m<sup>2</sup>

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

2,925 m<sup>2</sup>

Foretriangle Total  $\times 0.85$

2,486 m<sup>2</sup>

Sail Area For Rating = S =

7,043 m<sup>2</sup>

$\sqrt{S}$

2,654

Builder CHARGER COMPOSITES Designer NORLIN When Built 2009

Measured by Ben Muehl Date of Measurement 23.02.2009  
(FYA 0054)

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

Certificate issued by Mathias Kortke Date of issue 14.06.2017

name German 2.4mRCA

CA Mathias Kortke

