

INTERNATIONAL A -CATAMARAN MEASUREMENT CERTIFICATE

This form is the certificate required as per the International Sailing Federation Rule 78

General Calculation Form

Boat information:

Manufacturer's Name: _____ PESA
(Company)

Designer: Saarberg/Klok

Date Manufactured: _____ dec-12

Yacht Name: _____

Sail Number DEN 13

First owners name and address:

First Name: Lars

Last name: Schroeder

Address: Trandagervaenget 6

State: Denn Netherlands

City / Zip Code _____ 7000 Fredericia

Yacht Club: _____

Calculation for five different mast and sail combinations

Combination		I	II	III	IV	V
Mast Serial N°						
Boom Serial N°						
Mast Area	MA [m2]	1,5142				
Boom Area	BA [m2]	0				
Sail Area	SA [m2]	12,3697				
Total Area (max.13.94 m2)	RA [m2]	13,8839				
Black Band Distance	BD [m]	8,8205				
Distance from Base	L2 [m]	0,2195				
Total Weight	[kg]					
Correcting Weight	[kg]					
Date						
Measurer's Initial						

Calculation for: BD = $A + 2 \times ((13.94 - RA) / P)$ A, P Page 3

L2 = $L - L1 - BD$ L, L1 Page 4

Note: If $L2 < 0$, then Black Band must be placed at base.

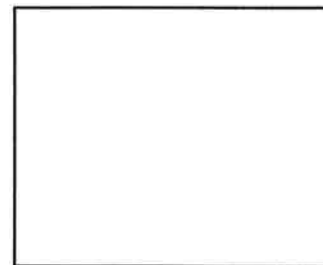


Date of Measurement: 27-05-201. 27-5-2013

Measurer's Name: P. Saarberg

Appointed by: Watersportverbond

Measurer's Signature:

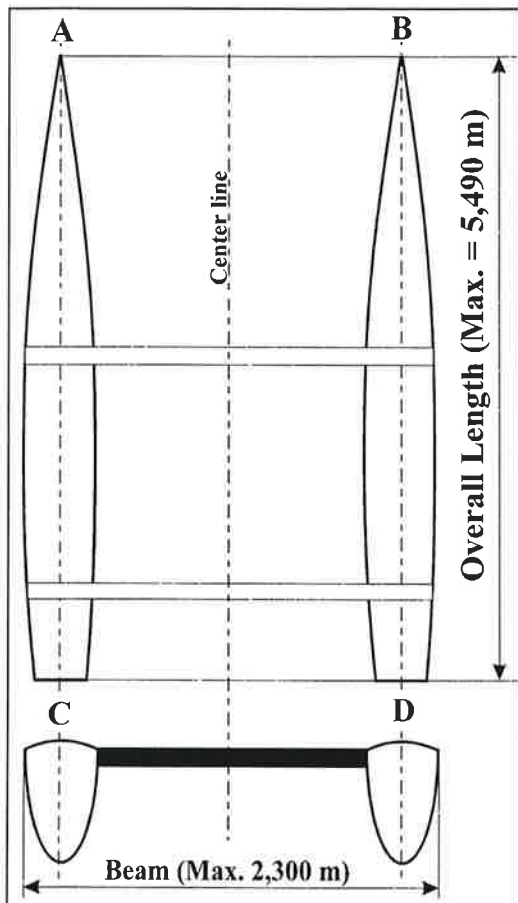


Issuing Authority (Stamp)

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Hull Measurement Form



Measurement	
Overall Length max. 5.490 m	
Measured [m]	5,490
Overall Beam max. 2.300 m	
Measured [m]	2.30
Identification	
Hull N°	
I.Y.R.U. Plaquet	
Color	White
Builder	A.H.P.C.
Material	CRV

Buoyancy
to be certified by boats builder
Date of Certificate: _____
For boats built from 1st January 1998 on
Complete boat's weight plus min.
75 kg positive buoyancy,
distributed equally on each hull.

Measurers Declaration:

I declare that I have measured this boat and that it complies with all the class rules.

Comment:



Date of Measurement: _____ 27-5-2013
 Measurer's Name: P. Saarberg
 Appointed by: Watersportverbond

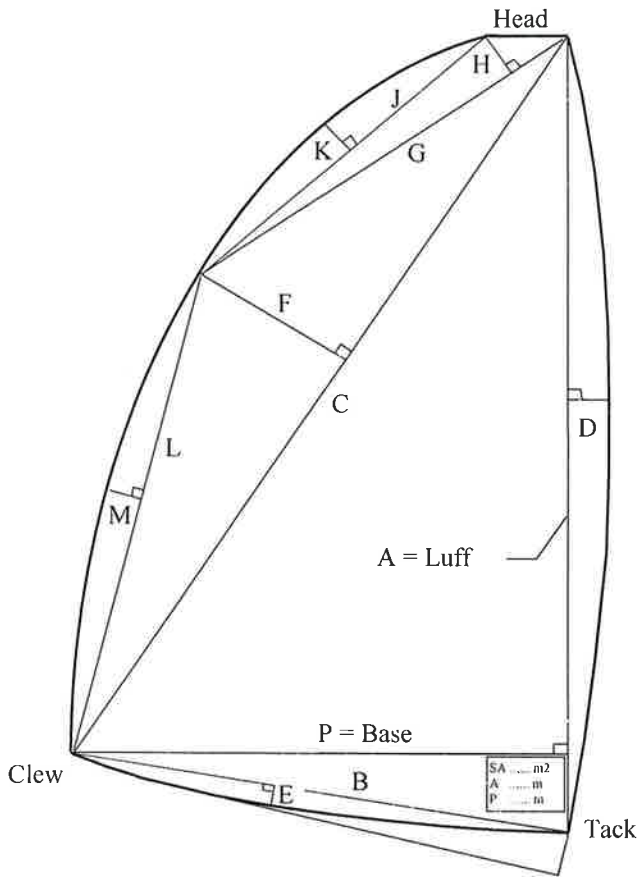
Measurer's Signature:

Issuing Authority (Stamp)

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Sail Measurement Form



Current Sail Number			
DEN 13	1st	3rd	
	2nd	4st	
Sail	Measure	Calc	
Luff = A	8,760	[m]	
D	0,143	[m]	
C	8,450	[m]	
F	0,864	[m]	
G	0,000	[m]	
H	0,000	[m]	
J	0,000	[m]	
K	0,000	[m]	
L	8,440	[m]	
M	-0,042	[m]	
Base = P	1,854	[m]	
B	1,925	[m]	
E	0,000	[m]	
Main Triangle	8,1205	1/2 (A x P)	
Luff Round	0,8351	2/3 (A x D)	
Foot Round	0,0000	2/3 (B x E)	
Roach Area 1	3,6504	1/2 (C x F)	
Roach Area 2	0,0000	1/2 (H x G)	
Roach Area 3	0,0000	2/3 (J x K)	
Roach Area 4	-0,2363	2/3 (L x M)	
Sail Area = SA	12,370	[m²]	

Definition: Sail Area SA
 It is the total area of the sail excluding the overlapping part of the mast guide. The measurement is based on ISAF measurement and calculation of sail area rule 3 and shall be measured with battens in the pockets. For identification the SA, Luff and Base has to be marked on the sail (starboard side).
 Note: Always to be filed in with three digits after decimal point
If the sail complies with all the requirements the measurer shall sign and date the sail near the tack (starbord).

Sailmakers Name: Landenberger

Sail Button No: 144389

Measurers Declaration: I declare that I have measured this sail and that it complies with all the class rules.



Date of Measurement: 27-5-2013

Measurer's Name: P. Saarberg

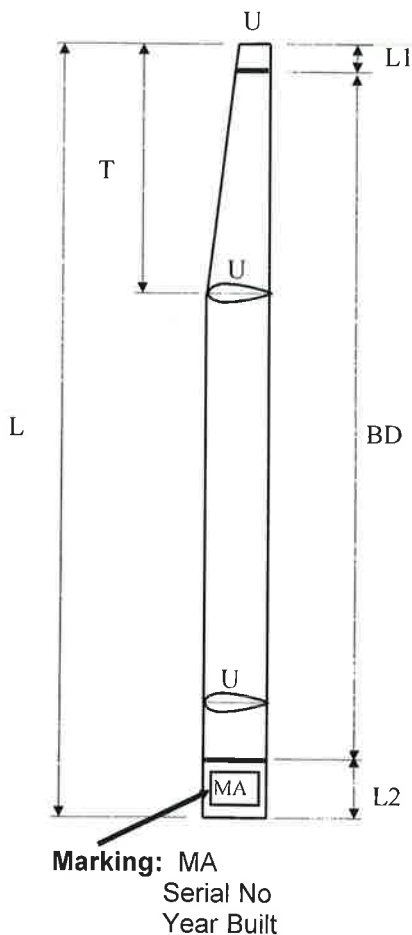
Appointed by: Watersportverbond

Measurer's Signature: *P. Saarberg*

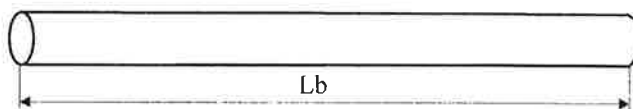
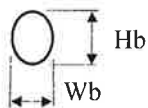
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Mast & Boom Measurement Form



Mast Measurement			
L [m]	9,04	U [m]	0,335
L1 [m]	0	U1 [m]	0
T [m]	0	MA [m ²]	1,5142
Mast Identification			
Serial N°			
Builder	Pesa		
Material	Carbon		
Boom Measurement			
Length	Lb [m]	0	
Major Axis Vertical	Hb [m]	0	
Major Axis Horizontal	Wb [m]	0	
Mean Grith	MG [m]	0	
Boom Area	BA [m ²]	0	
Boom Identification			
Serial N°			
Builder			



Defintion:

Mast Area MA

It is the half of the surface area of the mast excluding top and bottom surface.

Boom Area BA

It is only required if the profile height is more then 1.5 of the width

Calculation of MA:

$$MA = U \times (L-T)/2 + T \times (U + U1)/4$$

Calculation of BA:

$$BA = 1/2 \times MG \times Lb$$

Measurer's Declaration:

I declare that I have measured this Mast and Boom and that it complies with all the class rules.



Date of Measurement: 27-5-2013

Measurer's Name: **P. Saarberg**

Appointed by: **Watersportverbond**

Measurer's Signature: