



Class : 2.4
Nationality : SWEDEN
Sail number : 349
Printing Date : 2018-06-26 17:31:37



Owner : Hasse Malmsten
Yachtclub :

Year of birth:
Boat Name:

ISAF plaque nr: SK73
Builder: Hasse Malmsten
Built year: 1996
Hull number:

Sailing Weight: 251
Weight of hull: 230
Weight of keel:
Correction weight:

Measurer: Pelle Lindell
Measure-date: 2018-06-07
Date of first cert:
Date of this cert: 2018-06-26
Date of last test:

Notes:

P: 4.650
E: 1.960
I: 3.750
J: 1.525

Certificate authorized by Patrik Erlandsson for Swedish Sailing Federation

Owner's declaration:

I undertake to race this boat only so long as I maintain it in conformity with the Class Rules. I also undertake that only equipment which has been measured and found to be in accordance with the rules will be used.

Owner's Signature:

This certificate is valid with the above registered owner only. A new owner must re-apply for a new certificate.



If in doubt the certificate can be checked against the official pdf at Swedish Sailing Federation:

<http://matbrev.svensksegling.se/Entyp/ApprovedList>

INTERNATIONAL 2.4 METRE CLASS

Rating Certificate

National Letters and Sail Number	SWE-349
ISAF Plaque no.	73
Designer	Sven-Olof Ridder
Builder	Hasse Malmsten
Building Year	1996
Owner	Hasse Malmsten
Owners adress	Kaponjägatan 3a 41302 Göteborg

Supersedes former certificate, dated	2018-06-07	Swedish Sailing Federation
This certificate is dated	Patrik Erlandson	 
Validity confirmed by	Swedish Sailing Federation <i>Patrik Erlandson</i>	
Measurer:	Per Lindell 2018-06-06	Stamp of Authority
Complementary measurement:		

Overall Length		4,063	
Add (Overhang Forward to L ₁)	0,437		
Add (Overhang Aft to L ₁)	0,537		
Subtract Total Overhang	0,974	0,974	
Measured Length		3,089	
Girth at Bow	0,310		
Subtract (Twice Vertical Height at Bow	0,240		
0 at Bow	0,070		
Add 1,5*0 at Bow,(min 0.108)		0,108	
Girth at Stern	0,817		
Subtract (Twice Vertical Height at Stern	0,468		
0 at Stern	0,349		
Add 1/3 0 at Stern, minimum 0.080		0,116	
Add any penalty at 0 ₂			
Correct length, L		3,313	3,313
Subtract (Skin d to d ₁ Port	0,755		
Subtract (Chain d to d ₁ Port	0,750		
d Port	0,005		
Subtract (Skin d to d ₁ Starboard	0,755		
Subtract (Chain d to d ₁ Starboard	0,750		
d Starboard	0,005		
Add d		0,010	
2d			0,020
Add to find sum of measurements			3,333
Add (Mean Freeboard Bow 0	0,322		
Add (Mean Freeboard Midship D	0,278		
Add (Mean Freeboard Stern 0 and 0 ₂	0,266		
Sum of Freeboards	0,866		
Subtract (1/3 sum) FREEBOARD, F, max	0,292		0,289
			3,045
Beam penalty			0,000
Tumblehome penalty			0,000
√S			2,643
Total of Measurements			5,688
Divide by 2.37 = RATING =			2,400
Displacement penalty			0,000
Draft penalty			0,000
Final Rating			2,400

If in doubt, the Certificate can be checked against the official website: <http://matbrev.svensksegling.se>

National Letters and Sail Number	SWE-349
ISAF Plaque no.	73
This certificate is dated	2018-06-07
Overall Length	4,063
Add (Overhang Forward to L	0,540
(Overhang Aft to L	0,693
Subtract Total Overhang	1,233
Water Line Length	2,830
Beam at 1/3 Height of Midship Freebord	0,780
Maximum draft	1,000
Tumble Home	0,000
Weight by weighing	230 kg
with 35 kg ballast	265 kg
Minimum weight required by Rule	251 kg

Areas of Sails	I = 3,750
	J = 1,525
	P = 4,650
	E = 1,960
Mainsail =	4,557
Foretriangle Total =	2,859
Foretriangle Total x 0.85 =	2,430
Sail Area for Rating = S =	6,987
\sqrt{S}	2,643

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