


INTERNATIONAL 2.4 METRE CLASS

Rating Certificate

National Letters and Sail Number	SWE 418	
ISAF Plaque no.	390	
Designer	Håkan Södergren	
Builder	Malmsten	
Building Year	2003	
Owner	Dick Lindgren	
Owners adress	Bigatan 5 431 39 Mölndal	
Supersedes former certificate, dated	2005-08-18	Swedish Sailing Federation
This certificate is dated	2007-06-13	
Validity confirmed by	<i>Kjell Martinsson</i>	
Measurer: Gunnar Gustavsson	2004-02-29	Stamp of Authority
Complementary measurement:	2007-04-28	

Overall Length		4.160	
Add (Overhang Forward to L ₁)		0.426	
Add (Overhang Aft to L ₁)		0.669	
Subtract Total Overhang		1.095	1.095
Measured Length			3.065
Girth at Bow		0.312	
Subtract (Twice Vertical Height at Bow)		0.240	
0 at Bow		0.072	
Add 1,5*0 at Bow, (min 0.108)			0.108
Girth at Stern		0.960	
Subtract (Twice Vertical Height at Stern)		0.570	
0 at Stern		0.390	
Add 1/3 0 at Stern, minimum 0.080			0.130
Add any penalty at 0 ₂			
Correct length, L			3.303
Subtract (Skin d to d ₁ Port)		0.000	
Subtract (Chain d to d ₁ Port)		0.000	
d Port		0.000	
Subtract (Skin d to d ₁ Starboard)		0.000	
Subtract (Chain d to d ₁ Starboard)		0.000	
d Starboard		0.000	
Add d			0.000
2d			0.000
Add to find sum of measurements			3.303
Add (Mean Freeboard Bow 0)		0.344	
Add (Mean Freeboard Midship D)		0.296	
Add (Mean Freeboard Stern 0 and 0 ₂)		0.300	
Sum of Freeboards		0.940	
Subtract (1/3 sum) FREEBOARD, F, max	0.292		0.292
			3.011
Beam penalty			0.000
Tumblehome penalty			0.000
\sqrt{S}			2.677
Total of Measurements			5.688
Divide by 2.37 = RATING =			2.400
Displacement penalty			0.000
Draft penalty			0.000
Final Rating			2.400

National Letters and Sail Number	SWE 418
ISAF Plaque no.	390
This certificate is dated	2007-06-13
Overall Length	4.160
Add (Overhang Forward to L	0.516
(Overhang Aft to L	0.692
Subtract Total Overhang	<u>1.208</u>
Water Line Length	2.952
Beam at 1/3 Height of Midship Freebord	0.000
Maximum draft	0.000
Tumble Home	0.000
Weight by weighing	<u>250 kg</u>
with 35 kg ballast	<u>285 kg</u>
Minimum weight required by Rule	<u>282 kg</u>

Areas of Sails	I = 3.750
	J = 1.560
	P = 4.590
	E = 2.040
Mainsail =	4.682
Foretriangle Total =	2.925
Foretriangle Total x 0.85 =	<u>2.486</u>
Sail Area for Rating = S =	<u>7.168</u>
\sqrt{S}	2.677

If in doubt, the Certificate can be checked against the official website: www.ssf.se/tk/24/cert24.asp