INTERNATIONAL 2.4 METRE CLASS

Rating Certificate

Plaque Number

967

National Letters and Sail Number

SWE 458 Hasse Malmsten

Builder Builing Year

Designer

Hasse Malmsten 2017

Owner

Hasse Malmsten

Owners adress

Kaponjärgatan 3a 41302 Göteborg

Swedish Sailing Federation

Sweden

Valid until

Measurer:

Date:

Supersedes former certificate, dated

2018-06-13

2019-03-20

This certificate is dated

Validity confirmed by

total.

Patrik Erlandsson

Swedish Sailing Federation

Per Lindell

Leir

2018-06-06+2019-01-10

Overall Length 4.239 Add (Overhang Forward to L 0.431 Add (Overhang Aft to L1 0.760 Subtract Total Overhang 1.191 1.191 3.048 **Measured Length** 0.312 Girth at Bow 0.240 Subtract (Twice Vertical Height at Bow 0.072 0 at Bow Add 1,5*0 at Bow,(min 0.108) 0.108 1.056 Girth at Stern Subtract (Twice Vertical Height at Stern 0.536 0 at Stern 0.520 Add 1/3 0 at Stern, minimum 0.080 0.173 Add any penalty at 02 Correct length, L 3.329 3.329 Subtract (Skin d to d1 Port 0.000 Subtract (Chain d to d1 Port 0.000 0.000 Subtract (Skin d to d₁ Starboard 0.000 Subtract (Chain d to d1 Starboard 0.000 d Starboard 0.000 0.000 b bbA 0.000 2d3.329 Add to find sum of measurements Add (Mean Freeboard Bow 0 0.315 Add (Mean Freeboard Midship D 0.301 Add (Mean Freeboard Stern 0 and 02 0.304 0.920 Sum of Freeboards Subtract (1/3 sum) FREEBOARD, F, max 0.292 0.292 3.037 0.000 Beam penalty 0.000 Tumblehome penalty 2.651 **Total of Measurements** 5.688 Divide by 2.37 = RATING = 2.400 Displacement penalty 0.000 Draft penalty 0.000 2.400 Final Rating

Overall Length			4.239	
Add (Overhang Forward to L		0.524		
(Overhang Aft to L		0.760		
Subtract Total Overhang			1.284	
Water Line Length			2.955	
Beam at 1/3 Height of Midship Freebord			0.780	
Maximum draft	1.000			
Tumble Home			0.000	
Weight by weighing			255	kg
with 35 kg ballast	290 kg			kg
Minimum weight required by Rule	283 kg			
Areas of Sails	1 =	3.750		
	J =	1.560		
	P =	4.635		
	E =	1.960		
Mainsail =		4.542		
Foretriangle Total =		2.925		
Foretriangle Total x 0.85 =		2.486		
Sail Area for Rating = S =		7.029		
√ s		2.651		

If in doubt, the Certificate can be checked against the official website; http://matbrev.svensksegling.se/Entyp/ApprovedList