

International 2.4 metre Measurement Form

Name of Yacht MERLIN ISAF Plaque Number 341

Sail Number GER 2 Owner Jörg Feder

Overall length

4.180

Add Overhang Forward to L1
Overhang Aft to L1

0.436
0.655

Total Overhang

→ 1.085

Measured Length (Overall length - Total Overhang)

3.095

Girth at Bow
Twice Vertical Height at Bow

0.312
0.240

O at Bow

0.072

Add 1½ O at Bow

0.108

Subtract Girth at Stern
Twice vertical Height at Stern

0.898
0.529

O at stern

0.369

Add ½ O at Stern

0.123

Add any penalty at O2

Correct length, L

→ 3.326

Skin girth d to d1 Port
- Chain girth d to d1 Port

-

= Girth difference Port

Skin girth d to d1 Starboard

-

- Chain girth d to d1 Starboard

Girth difference Starboard

-

Add girth difference Port and Starboard

2 x sum of Girth difference

-

Add to find sum of L + 2d

-

Add Mean freeboard Bow O
Mean freeboard Midships D
Mean freeboard Stern O & O2

0.327
+ 0.291
+ 0.298

Sum of Freeboards

0.916

Subtract ⅓ sum freeboard, F (max 0.292)

→ - 0.292

= L + 2d - F

✓S

3.034

Total of Measurements L+2d-F+✓S

2.654

5.688

Divide by 2.37 = RATING =

2.400

Other Measurements recorded by measurer

Overall Length

Overhang Forward to L
Overhang Aft to L

Total Overhang (Sum overhang forward & aft)

Waterline Length (Overall length - Total Overhang)

Beam at $\frac{1}{3}$ Height of Midship Freeboard

Tumblehome

Minimum measured freeboard when ballasted and swamped in accordance with Rule 8.2

Weight recorded by weighing in measurer's presence (including 35kg ballast)

Minimum weight required by Rule $(0.2 \times LWL + 0.06)^3 \times 1.025$

	4.180
0.547 + 0.655	
	→ - 1.202
	2.978
	0.751
	-
	0.05
	$(260)^X$ 295 kg
	289 kg

Sail Dimensions

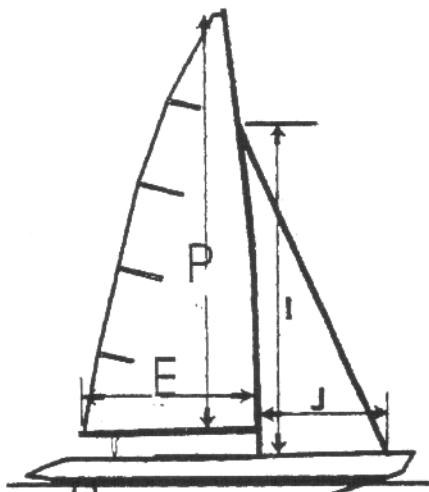
* 14kg + 69kg + 177kg

$P = 4.650$

$E = 1.960$

$I = 3.750$

$J = 1.560$



Areas of Sail

Mainsail $0.5 \times P \times E$

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

Foretriangle Total $\times 0.85 =$

Sail Area for Rating = S =

	4.557 m ²
2.925 m ²	
	2.486 m ²
	7.043 m ²
	2.654

\sqrt{S} **WENNE-BJÖRNDALH** Ky

Vasarakuja 6 puh./fax
Builder 67100 KOKKOLA 968-8317950

MARK III

Designer PETER NORLIND When Built 11, 2001

Measured by ESKO HYYPPÄ Date of Measurement 26.11.2001

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