

International 2.4 metre Measurement Form

Sail Number

ISAF Plaque Number **345**

Owner.....

Name of yacht *MINI BAR*

| | | | |
|---------------------------------------|-------------------------|----------------|-----------|
| Overall length | | | 4,184 |
| Overhang Forward to L1 | | + 0,432 | |
| Overhang Aft to L1 | Total overhang | + 0,658 | → - 1,090 |
| Measured length | | | 3,094 |
| Girth at Bow | | 0,311 | |
| Twice Vertical Height at Bow | O at Bow | - 0,240 → | 0,074 |
| 1½ O at Bow | | | + 0,107 |
| Girth at Stern | | 0,889 | |
| Twice Vertical Height at Stern | O at Stern | - 0,534 → | 0,355 |
| Add 1/3 O at Stern | | | + 0,118 |
| Add any penalty at O2 | Sum of Girth difference | + 0,000 → | + 0,224 |
| Correct length, L | | | 3,319 |
| Skin girth d to d1 Port | | 0,730 | |
| Chain girth d to d1 Port | d Port | - 0,730 → | + 0,000 |
| Skin girth d to d1 Starboard | | 0,730 | |
| Chain girth d to d1 Starb, | d Starboard | - 0,730 → | + 0,000 |
| d = d Port + d Starboard | 2 x d | | + 0,000 |
| Add to find sum of L + 2d | | | 3,319 |
| Mean freeboard Bow O | | + 0,326 | |
| Mean freeboard Midships D | | + 0,302 | |
| Mean freeboard Stern | Sum of freeboards | + 0,301 → | 0,929 |
| F=1/3 sum of freeboards | F, max 0.292 | | 0,310 |
| = L + 2d - F | | | - 0,292 |
| Penalty Displacement Rule D.7.2. | LWL | | 0,327 |
| Corr LWL | Difference | 2 x difference | - 2,979 → |
| Penalty Beam Rule D.7.3 | Beam | | 0,769 |
| Min beam | Deficiency | 4 x deficiency | - 0,720 → |
| √S | | | - 0,49 |
| Total of Measurements L + 2d - F + √S | | | + 0,000 |
| Divide by 2.37 = RATING = | | | + 2,654 |
| Penalty Draft Rule D.7.1 | Draft | | 5,681 |
| Max draft | Excess | 3 x excess | 2,397 |
| Penalty Tumble home D.7.4 | Tumble home | | 0,980 |
| Max Tumble home | Excess | 3 x excess | - 1,000 → |
| | | | 0,000 |
| | | | + 0,000 |
| | | | 0,014 |
| | | | - 0,015 → |
| | | | - 0,003 |
| | | | + 0,000 |
| FINAL RATING | | | 2,397 |

Other Measurements recorded by measurer

Overall Length

Overhang Forward to L

Overhang Aft to L

Total Overhang (Sum overhang forward and aft)

Waterline Length (Overall Length - Total Overhang)

Minimum measured cockpit frame over water level when ballasted and swamped in accordance with rule C.5.2

Boat weight recorded by weighing according to rule C.5.1

Boat weight including 35 kg ballast

Minimum weight by Rule D.7.2 $(0.2 \times \text{LWL} + 0.06)^3 \times 1.025$

| | |
|--------|---------|
| | 4,184 |
| +0,547 | |
| +0,658 | |
| → | - 1,205 |
| | 2,979 |
| | |
| | 254 Kg |
| | 289 Kg |
| | 289 Kg |

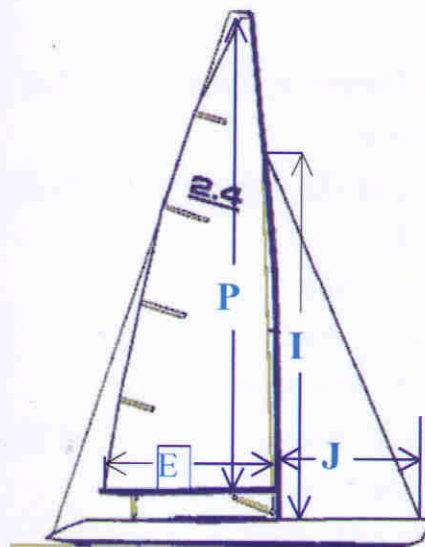
Sail Dimensions

P = 4,650

Outer point distance E = 1,960

Forestay height I = 3,750

Foretriangle base J = 1,560



| | |
|---|---|
| Mast measurements checked | ✓ |
| Height of mast datum point Rule C.8.2 (b) (2) | ✓ |
| Boom measurements checked | ✓ |
| Rudder thickness, Rule E.4.3 | ✓ |

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 =

\sqrt{S}

| | |
|---------------------|----------------------|
| | 4,557 m ² |
| 2925 m ² | |
| | 2,486 m ² |
| | 7,043 m ² |
| | 2,654 |



Builder... BJO'RN DAHL

Designer... NORLIN MK III

When Built.....

Measured by... JO'RG FEDER

Date of Measurement... 15.02.20

Complementary measured by..... Date of compl measurement.....

Certificate issued by Date of issue.....

name

CA

authority

signature