

UNION SCHWEIZERISCHER YACHTCLUBS

UNION SUISSE DU YACHTING

**Eignerwechsel**

**Changement de propriétaire**

Klasse Série 5.5 m II  
 Segel-Nr. No de voile 2 149  
 bisheriger Bootsname ancien nom du yacht Rona  
 neuer Bootsname nouveau nom du yacht Fortuna  
 Baujahr Année de constr. 1985  
 Bauwert Chantier Bauck Boat Co. (Fm)

Neuer Eigner  
 Nouveau propriétaire Bruno Bartholomé  
 Name Nom TYC  
 Club TYC  
 Adresse [Redacted]  
 Datum Date 14.8.92

**USY - Verm.**  
 Der Vermesser  
 Le jugeur  
O. Weber  
 CH-8802 Kilchberg/ZH

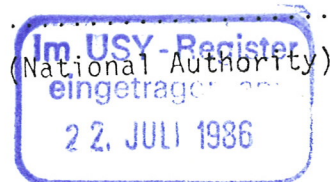
**Im USY-Register**  
 eingetragen am  
 20. AUG. 1992

Nur gültig mit Registrierstempel der USY  
 Valable seulement avec timbre d'enregistrement de l'USY

# International 5.5 Metre Class Certificate of Rating

Yacht's name ..... <b>RANA</b> .....	Classification society <b>LLOYDS</b>
Sail number ..... <b>Z 149</b> .....	Expiration date of classification certificate <b>JULY 1987</b>
Owner ..... <b>FELIX BIBUS</b> .....	Measurements or partial remeasurements by N.A. Measurer, signature & date
Owner's club ..... <b>ZYC</b> .....	
Designer ..... <b>BEN LEXCEN</b> .....	<b>WEIGHED &amp; SIGHTED</b> .....
Date completed ..... <b>JUNE 1985</b> .....	<b>JAN 1986</b> .....
Condition of water when marks were sighted State fresh or salt ..... <b>SALT</b> .....	<b>W. Meier</b> .....
Difference in immersion (class rule 5) .....	— (metres)
Has designer's or builder's declaration been supplied .....	—
I declare that the particulars given on this certificate are correct at this date	Expiration date of rating certificate
Signature of measurer ..... <i>W. Meier</i> .....	<b>20th May 1988</b> .....
Signature of designer or builder <i>Phon / Ben Lexcen</i> .....	Re-rated .....
Signature of owner or representative .....	.....

Certificate authorised by ..... Date ..... for .....

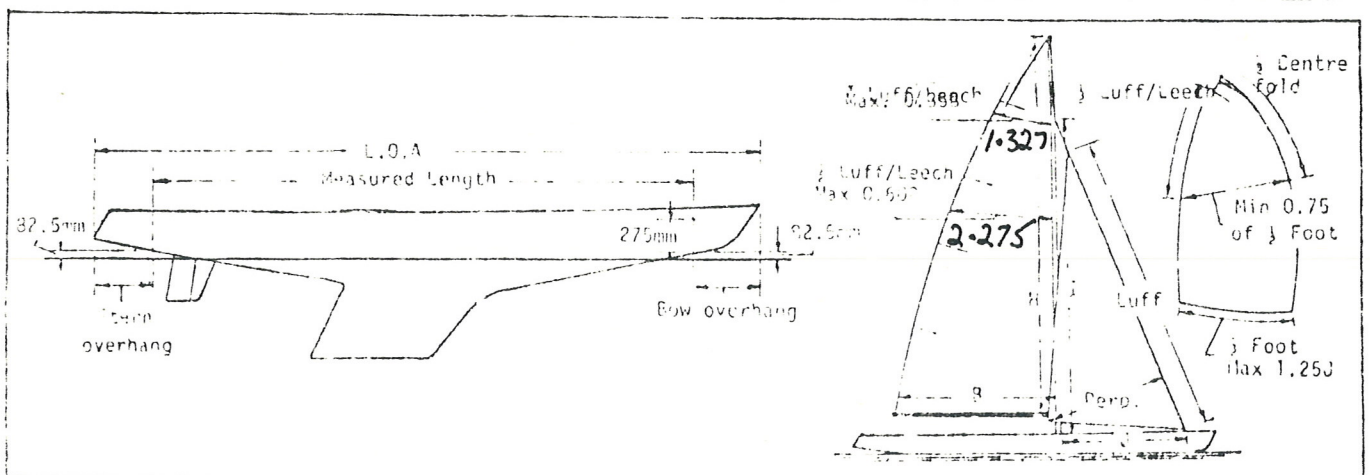


USY - Verein  
O. Weber  
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Im USY-Register eingetr. 22. JULI 1986

RATING FORMULA:  $0.9 \frac{L^2}{1270} + \frac{1}{3} \frac{S}{D}$  not to exceed 5.5 m.

	Actual measures		Rule limits
<b>LENGTH L FOR RATING</b>			
Overall length L.O.A.		9.450	
Bow overhang to L <sub>1</sub>	1.067		
Stern overhang to L <sub>1</sub>	1.052		
Total overhang	add	2.119	
Measured length L <sub>1</sub>		subtract	7.331
Girth at bow	0.710		
Twice vertical height at bow (=0.550 m)	0.550		
Bow girth difference	subtract	0.165	min. 0.165 m (rule 3)
Girth at stern	1.683		
Twice vertical height at stern	0.944		
Stern girth difference	subtract	0.739	
1/3 stern girth difference	div. by 3	0.246	min. 0.23 1/2 m (rule 3)
Length L for rating formula	add	7.742	
<b>SAIL AREA FOR RATING</b>			
Largest headsail = 0.5 x _____ (luff) x _____ (perp)		9.56	min. see next page
Mainsail = 0.5 x 10.25 (H) x 3.793 (B)		19.44	min. 26.5 m <sup>2</sup> (rule 7)
Total sail area S	add	29.00	max. 29.0 m <sup>2</sup>
$\sqrt{S}$		5.385	
<b>DISPLACEMENT</b>			
Weight of yacht (date when weighed 15-1-86) 1920 Kgs		1920 Kgs	
Displacement D = weight div. by 1025.21 kg/m <sup>3</sup>		1.872	min. 1.7 m <sup>3</sup> (rule 7)
$\sqrt[3]{D}$		1.232	max. 2.0 m
<b>RATING</b>			
Rating calc'd according to formula		5.490	
3 x tumble home excess			(rule 14)
FINAL RATING	add	5.490	



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	Actual	Rule limits	Rule No.
<b>HULL</b>			
Immersion checked in salt/fresh water <b>SALT</b>	date 15-1-86.		7;27
Weight of inside ballast placed at _____	NIL	xxx)	6;33
Beam	1.965	min. 1.90 m	7;9
Draft	1.350	max. 1.35 m	7
Freeboard at bow girth station	<u>0.759</u>		
"    at stern girth station	<u>0.599</u>		
"    at midship mark	<u>0.557</u>		
"    average	<u>0.638</u>	min. 0.63 m	
Keel, ballast material	LEAD	lead or iron	10
"    ht. of round at bottom	<u>0.038</u>	max. 75mm	10
"    width at max. section 1 metre below L.W.L.	<u>0.168</u>	min. 150mm	10
Stern angle	<u>1:4.92</u>	min. 1 in 5.5	12
Round of beams	<u>3:305</u>	max. 7mm in 305mm	13
Tumble home	<u>NIL</u>		14
2% of max. beam	<u>N/A</u>		
Excess tumble home	subtract		
Area of deck openings	<u>NIL</u>	3 x excess added to rating	14
Cockpit forward of 1.1 mark	<u>2.250</u>	max. 2.25 m <sup>2</sup>	24
Breadth of side decks	<u>2.112</u>	min. 1.75 m	25
	<u>0.372</u>	min. 35 cm	24
<b>SAILS &amp; RIGGING</b>			
Height of sailplan above covering board level	<u>11.100</u>	max. 11.10 m	16
"    " boom (black band) above covering board level	<u>0.850</u>	max. 0.85 m	17
"    " fore triangle above covering board level (1)	<u>8.880</u>	max. 8.88 m	16
Base of fore triangle (J) (Deck black band to be checked)	<u>2.692</u>	max. 0.50 x 5	16
Min. headsail for measurement purposes = 0.5 x 1 x J x 80%	<u>9.560</u>		15
Spinnaker, halliard above forestay	<u>0.909</u>	max. 10 cm	20
"    "    out from mast	<u>0.021</u>	max. 3 cm	20
"    breadth of half the foot	<u>3.365</u>	max. 1.25 x J	20
Storm spinnaker, breadth of half the foot	<u>2.692</u>	max. J	20
Spinnaker boom length	<u>2.692</u>	max. J	21
Mast diameter at 1/4 ht. of fore triangle, round mast	<u>142 x 103</u>	min. 11.5 cm	22
"    "    at deck	<u>142 x 103</u>	min. 10.5 cm	22
"    "    at jib halliards	<u>128 x 103</u>	min. 9.2 cm	22
"    "    at top	<u>77 x 82</u>	min. 5.8 cm	22
(The athwartships diameter of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)			
Weight of mast with fixed fittings	<u>19.5</u>	min. <del>40</del> 16 Kgs	22
Centre of gravity of mast above covering board level	<u>N/A</u>	min. 30% of mast ht.	22
Boom depth	<u>103 mm</u>	max. 15.2 cm	23
Boom width	<u>73.5 mm</u>	min. 2.8 cm	23
<b>MISCELLANEOUS</b>			
Weight of anchor	<u>12.1</u>	max. 13kgs min. 11kgs	25
Length of warp	<u>30m</u>	min. 30 m	26
Top of 1 marks above water with yacht in racing trim			5