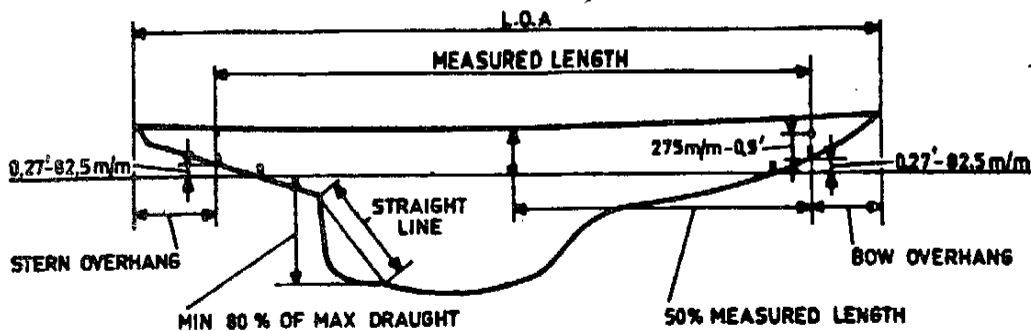
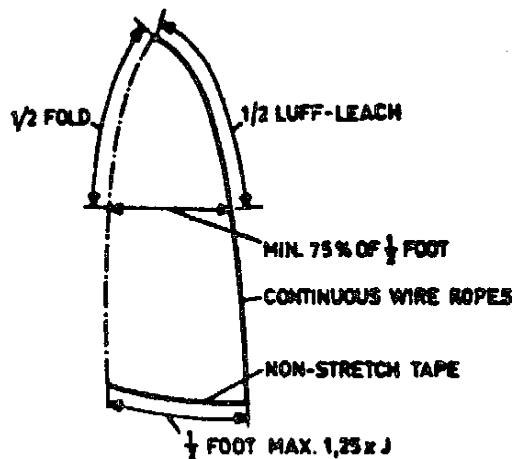
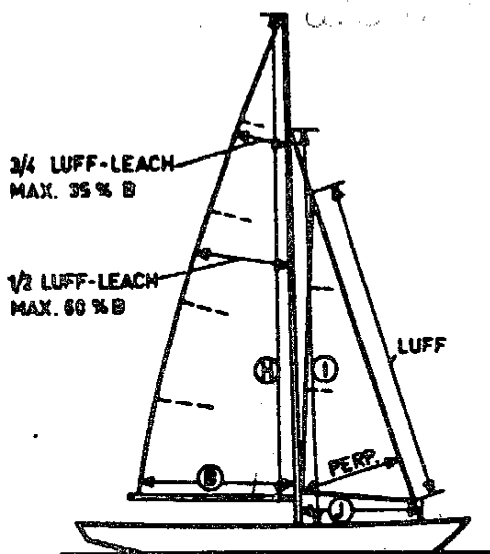


# THE INTERNATIONAL 5.5 METRE CLASS CERTIFICATE OF RATING

No 51

Yacht's name <b>" NUVOLA AZZURRA "</b>	Classification society <b>R. I. N. A.</b>
Permanent sail number <b>I-48</b>	Expiration date of classification certificate <b>19/4/69</b>   <b>N° 15617</b>
Owner <b>Dario Salata + Giorio Cavallo</b>	Measurements or partial remeasurements by N.A. Measurer, signature & date <b>A. Cressi</b>   <b>27/6/66</b>
Owner's club <b>Yacht Club Italiano</b>	<b>Riemesso</b>   <b>22/2/69</b>
Designer <b>Luders</b>	
Builder <b>Velscaf-Rapallo</b>	
Date completed <b>1965</b>	
Condition of water when marks were sighted <b>fresh-1025,2</b>	
State fresh or salt <b>=</b>	(metres)
Difference in immersion (class rule 5)	
Has designer's or builder's declaration been furnished <b>yes</b>	
I declare that the particulars given on this certificate are correct at this date	Expiration date of rating certificate <b>22/2/71</b>
Signature of designer or builder <b>Velscaf/Salata</b>	
Signature of owner or his representative <b>Salata</b>	Rerated
(The designer or builder is only responsible for measurements at the date they are taken)	
Certificate authorised by <i>[Signature]</i>	for <b>(National Authority)</b>



RATING FORMULA :  $0.9 \left( \frac{L\sqrt{S}}{12\sqrt{D}} + \frac{L+\sqrt{S}}{4} \right)$  not to exceed 5.5 m or 18.04 ft.

	Actual measures		Rule limits
<b>LENGTH L FOR RATING</b>			
Overall length L.O.A.	(9428)	9428	
Bow overhang to L <sub>1</sub>	998		
Stem overhang to L <sub>1</sub>	984		
Total overhang	add	1982	
Measured length L <sub>1</sub>		subtract 7446	
Girth at bow	705		
Twice vertical height at bow (=0.550 m or 1.804 ft.)	550		
Bow girth difference	subtract	165	min. 0.165 m or 0.541 ft. (rule 3)
Girth at stem	1657		
Twice vertical height at stem	980		
Stern girth difference	subtract 677		
1/3 stern girth difference	div. by 3	234	min. 0.234 m or 0.768 ft. (rule 3)
Length L for rating formula		add	7845
<b>SAIL AREA FOR RATING</b>			
Largest headsail = 0.5 x _____ = (luff) x _____ = (perp)		9.560	min. see next page
Mainsail = 0.5 x <u>10500</u> (H) x <u>3700</u> (B)		19.425	min. 26.5 m <sup>2</sup> or 285.0 sq. ft. (rule 7)
Total sail area S		add	28.985
$\sqrt{S}$			5384
<b>DISPLACEMENT</b>			
Weight of yacht (date when weighed <u>22/2/69</u> )		2049	
Displacement D = weight div. by 1025.21 kg/m <sup>3</sup> or 64 lbs/cu. ft.			min. 1.7 m <sup>3</sup> or 60.27 cu. ft. (rule 7)
$\sqrt[3]{D}$			1260
<b>RATING</b>			
Rating calc'd according to formula		5490	
3 x tumble home excess			(rule 14)
FINAL RATING		add	5490

## RULE PARTICULARS

	Actual <sup>x)</sup>	Rule limits	Rule No.
<b>HULL</b>			
Immersion checked in salt/fresh water	date 22/2/69		5;27
Weight of inside ballast placed at 300 AD paletto randa	7.400	xx)	6;33
Beam	I914	min. 1.90m or 6.23 ft.	7;9
Draft	1340	max. 1.35m or 4.43ft.	7
Freeboard at bow girth station	735		
" at stern girth station	572		
" at midship mark	610		
" average	639	min. 0.63m or 2.06ft.	
Keel, ballast material	piombo	lead or iron	10
" ht. of round at bottom	70	max. 75mm. or 3 in.	10
" width at max. section 1 metre below L.W.L.	I70	min. 150mm. or 5.9in.	10
Stern angle	1/5.5	min. 1 in 5.5	12
Round of beams	6.5/305	max. 7mm. in 305mm. or 00.25in. in 12in.	13
Tumble home	30		14
2% of max. beam			
Excess tumble home	subtract → =	3 x excess added to rating	14
Area of deck openings	2.20	max. 2.25m <sup>2</sup> or 24.25 sq. ft.	24
Cockpit forward of L1 mark	2.25	min. 1.75m or 5.74ft.	25
Breadth of side decks	360	min. 35cm or 1.15ft.	24
<b>SAILS &amp; RIGGING</b>			
Height of sailplan above covering board level	11100	max. 11.10m or 36.4ft.	1c
" " boom (black band) above covering board level	600	max. 0.85m or 2.795ft.	17
" " fore triangle above covering board level (1)	8880	max. 8.88m or 29.11ft.	16
Base of fore triangle (J) (Deck black band to be checked)	2690	max. 0.50 x 5	16
Min. headsail for measurement purposes = 0.5 x l x J x 80%	9.554		15
Spinnaker, halliard above forestay	10	max. 10cm or 3.9in.	20
" " out from mast	10	max. 3cm or 1.18in.	20
" breadth of half the foot	3362	max. 1.25 x J	20
Storm spinnaker, breadth of half the foot	2690	max. J	20
Spinnaker boom length	2690	max. J	21
Mast diameter at 1/2 ht. of fore triangle, round mast oval	10.6/14.5	min. 11.5cm or 4.52 in.	22
" " at deck " "	10.6/12.5	min. 10.9cm or 4.30in.	22
" " at jib halliards " "	9.2/11.5	min. 9.2cm or 3.62in.	22
" " at top " "	5.8/7.5	min. 5.8cm or 2.26in.	22
(The athwartship diameters 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	42.500	min. 40 kgs or 88 lbs	22
Centre of gravity of mast above covering board level	4.285	min. 38% of mast ht.	22
Boom depth	140	max. 15.2cm or 6in.	23
Boom width	39	min. 3.8cm or 1.5in.	23
<b>MISCELLANEOUS</b>			
Weight of anchor	11	max. 13kgs or 26.45lbs min. 11kgs or 24.24lbs	26
Length of warp	30m.	min. 30m or 16.4 fathoms	26
Top of l marks above water with yacht in racing trim			5