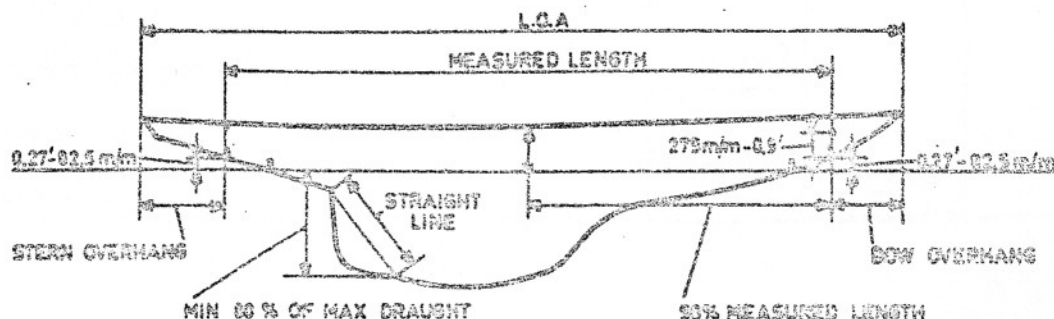
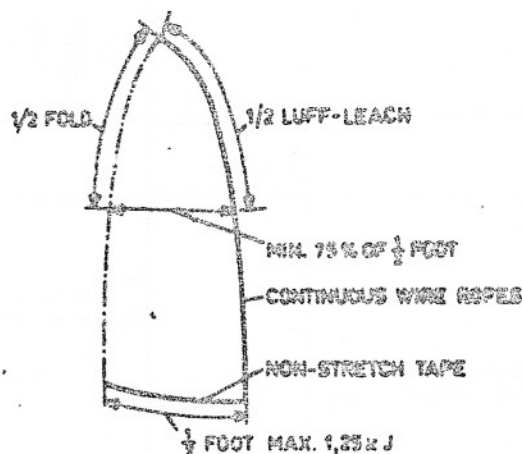
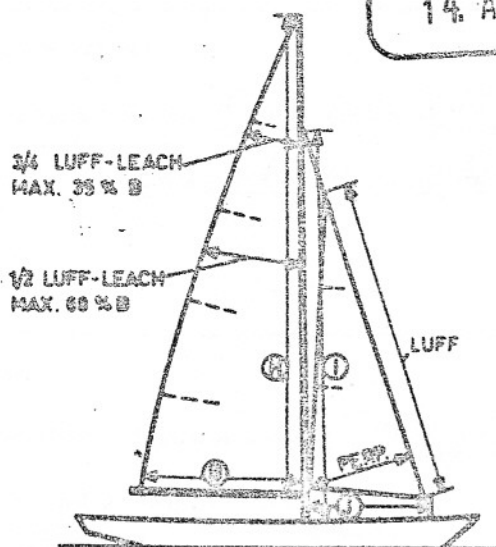


INTERNATIONAL 5.5 METRE CLASS CERTIFICATE OF RATING

102

Yacht's name	<i>Odyssée IV</i>	Classification society	<i>Bureau Veritas Paris</i>
Permanent sail number	<i>2 102</i>	Expiration date of classification certificate	<i>9.1.74</i>
Owner	<i>J. Hauener</i>	Measurements or partial remeasurements by N.A. Measurer, signature & date	<i>USY - Verm. [Signature]</i>
Owner's club	<i>CVN</i>		
Designer	<i>Britton - Chance</i>		
Builder	<i>H. Egger, St. Fubin</i>		
Date completed	<i>March, 1972</i>		
Condition of water when marks were sighted			
State fresh or salt	<i>fresh</i>		
Difference in immersion (class rule 5)	<i>0.007</i>	(metres)	
Has designer's or builder's declaration been furnished	<i>yes</i>		
I declare that the particulars given on this certificate are correct at this date		Expiration date of rating certificate	<i>19.3.74</i>
Signature of designer or builder			
Signature of owner or his representative			
(The designer or builder is only responsible for measurements at the date they are taken)			
Certificate authorised by <i>7215.4.72 Im USY-Register</i>		for <i>Union Suisse de Yachting</i> (National Authority)	

Im USY-Register
eingetragen am
14. APR. 1972



ATING FORMULA: $0.9 \left(\frac{L\sqrt{S}}{12\sqrt[3]{D}} + \frac{L+\sqrt{S}}{4} \right)$ not to exceed 5.5 m or 18.04 ft.

	Actual measures		Rule limits
LENGTH L FOR RATING			
Overall length L.O.A.		9,077	
Bow overhang to L ₁	0,745		
Stern overhang to L ₁	0,814		
Total overhang	add	1,559	
Measured length L ₁		subtract 7,458	
Girth at bow	0,695		
Twice vertical height at bow (=0.550 m or 1.804 ft.)	0,550		
Bow girth difference	subtract	0,145	0,165 min. 0.165 m or 0.541 ft. (rule 3)
Girth at stern	1,178		
Twice vertical height at stern	1,077		
Stern girth difference	subtract	0,521	
1/3 stern girth difference	div. by 3	0,177	0,234 min. 0.234 m or 0.768 ft. (rule 3)
Length L for rating formula		add 7,857	
SAIL AREA FOR RATING			
Largest headsail = 0.5 x 8,080 (luff) x 2,367 (perp)		9,562	min. see next page
Mainsail = 0.5 x 3,665 (H) x 10,600 (B)		19,426	min. 26.5 m ² or 285.0 sq. ft. (rule 7)
Total sail area S		add 28,988	max. 29.0 m ² or 312.0 sq. ft.
$\sqrt{S}$		5,384	
DISPLACEMENT			
Weight of yacht (date when weighed 18.3.72)		2045	
Displacement D = weight div. by 1025.21 kg/m ³ or 64 lbs/cu. ft.			min. 1.7 m ³ or 60.27 cu. ft. (rule 7)
$\sqrt[3]{D}$		1,995	max. 2.0 m ³ or 70.62 cu. ft.
RATING			
Rating calc'd according to formula		5,499	
3 x tumble home excess		-	(rule 14)
FINAL RATING		add 5,499	

JLE PARTICULARS

	Actual ^(x)	Rule limits	Rule No.
HULL			
Immersion checked in sea / fresh water	date 18.3.72		5;27
Weight of inside ballast placed at	nil	xxx)	6;33
Beam	1902	min. 1.90m or 6.23 ft.	7;9
Draft	1343	max. 1.35m or 4.43ft.	7
Freeboard at bow girth station	0694		
" at stern girth station	0604		
" at midship mark	0591		
" average	0620	min. 0.63m or 2.06ft.	
Keel, ballast material	lead	lead or iron	10
" ht. of round at bottom	0070	max. 75mm. or 3 in.	10
" width at max. section 1 metre below L.W.L.	0155	min. 150mm. or 5.9in.	10
Stern angle	1.79	min. 1 in 5.5	12
Round of beams	nil	max. 7mm. in 305mm.	13
Tumble home	nil	or 00.25in. in 12in.	14
2% of max. beam	0038		
Excess tumble home	subtract	3 x excess added to rating	14
Area of deck openings	2150	max. 2.25m ² or 24.25 sq. ft.	24
Cockpit forward of L1 mark	2076	imin. 1.75m or 5.74ft.	25
Breadth of side decks	0860	min. 35cm or 1.15ft.	24
SAILS & RIGGING			
Height of sailplan above covering board level	11700	max. 11.10m or 36.4ft.	16
" boom (black band) above covering board level	0550	max. 0.85m or 2.795ft.	17
" fore triangle above covering board level (1)	2880	max. 8.88m or 29.11ft.	16
Base of fore triangle (J) (Deck black band to be checked)	2692	max. 0.50 x 5	16
Min. headsail for measurement purposes = 0.5 x 1 x J x 80%	9562		15
Spinnaker, halliard above forestay	0700	max. 10cm or 3.9in.	20
" out from mast	0020	max. 3cm or 1.18in.	20
" breadth of halt the foot	3865	max. 1.25 x J	20
Storm spinnaker, breadth of halt the foot	2692	max. J	20
Spinnaker boom length	2690	max. J	21
Mast diameter at 1/2 ht. of fore triangle, round mast	109 x 125	min. 11.5cm or 4.52 in.	22
" " at deck " "	109 x 125	min. 10.9cm or 4.30in.	22
" " at jib halliards " "	99 x 109	min. 9.2cm or 3.62in.	22
" " at top " "	55 x 66	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	51	min. 40 kgs or 88 lbs	22
Centre of gravity of mast above covering board level	42%	min. 38% of mast ht.	22
Boom depth	50150	max. 15.2cm or 6in.	23
Boom width	70040	min. 3.8cm or 1.5in.	23
MISCELLANEOUS			
Weight of anchor	11 kg.	max. 13kgs or 26.45lbs min. 11kgs or 24.24lbs	26
Length of warp	50m	min. 30m or 16.4 fathoms	26
Top of 1 marks above water with yacht in racing trim	✓		5