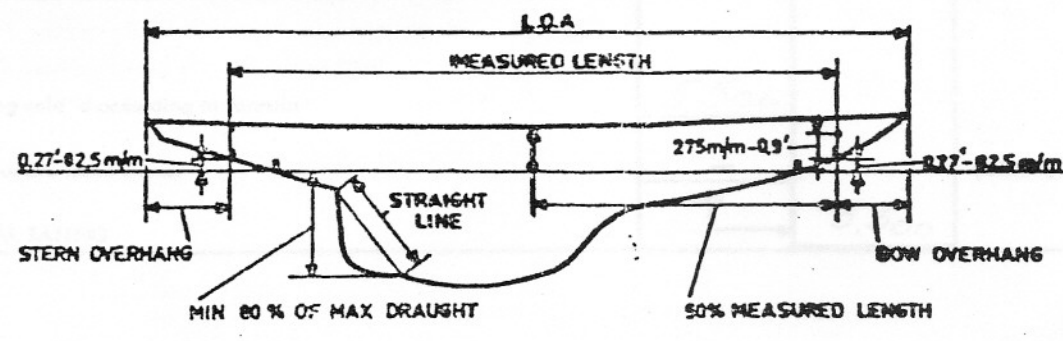
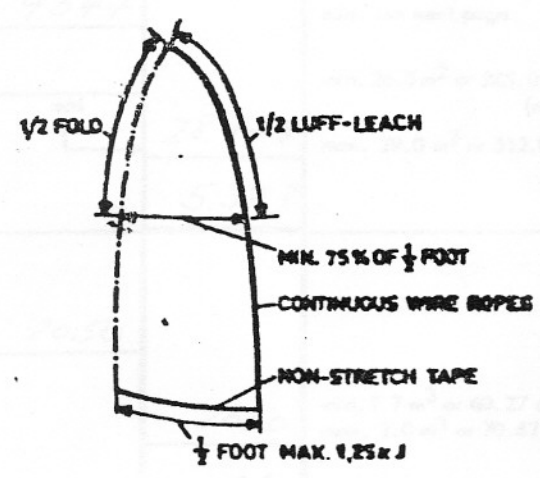
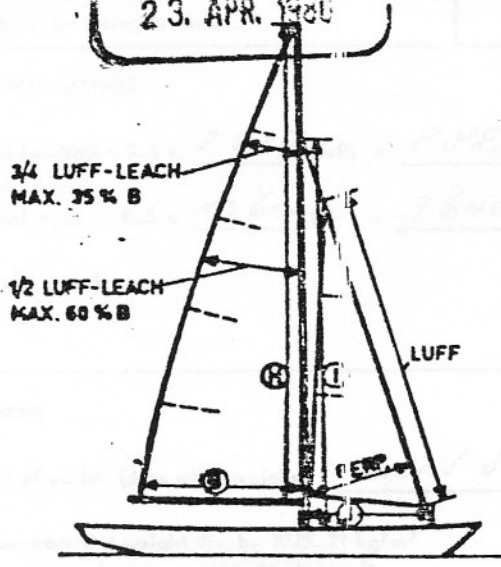


THE INTERNATIONAL 5.5 METRE CLASS CERTIFICATE OF RATING

Yacht's name <i>Odysee VII</i>	Classification society <i>Bureau Veritas Paris</i>
Permanent sail number <i>Z 124</i>	Expiration date of classification certificate <i>1982</i>
Owner <i>J. Lauener</i>	Measurements or partial remeasurements by N.A. Measurer, signature & date <i>10.4.80</i>
Owner's club <i>CVN</i>	USY - Verm. <i>VII</i>
Designer <i>Fay</i>	O. Weber <i>[Signature]</i>
Builder <i>Egger, St. Hubert</i>	CH-8802 Kilchberg/ZH
Date completed <i>9.79</i>	
Condition of water when marks were sighted State fresh or salt <i>fresh</i>	
Difference in immersion (class rule 5) <i>7 mm</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>9.4.82</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>USY-Register</i> <i>eintragen am 23. APR. 1980</i>	for (National Authority)



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
LENGTH L FOR RATING			
Overall length L.O.A.		9.054	
Bow overhang to L ₁	.906		
Stem overhang to L ₁	.671		
Total overhang	add	1.577	
Measured length L ₁		subtract 7.477	
Girth at bow	.686		
Twice vertical height at bow (=0.550 m or 1.804 ft.)	.550		
Bow girth difference	subtract	.165 = min	min. 0.165 m or 0.541 ft. (rule 3)
Girth at stem	1.612		
Twice vertical height at stem	.956		
Stern girth difference	subtract .656		
1/3 stern girth difference	div. by 3	.234 = min	min. 0.234 m or 0.768 ft. (rule 3)
Length L for rating formula		add 7.876	
SAIL AREA FOR RATING			
Largest headsail = 0.5 x <u>2.687</u> (luff) x <u>8.880</u> (leech)		9.544	min. see next page
Mainsail = 0.5 x <u>10.600</u> (H) x <u>3.646</u> (l)			min. 26.5 m ² or 285.0 sq. ft. (rule 7)
Total sail area S		add 28.869	max. 29.0 m ² or 312.0 sq. ft.
\sqrt{S}		5.373	
DISPLACEMENT			
Weight of yacht (date when weighed <u>April 80</u>)		2050	
Displacement D = weight div. by 1025.21 kg/m ³ or 64 lbs/cu. ft.		2000	min. 1.7 m ³ or 60.27 cu. ft. (rule 7) max. 2.0 m ³ or 70.62 cu. ft.
$\sqrt[3]{D}$		1.260	
RATING			
Rating calc'd according to formula		5.500	
3 x tumble home excess		-	(rule 14)
FINAL RATING		add 5.500	

RULE PARTICULARS

#	Actual ^{x)}	Rule limits	Rule No.
HULL			
Immersion checked in salt/fresh water	date 9.4.88		5;27
Weight of inside ballast placed at <u>none</u>		xx)	6;33
Beam	1.910	min. 1.90m or 6.23 ft.	7;9
Draft	1.344	max. 1.35m or 4.43ft.	7
Freeboard at bow girth station	730		
" at stern girth station	613		
" at midship mark	768		
" average	.637	min. 0.63m or 2.06ft.	
Keel, ballast material	lead	lead or iron	10
" ht. of round at bottom	1.005	max. 75mm. or 3 in.	10
" width at max. section 1 metre below L.W.L.	.182	min. 150mm. or 5.9in.	10
" stern angle	.191	min. 1 in 5.5 = .182	12
Round of beams	none	max. 7mm. in 305mm.	13
Tumble home	.024	or 00.25in. in 12in.	14
2% of max. beam	.038		
Excess tumble home	subtract →	3 x excess added to rating	14
Area of deck openings	2.70m ²	max. 2.25m ² or 24.25 sq. ft.	24
Cockpit forward of L1 mark	1.925	imin. 1.75m or 5.74ft.	25
Breadth of side decks	.362	min. 35cm or 1.15ft.	24
SAILS & RIGGING			
Height of sailplan above covering board level	11.100	max. 11.10m or 36.4ft.	16
" boom (black band) above covering board level	1.500	max. 0.85m or 2.795ft.	17
" fore triangle above covering board level (1)	8.880	max. 8.88m or 29.11ft.	16
Base of fore triangle (J) (Deck black band to be checked)	2.687	max. 0.50 x 5	16
Min. headsail for measurement purposes = 0.5 x I x J x 80%	9.544		15
Spinnaker, halliard above forestay	1.650	max. 10cm or 3.9in.	20
" out from mast	.610	max. 3cm or 1.18in.	20
" breadth of half the foot	3.364	max. 1.25 x J	20
Storm spinnaker, breadth of half the foot	2.687	max. J	20
Spinnaker boom length	2.687	max. J	21
Mast diameter at 1/2 ht. of fore triangle, round mast	104 x 145	min. 11.5cm or 4.52 in.	22
" at deck	104 x 145	min. 10.9cm or 4.30in.	22
" at jib halliards	104 x 145	min. 9.2cm or 3.62in.	22
" at top	61 x 77	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 kg	min. 40 kgs or 88 lbs	22
Centre of gravity of mast above covering board level	42%	min. 36% of mast ht.	22
Boom depth	.100	max. 15.2cm or 6in.	23
Boom width	.069	min. 3.8cm or 1.5in.	23
MISCELLANEOUS			
Weight of anchor	13 kg	max. 13kgs or 26.45lbs	26
Length of warp		min. 30m or 16.4 fathoms	26
Top of I marks above water with yacht in racing trim			5