

International 5.5 Metre Class Certificate of Rating

Yacht's Name: *Papillon* Sail Number: *767*
 Owner: *Ch. Krüger* Owner's Club: *SVB*
 Designer: *Buders* Date Completed: *1965*
 Has designer's or builder's declaration been supplied: YES / NO (Delete whichever is applicable)

Condition of water when marks were sighted: State fresh or salt: *fresh*
 Difference in immersion (class rule 5): (metres)

Classification Society: *Bureau Veritas*
 Expiration date of classification certificate: *n/a*

Measurements or partial re-measurements by National Authority Measurer, signature and date and Item No:

Signature	Date	Item No
<i>USY - Verm.</i>		
<i>Q. Weber</i>		<i>all</i>
<i>CH-8802 Kilchberg/ZH</i>		

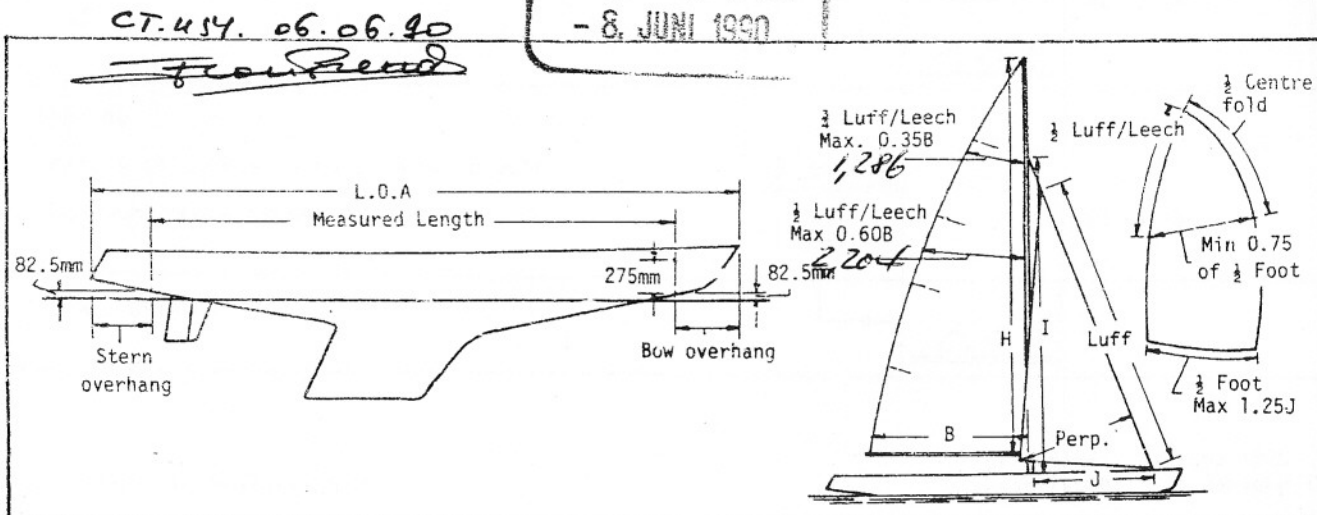
Expiration date of rating certificate:
 Re-Rated:

I certify that the measurements entered on this certificate have been properly taken and that to the best of my knowledge and belief the boat complies with the Rules of the International 5.5 Metre Class.

Signature of Measurer: *[Signature]*
 Signature of designer or builder: *no more applicable*
 Signature of owner or representative: *[Signature]*

Certificate authorised by: *[Signature]* Date:
 For: *[Signature]* (enter name of National Authority)

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	Actual	Rule Limits	Rule No.
MISCELLANEOUS			
38	Weight of anchor	12 kg	max. 13kgs min. 11kgs 23
38	Length of warp (min. diameter 9mm)	30 m	min. 30m 23
39	Top of I marks above water with yacht in racing trim	OK	5

Item No.		Actual Measures		Rule Limits
LENGTH L FOR RATING				
40	Overall length L.O.A.		9482	
41	Bow overhang to L ₁	1010		
42	Stern overhang L ₁	1012		
43	Total overhang	add	2.022	
44	Measured length L ₁		subtract 7460	
45	Girth at bow	.690		
46	Twice vertical height at bow (=0.550m)	.550		
47	Bow girth difference	subtract	0.165 = min	min. 0.165m (rule 3)
48	Girth at stern	1.588		
49	Twice vertical height at stern	0.950		
50	Stern girth difference	subtract 0.638		
51	1/3 stern girth difference	div. by 3	0.213 = min	min. 0.234m (rule 3)
52	Length L for rating formula		add 7.859	
SAIL AREA FOR RATING				
53	Largest headsail = 0.5 x _____ (luff) x _____ (perp)		9,566	min. see item 24
54	Mainsail = 0.5 x 10.582 (H) x 3.673 (B)		19,432	min 26.5m ² (rule 2)
55	Total sail area S		add 28,998	max. 29.0m ²
56	√S		5,385	
DISPLACEMENT				
57	Weight of yacht (date when weighed) _____		2050	
58	Displacement D = weight div. by 1025.21kg/m ³		2,000	min. 1.7m ³ (rule 2) max 2.0m ³
59	√D		1.260	
RATING				
60	Rating calculated according to formula		5,499	
61	3 x tumblehome excess		add	(rule 13)
62	FINAL RATING		5.50	

		Actual	Rule Limits	No.
HULL				
	Immersion checked in salt/fresh water	date 16.5.90		5,24
2	Weight of inside ballast placed at <u>none</u>	∅		27
3	Beam	1,900	min. 1.90m	2,8
4	Max. Draft	1,349	max. 1.35m	2
5	Freeboard at bow girth station	739		4
6	Freeboard at stern girth station	757		4
7	Freeboard at midship mark	789		4
8	Freeboard average	0,630	min. 0.63m	4
9	Keel and ballast materials	lead	lead or iron	9(iii)
10	Keel height of round at bottom	0,060	min. 75mm	9(iv)
11	Maximum section width down to 1m from LWL	0,157	min. 150mm	9(iv)
12	Stern angle	0,265	min. 1 in 5.5 = 0.182	11
13	Round of beams	0,006	max. 7mm in 305mm	12
14	Tumblehome	0,011		13
15	Deduct 2% of max. beam	0,038		
16	Excess tumblehome	∅	3 x excess added to rating	13
17	Area of deck openings	2,200	max. 2.25m ²	21
18	Cockpit forward of L1 mark	2,340	min. 1.75m	22
19	Breadth of side decks	0,372	min. 35cm	21
SAILS AND RIGGING				
20	Height of sailplan above covering board level	11,100	max. 11.10m	14
21	Height of boom (black band) above covering board level	0,178	max. 0.85m min. 0.50m	16
22	Height of fore triangle above covering board level (1)	8,880	max. 8.88m	15
23	Base of fore triangle (J) (Deck black band to be checked)	2,693	max. 0.50 x √S	14
	Min. Headsail for measurement purposes = 0.5 x l x J x 80%	9,566m ²		14
25	Spinnaker, halliard above forestay	0,100	max. 10cm	17
26	Spinnaker halliard out from mast	0,007	max. 3cm	17
27	Spinnaker breadth of half the foot	3,366	max. 1.25 x J	17
28	Storm spinnaker, breadth of half the foot	2,693	max. J	17
29	Spinnaker boom length	2,692	max. J	18
30	Mast diameter at 1/2 ht. of fore triangle, round mast	142/103	min. 11.5cm	19
31	Mast diameter at deck, round mast	142/103	min. 10.9cm	19
32	Mast diameter at jib halliards, round mast	124/99	min. 9.2cm	19
33	Mast diameter at top, round mast	71/72	min. 5.8cm	19
	(The athwartships diameter of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)			
34	Tip weight of mast	19 kg	min. 16kgs	19
35	Boom depth	103	max. 15.2cm	20
36	Boom width	67	min. 3.8cm	20

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