

UNION SCHWEIZERISCHER YACHTCLUBS

Eigenerwechsel

Klasse 5,5m J1
 Série SUI 172
 Segel-Nr. SUI 172
 No de voile SUI 172
 bisheriger Bootsname Athenis IX
 ancien nom du yacht Athenis IX
 neuer Bootsname "Candance"
 nouveau nom du yacht "Candance"
 Baujahr 1990
 Année de constr. 1990
 Bauwert Melges IISF
 Chantier Melges IISF

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

UNION SUISSE DU YACHTING

Changement de propriétaire

Neuer Eigner S Keller / M Jost
 Nouveau propriétaire S Keller / M Jost
 Name S Keller / M Jost
 Nom S Keller / M Jost
 Club TYC
 Adresse Gesellschaftstr. 35
3012 Bern
 Datum 3.6.94
 Date 3.6.94

USY - Verm.
 Der Vermesser O. Weber
 Le Jaugeur [Signature]
CH-8802 Kilchberg/ZH

**Im USY-Register
 eingetragen am
 15. JUNI 1994**

International 5.5 Metre Class Certificate of Rating

Yacht's Name: *Artemis IX* Sail Number: *Z 172*
 Owner: *R. Pieper* Owner's Club: *SL St. M.*
 Designer: *Hexcon - Melges* Date Completed: *5.5.90*
 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): *0.007* (metres)

Classification Society: *A.B.S. (American Bureau of Shipping)*
 Expiration date of classification certificate: *n/a*

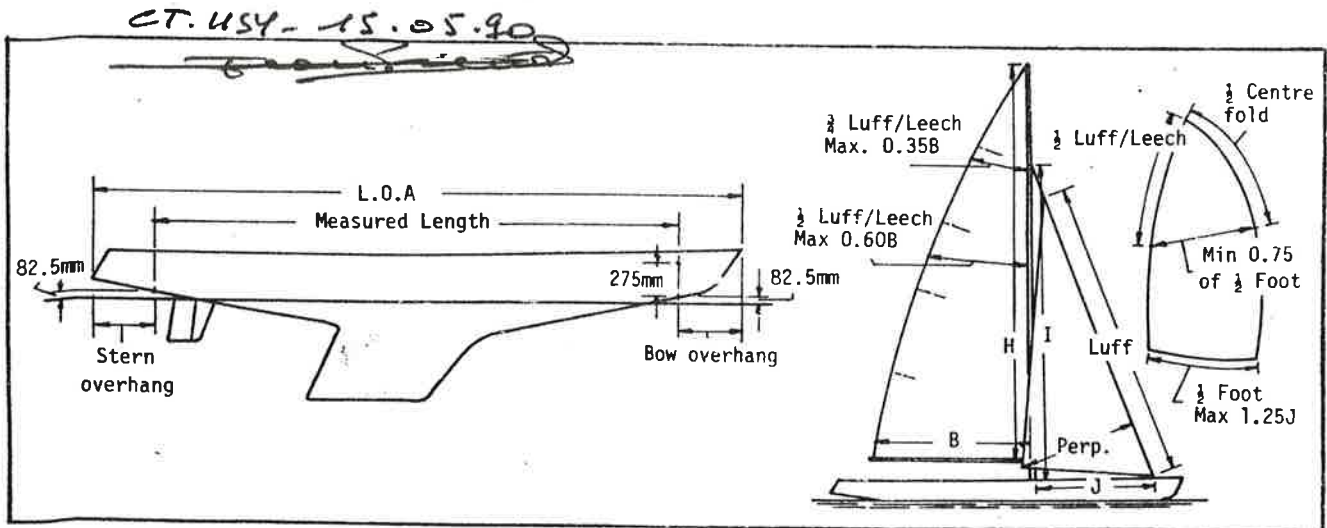
Measurements or partial re-measurements by National Authority Measurer, signature and date and Item No:

Signature **USY - Ver...** Date *5.5.90* Item No *1-62*
 *O. Weber*
 **CH-8802 Kilchberg/ZH**
 Expiration date of rating certificate:
 Re-Rated:

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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 of designer or builder: *Signed by Holly C. Melges 13.3.90*
 Signature of owner or representative:

Certificate authorised by: Date:
 For: (enter name of National Authority)



Item No.		Actual	Rule Limits	Rule No.
	HULL			
1	Immersion checked in salt <u>fresh</u> water	date 5.5.90		5,24
2	Weight of inside ballast placed at <u>none</u>	∅		27
3	Beam	1,908	min. 1.90m	2,8
4	Max. Draft	1,348	max. 1.35m	2
5	Freeboard at bow girth station	0,767		4
6	Freeboard at stern girth station	0,547		4
7	Freeboard at midship mark	0,602		4
8	Freeboard average	0,639	min. 0.63m	4
9	Keel and ballast materials	lead	lead or iron	9(iii)
10	Keel height of round at bottom	nil	min. 75mm	9(iv)
11	Maximum section width down to 1m from LWL	0,168	min. 150mm	9(iv)
12	Stern angle	0,204	min. 1 in 5.5 = 0,182	11
13	Round of beams	0.005	max. 7mm in 305mm	12
14	Tumblehome	none		13
15	Deduct 2% of max. beam	n/a		
16	Excess tumblehome	∅	3 x excess added to rating	13
17	Area of deck openings	2,245	max. 2.25m ²	21
18	Cockpit forward of L1 mark	2,845	min. 1.75m	22
19	Breadth of side decks	0.374	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	0,665	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)	2,684	max. 0.50 x √J	14
24	Min. Headsail for measurement purposes = 0.5 x I x J x 80%	9,534		14
25	Spinnaker, halliard above forestay	0,095	max. 10cm	17
26	Spinnaker halliard out from mast	0,030	max. 3cm	17
27	Spinnaker breadth of half the foot	3,355	max. 1.25 x J	17
28	Storm spinnaker, breadth of half the foot	2,684	max. J	17
29	Spinnaker boom length	2,684	max. J	18
30	Mast diameter at ½ ht. of fore triangle, round mast	10.4 x 14.1	min. 11.5cm	19
31	Mast diameter at deck, round mast	10.4 x 14.1	min. 10.9cm	19
32	Mast diameter at jib halliards, round mast	6.5 x 12.2	min. 9.2cm	19
33	Mast diameter at top, round mast	5.9 x 7.5	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	19.1	min. 16kgs	19
35	Boom depth	11.1	max. 15.2cm	20
36	Boom width	7.2	min. 3.8cm	20

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Item No.		Actual	Rule Limits	Rule No.
MISCELLANEOUS				
37	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.		9,517	
41	Bow overhang to L ₁	0,983		
42	Stern overhang L ₁	1,076		
43	Total overhang	add	2,059	
44	Measured length L ₁		subtract 7,458	
45	Girth at bow	0,685		
47	Twice vertical height at bow (=0.550m)	0,150		
47	Bow girth difference	subtract	0,165 = min	min. 0.165m (rule 3)
48	Girth at stern	1,609		
49	Twice vertical height at stern	0,930		
50	Stern girth difference	subtract		
51	1/3 stern girth difference	0,079		
51	1/3 stern girth difference	div. by 3	0,234 = min	min. 0.234m (rule 3)
52	Length L for rating formula	add	7,857	
SAIL AREA FOR RATING				
53	Largest headsail = 0.5 x _____ (luff) x _____ (perp)		9,600	min. see item 24
54	Main sail = 0.5 x 10,43√(h) x 3,681 (B)		19,205	min 26.5m ² (rule 2)
55	Total sail area S	add	28,805	max. 29.0m ²
56	√S		5,367	
DISPLACEMENT				
57	Weight of yacht (date when weighed) √, √, 90		2015	
58	Displacement D = weight div. by 1025.21kg/m ³		1,966	min. 1.7m ³ (rule 2) max 2.0m ³
59	√D		1,253	
RATING				
60	Rating calculated according to formula		5,499	
61	3 x tumblehome excess	add		(rule 13)
62	FINAL RATING		5,50	

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