



INTERNATIONAL FIVE point FIVE METRE CLASS

Yacht's Name		
Sail Number	<u>SUI 171</u>	Club	<u>TYC</u>
Designer	<u>Melges</u>	Building Year	<u>1990</u>
Builder	<u>Melges</u>	
Builders Address	<u>USA</u>		
Owner	<u>Marc Friedrich</u>		
Owner's Address	<u>Steigerweg 5, 3006 Bern</u>		
Veritas R class certificate (Number or Date)	<u>Veritas may-90</u>		

RATING CERTIFICATE

This yacht has been measured by measurer(s) approved by this Authority and has been found to rate not more than 5.5 m.

This certificate is dated may-90 revalidated 13-May-09
 and its validity confirmed by O.Weber/ GR Perrin for Swiss Sailing
 Valid until 13 mai 11

Signature GR Perrin

Stamp of Authority

Im Swiss Sailing-Register
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Measured by **O.Weber 14**

Item No	Rule No	Measurement	Min	Actual	Max
HULL					
1	23	Immersion checked in salt or fresh water		0.000	
		Difference of immersion with salt water		6mm	
2	13	Weight of inside ballast placed at <u>mid-ship</u>		0.000	
3	5	Beam	1.90m	1.908	
4	2	Max draft		1.350	1.350m
5	4	Freeboard at bow girth station		0.760	
6	4	Freeboard at stern girth station		0.558	
7	4	Freeboard at midship mark	0.560m	0.611	
8	4	Freeboard average (item 5+6+7)	0.628m	0.643	
9	14(iii)	Keel and ballast material (lead or iron)		lead	
10	14(iv)	Keel height of round at bottom		nil	
11	14(iv)	Maximum section width down to 1m below LWL	0.150	0.168	
12	14.11	Thickness of rudder			175mm
13	8	Stern angle	1 in 5.5	0.205	
14	9	Round of beams (Max 7mm in 305 mm)		3	7mm
15	10	Tumblehome		0.000	
16		Deduct 2% of maximum beam		0.038	
17	10	Excess tumblehome (item 14-15)			
18	11	Area of deck opening		2.250	2.25m ²
19	12	Cockpit forward of L1 mark (valid till 1960)	1.75m	2.282	
20	11	Breadth of side decks	0.350 m	0.375	
MISCELLANEOUS					
37	29	Weight of anchor	11.5kg	12.0	13kg
38	29	Length of wrap	30.5 m	ok	
39	23	Top of I marks above water with yacht in racing trim		ok	

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SAILS AND RIGGING					
21	16	Height of sail plan above covering board level		11.100	11.100m
22	18	Height of boom (black band) above covering board level	0.500m	0.675	0.850m
23	17	Height of foretriangle above covering board level (I)		8.880	8.880m
24	16	Base of foretriangle (J) (Deck black band to be checked)		2.673	2.673
25	16	Min. headsail for measurement purpose		9.494	
26	19	Spinnaker halyard above forestay		0.000	0.100
27	19	Spinnaker halyard out from mast		0.000	0.030
28	19	Spinnaker breadth of half foot (Max = 1.25 x J)		3.341	3.341
29	19	Spinnaker boom length		0.000	
		Mast material		Alu	
	21	Forward-Aft mast profile measurement	125mm	130	
	21	Athwartships mast profile measurement	75mm	80	
	21	Constant section from heel to min 6m		yes	
	21	Permanent set not exceeding 50mm between marks		no	
34	21	Tip weight of mast (old min 40 kg)	16kg	19.1	
35	22	Boom depth		0.111	152mm
36	22	Boom width	38mm	0.072	

LENGTH FOR RATING					
40	3	Overall length LOA		9.520	
41	3	Overhang Forward to L1		0.935	
42	3	Overhang Aft to L1		1.117	
43	3	Total Overhang (Subtract)		2.052	
44	3	MEASURED LENGTH (L1 L1)		7.468	
45	3	Girth at Bow		0.665	
46	3	Twice vertical Height at Bow (Subtract)		0.550	
47	3	O at Bow	0.165m	0.165	
48	3	Girth at Stern		1.647	
49	3	Twice vertical Height at Stern (Subtract)		0.951	
50	3	O at Stern		0.696	
51	3	Add 1/3 O at Stern	0.234m	0.234	
52	3	Correct length		7.867	
SAIL AREA FOR RATING					
53	17	Largest headsail [m2]	9.494	9.495	9.495
54	18	Mainsail (Height)	H:	10.425	
		Mainsail (between mast and boom band)	B:	3.661	
		1/4 main sail girth (Including rope max 36% of B)		1.318	
		1/2 main sail girth (Including rope max 62% of B)		2.270	
55	2	Total sail area S (53+54)	26.5m2	28.578	29.0m2
56	2	Square root of S		5.346	
DISPLACEMENT					
57	13	Weight of yacht		2000	2050
58	13	Displacement D=weight/1025.21	1.7m3	1.951	2.0m3
59	13	Cubic root of D		1.250	
RATING					
60	2	Rating calculation according to formula		5.497	
61	10	3x tumblehome excess (add to item 60 for final rating)		0.000	
62	2	FINAL RATING		5.497	5.500

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Signature 	Stamp of Authority

Im Swiss Sailing - Register
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