




# INTERNATIONAL FIVE point FIVE METRE CLASS

## Evolution

Yacht's Name	<u>Bagheera 8</u>	Club	<u>YCO</u>
Sail Number	<u>FRA43</u>	Building Year	<u>1985</u>
Designer	<u>W. Muir</u>		
Builder	<u>W. Muir</u>		
Builders Address			
Owner	<u>Jean-Bernard Datry</u>		
Owner's Address	<u>26 rue du Commandant Mouchotte, F-75014 Paris</u>		
Veritas R class certificate (Number or Date)	<u>Lloyds.1988</u>		

<b>RATING CERTIFICATE</b>		ISAF nb. : <b>0</b>
This yacht has been measured by measurer(s) approved by this Authority and has been found to rate not more than 5.5 m or 5.52 for classic		
This certificate is dated	<u>1 janv. 88</u>	revalidated <u>17-Mar-12</u>
and its validity confirmed by	<u>D. Heywood</u>	for <u>Swiss Sailing</u>
Valid until	<u>17 mars 14</u>	<u>Guy-Roland Perrin</u>
Signature 		Stamp of Authority

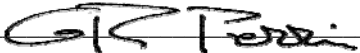
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Item No	Rule No	Measurement	Min	Actual	Max
<b>HULL</b>					
1	23	Immersion checked in salt or fresh water		salt	
		Difference of immersion with salt water		6mm	
2	13	Weight of inside ballast placed at 2.9 mid-ship 60kg		0.000	
3	5	Beam	1.90m	1.922	
4	2	Max draft		1.339	1.350m
5	4	Freeboard at bow girth station		0.773	
6	4	Freeboard at stern girth station		0.545	
7	4	Freeboard at midship mark	0.560m	0.629	
8	4	Freeboard average (item 5+6+7)	0.628m	0.649	
9	14(iii)	Keel and ballast material (lead or iron)		lead	
10	14(iv)	Keel height of round at bottom		0.000	
11	14(iv)	Maximum section width down to 1m below LWL	0.150	0.158	
12	14.11	Thickness of rudder			175mm
13	8	Stern angle	1 in 5.5	1 in 5.5	
14	9	Round of beams (Max 7mm in 305 mm)		1 mm	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		2.240	2.25m2
19	12	Cockpit forward of L1 mark (valid till 1960)	1.75m	2.156	
20	11	Breadth of side decks	0.350 m	0.416	
<b>MISCELLANEOUS</b>					
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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Item No	Rule No	Measurement	Min	Actual	Max
<b>SAILS AND RIGGING</b>					
21	16	Height of sail plan above covering board level		11.094	11.100m
22	18	Height of boom (black band) above covering board level	0.500m	0.850	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)		2.635	2.664
25	16	Min.headsail for measurement purpose		9.360	
26	19	Spinnaker halyard above forestay		0.091	0.100
27	19	Spinnaker halyard out from mast		0.020	0.030
28	19	Spinnaker breadth of half foot (Max = 1.25 x J)		3.294	3.294
29	19	Spinnaker boom length		2.635	
		Mast material		0.000	
	21	Forward-Aft mast profile measurement	125mm	125	
	21	Athwartsips mast profile measurement	75mm	75	
	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	19.5	
35	22	Boom depth		0.103	152mm
36	22	Boom width	38mm	0.074	

<b>LENGTH FOR RATING</b>					
40	3	Overall length LOA		9.311	
41	3	Overhang Forward to L1		0.942	
42	3	Overhang Aft to L1		1.098	
43	3	Total Overhang (Subtract)		2.040	
44	3	MEASURED LENGTH (L1 L1)		7.271	
45	3	Girth at Bow		0.707	
46	3	Twice vertical Heigth at Bow (Subtract)		0.550	
47	3	O at Bow	0.165m	0.165	
48	3	Girth at Stern		1.675	
49	3	Twice vertical Heigth at Stern (Subtract)		0.925	
50	3	O at Stern		0.750	
51	3	Add 1/3 O at Stern	0.234m	0.250	
52	3	Correct lenght		7.686	
<b>SAIL AREA FOR RATING</b>					
53	17	Largest headsail [m2]	9.360	9.820	9.820
54	18	Mainsail (Height)	H:	10.244	
		Mainsail (between mast and boom band)	B:	3.624	
		1/4 main sail girth (Including rope max 36% of B)		1.305	
		1/2 main sail girth (Including rope max 62% of B)		2.247	
55	2	Total sail area S (53+54)	26.5m2	28.382	29.0m2
56	2	Square root of S		5.327	
<b>DISPLACEMENT</b>					
57	13	Weight of yacht		1745	2050
58	13	Displacement D=weight/1025.21	1.7m3	1.702	2.0m3
59	13	Cubic root of D		1.194	
<b>RATING</b>					
60	2	Rating calculation according to formula		5.500	
61	10	3x tumblehome excess (add to item 60 for final rating)		0.000	
62	2	<b>FINAL RATING</b>		<b>5.500</b>	<b>5.500</b>

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Signature		Stamp of Authority	