




INTERNATIONAL FIVE point FIVE METRE CLASS

Modern

Yacht's Name	<u>PENN K III</u>	Club	<u>YCO</u>
Sail Number	<u>FRA 51</u>	Building Year	<u>1994</u>
Designer	<u>Eivind Still</u>		
Builder			
Builders Address			
Owner	<u>Jean-Michel de Poulpiquet</u>		
Owner's Address	<u>1 rue de l'Abbé de l'Épée F-7800 Versailles</u>		
Veritas R class certificate (Number or Date)		<u>Lloyds</u>	

RATING CERTIFICATE		ISAF nb. :	0
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>15 juil. 03</u>	revalidated	<u>17-Mar-12</u>
and its validity confirmed by	<u>Matti Muoniovarra</u>	for	<u>Swiss Sailing</u>
Valid until	<u>17 mars 14</u>		<u>Guy-Roland Perrin</u>
Signature		Stamp of Authority	

Item No	Rule No	Measurement	Min	Actual	Max
HULL					
1	23	Immersion checked in salt or fresh water		fresh	
		Difference of immersion with salt water		0.007	
2	13	Weight of inside ballast placed at 2.9 mid-ship 60kg		77.000	
3	5	Beam	1.90m	1.902	
4	2	Max draft		1.350	1.350m
5	4	Freeboard at bow girth station		0.748	
6	4	Freeboard at stern girth station		0.589	
7	4	Freeboard at midship mark	0.560m	0.572	
8	4	Freeboard average (item 5+6+7)	0.628m	0.636	
9	14(iii)	Keel and ballast material (lead or iron)		lead	
10	14(iv)	Keel height of round at bottom		ok	
11	14(iv)	Maximum section width down to 1m below LWL	0.150	0.150	
12	14.11	Thickness of rudder			175mm
13	8	Stern angle	1 in 5.5	1 in 4.3	
14	9	Round of beams (Max 7mm in 305 mm)		ok	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		2.071	2.25m2
19	12	Cockpit forward of L1 mark (valid till 1960)	1.75m	2.430	
20	11	Breadth of side decks	0.350 m	0.350	
MISCELLANEOUS					
37	29	Weight of anchor	11.5kg	12.0	13kg
38	29	Length of wrap	30.5 m	ok	
39	23	Top of l marks above water with yacht in racing trim		ok	

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Item No	Rule No	Measurement	Min	Actual	Max
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	0.800	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)		2.683	2.683
25	16	Min. headsail for measurement purpose		9.530	
26	19	Spinnaker halyard above forestay		0.100	0.100
27	19	Spinnaker halyard out from mast		0.030	0.030
28	19	Spinnaker breadth of half foot (Max = 1.25 x J)		3.354	3.354
29	19	Spinnaker boom length		2.683	
		Mast material		0.000	
	21	Forward-Aft mast profile measurement	125mm	125	
	21	Athwartships 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	20.0	
35	22	Boom depth		0.108	152mm
36	22	Boom width	38mm	0.093	
LENGTH FOR RATING					
40	3	Overall length LOA		9.057	
41	3	Overhang Forward to L1		0.735	
42	3	Overhang Aft to L1		0.925	
43	3	Total Overhang (Subtract)		1.660	
44	3	MEASURED LENGTH (L1 L1)		7.397	
45	3	Girth at Bow		0.695	
46	3	Twice vertical Height at Bow (Subtract)		0.550	
47	3	O at Bow	0.165m	0.165	
48	3	Girth at Stern		1.730	
49	3	Twice vertical Height at Stern (Subtract)		1.013	
50	3	O at Stern		0.717	
51	3	Add 1/3 O at Stern	0.234m	0.239	
52	3	Correct length		7.801	
SAIL AREA FOR RATING					
53	17	Largest headsail [m2]	9.530	9.988	9.988
54	18	Mainsail (Height)	H:	10.300	
		Mainsail (between mast and boom band)	B:	3.650	
		1/4 main sail girth (Including rope max 36% of B)		1.314	
		1/2 main sail girth (Including rope max 62% of B)		2.263	
55	2	Total sail area S (53+54)	26.5m2	28.786	29.0m2
56	2	Square root of S		5.365	
DISPLACEMENT					
57	13	Weight of yacht		1940	2050
58	13	Displacement D=weight/1025.21	1.7m3	1.893	2.0m3
59	13	Cubic root of D		1.237	
RATING					
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	FINAL RATING		5.500	5.500

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This certificate is dated	15 juil. 03	revalidated	Mar-12
Signature _____	Stamp of Authority		