



INTERNATIONAL FIVE point FIVE METRE CLASS

Yacht's Name	<u>Volpina</u>	Club	<u>Nautic club Moniya</u>
Sail Number	<u>JTA 33</u>		
Designer	<u>CARCARO</u>		
Builder	<u>B. Bellotto</u>	Building Year	<u>1960</u>
Owner	<u>FABRIZIO CAVA 22A</u>		
Owner's Address	<u>2508 Moniya del Garda Via Madonna 10</u>		
Veritas R class certificate (Number or Date)			

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 _____
 and its validity confirmed by _____
 for _____ (enter name of National Authority)
 Valid until _____
 Supersedes _____ (enter former cert. number or date)

Signature _____ Stamp of Authority _____

Comments:

Item No	Rule No	Measurement	Min	Actual	Max
HULL					
1	23	Immersion checked in salt or fresh water			
		Difference of immersion with salt water			
2	13	Weight of inside ballast placed at _____			
3	5	Beam	1.90m	<u>1.80</u>	
4	2	Max draft		<u>1.326</u>	1.350m
5	4	Freeboard at bow girth station		<u>0.710</u>	
6	4	Freeboard at stern girth station		<u>0.585</u>	
7	4	Freeboard at midship mark	0.560m	<u>0.640</u>	
8	4	Freeboard average (item 5+6+7)	0.628m	<u>0.645</u>	
9	14(iii)	Keel and ballast material (lead or iron)		<u>/</u>	
10	14(iv)	Keel height of round at bottom		<u>/</u>	
11	14(iv)	Maximum section width down to 1m below LWL		<u>/</u>	
12	8	Stern angle	1 in 5.5	<u>/</u>	
13	9	Round of beams (Max 7mm in 305 mm)		<u>/</u>	7mm
14	10	Tumblehome		<u>/</u>	
15		Deduct 2% of maximum beam		<u>0.021</u>	
16	10	Excess tumblehome (item 14-15)		<u>/</u>	
17	11	Area of deck opening		<u>/</u>	2.25m ²
18	12	Cockpit forward of L1 mark	1.75m	<u>/</u>	
19	11	Breadth of side decks	0.350 m	<u>/</u>	
MISCELLANEOUS					
37	29	Weight of anchor	11.5kg	<u>/</u>	13kg
38	29	Length of wrap	30.5 m	<u>/</u>	
39	23	Top of I marks above water with yacht in racing trim		<u>/</u>	

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Item No	Rule No	Measurement	Min	Actual	Max
SAILS AND RIGGING					
20	16	Height of sail plan above covering board level		11.100	11.100m
21	18	Height of boom (black band) above covering board level	0.500m	0.590	0.850m
22	17	Height of foretriangle above covering board level (I)		8.880	8.880m
23	16	Base of foretriangle (J) (Deck black band to be checked)		2.406	
24	16	Min. headsail for measurement purpose			
25	19	Spinnaker halyard above forestay			
26	19	Spinnaker halyard out from mast			
27	19	Spinnaker breadth of half foot (Max = 1.25 x J)		3.383	
28	19	Storm spinnaker breadth of half foot			
29	19	Spinnaker boom length		2.400	
30	21	Mast diameter at 1/2 height of foretriangle	11.5cm		
31	21	Mast diameter at deck	10.9cm		
32	21	Mast diameter at jib halyard	9.2cm		
33	21	Mast diameter at top	5.8cm		
	21	Forward-Aft mast profile measurement	125mm		
	21	Athwartsips mast profile measurement	75mm		
	21	Constant section from heel to min 6m			
	21	Permanent set not exceeding 50mm between marks			
34	21	Tip weight of mast (old min 40 kg)	16kg	10	
35	22	Boom depth			15.2cm
36	22	Boom width	3.8cm		
LENGTH FOR RATING					
40	3	Overall length LOA		9.095	
41	3	Overhang Forward to L1		0.631	
42	3	Overhang Aft to L1		1.198	
43	3	Total Overhang (Subtract)		1.829	
44	3	MEASURED LENGTH (L1 L1)		4.226	
45	3	Girth at Bow		0.645	
46	3	Twice vertical Heigth at Bow (Subtract)		0.550	
47	3	O at Bow	0.165m	0.65	
48	3	Girth at Stern		1.664	
49	3	Twice vertical Heigth at Stern (Subtract)		1.005	
50	3	O at Stern		0.662	
51	3	Add 1/3 O at Stern	0.234m	0.229	
52	3	Correct lenght		4.623	
SAIL AREA FOR RATING					
53	17	Largest headsail [m2]	0.000	9.962	0.000
54	18	Mainsail (Height)		H: 10.51	
		Mainsail (between mast and boom band)		B: 2.68	
		1/4 main sail girth (Including rope max 35% of B) 36		3.325	
		1/2 main sail girth (Including rope max 60% of B) 62		7.282	
55	2	Total sail area S (53+54)	26.5m2	29.90	29.0m2
56	2	Square root of S		5.4129	
DISPLACEMENT					
57	13	Weight of yacht		1.738	
58	13	Displacement D=weight/1025.21	1.7m3	1.715	2.0m3
59	13	Cubic root of D		1.194	
RATING					
60	2	Rating calculated according to formula		5.52	
61	10	3x tumblehome excess (add to item 60 for final rating)			
62	2	FINAL RATING		5.82	

Yacht's Name <u>Volpina</u>	Sail Number <u>V. 1433</u>
This certificate is dated <u>08-05-2013</u>	
Signature <u>[Signature]</u>	Stamp of Authority

