



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office

PATRICIO D. GUTIERREZ
C. GRIERSON Y
COSTANERASUR
Y.C.A



Certificate

Number **660001**
Issued On **12/01/2017**
ORC Ref **ARG00004036**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

Crew Weight

Declared	718kg
Default*	722kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin GPH	679,8	0,8826
Non Spin OSN	661,5	0,9070

Sails Limitations

Headsails **5** Spinnakers **3**
Dacron Sails

Spinnaker configuration
Symmetric: **Yes** **144,18**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 8,766

Stability (Estimated)

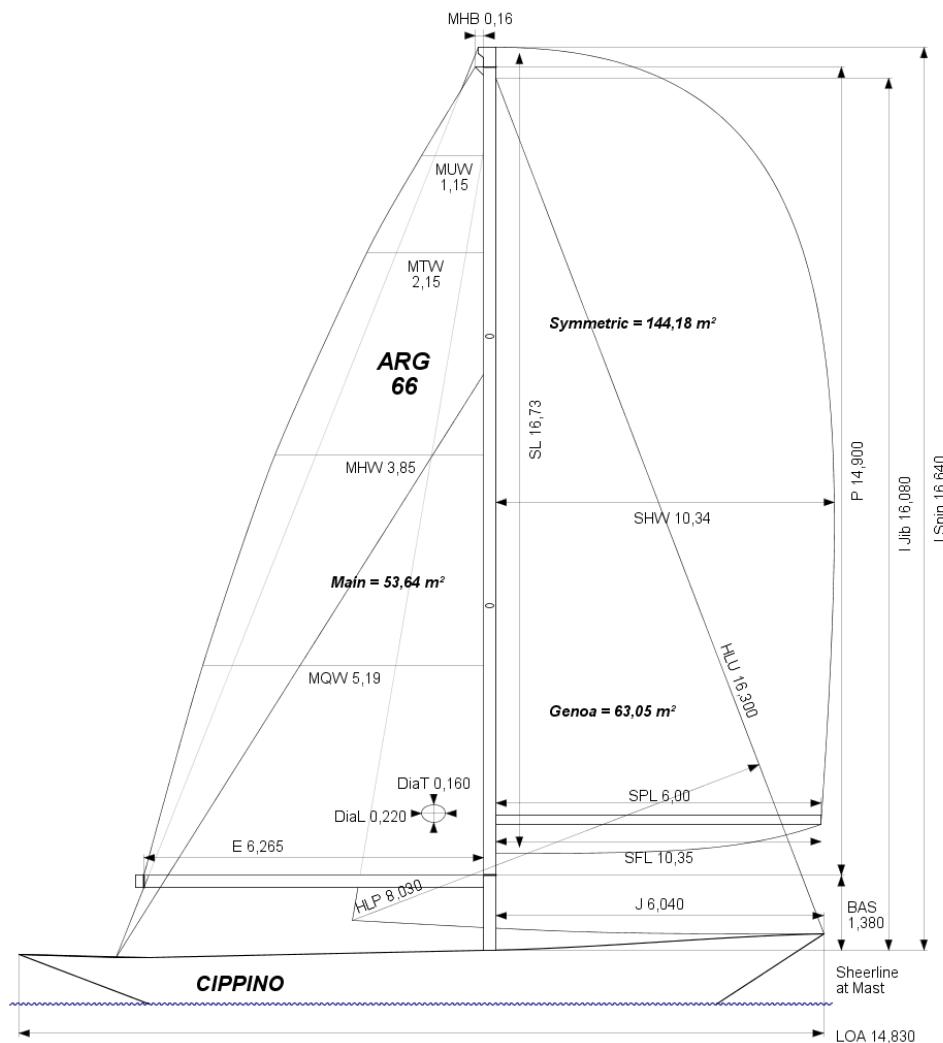
Limit Positive Stab.: **134,7°**
Stability Index: **143,8**

Owner

DANIEL SIELICKI
BS AS

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature



BOAT		GPH		HULL			
Name	CIPPINO	651,8		Data File	CIPPINO	LOA	14,830m
Sail Nr	ARG-66			Offset File	CIPPINO.OFF	MB	3,424m
				Displacement	13.439kg	Draft	2,072m
CLASS				IMS Division	Cruiser/Racer	Dynamic All.	0,481%
Class	FRERS 50			Fwd Accom.	No	Construction	Solid
Designer	G. FRERS			Fiber Rigging	No	Aramid Core	No
Builder	GUTIERREZ			Crew Arm Ex		Carbon Rudder	No
Series	01/1949					Light Stanchions	
Age Date	01/1949			IMSL	10,699m	VCGD	-0,323m Sink 22,89kg/mm
Age Allowance	0,487%			RL	6,832m	VCGM	-0,264m WS 39,60m²
COMMENTS				LSM0	10,343m	Displacement/Length ratio	12,1458
				Water Ballast	0	Trim Tab	No
PROPELLER				CENTERBOARD			
Installation	In Aperture	PRD	0,430	N/A			
Type	Solid 2 blades	PBW	0,120				
		PIPA	0,0129				

SCORING OPTIONS

	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	634,2			718,2		
Time On Time	0,9460			0,9399		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	760,5	574,8	502,6	993,7	729,4	611,4
Time on Time	0,8876	1,1743	1,3430	0,6793	0,9254	1,1040



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ORC Club Certificate Appendix

BOAT

Name **CIPPINO**
Sail Nr **ARG-66**

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TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1176,3	977,1	873,9	807,9	767,0	740,5	712,2
52°	746,7	630,1	557,7	517,5	496,7	485,3	473,9
60°	694,0	587,8	519,5	488,0	471,8	463,2	455,1
75°	651,9	549,6	494,4	470,6	453,7	441,9	433,2
90°	646,4	544,0	490,0	466,9	452,1	439,2	415,7
110°	663,0	543,1	481,9	457,8	448,2	440,7	425,3
120°	679,9	556,7	488,5	460,2	441,3	429,7	415,1
135°	746,5	607,0	518,6	476,0	454,4	437,4	405,1
150°	880,4	696,7	589,8	515,9	476,8	456,4	424,9
Run VMG	1016,6	804,7	680,9	591,7	534,9	491,2	449,1

Selected Courses

Windward / Leeward	1096,4	890,9	777,4	699,8	650,9	615,9	580,6
Circular Random	908,6	729,7	632,0	574,0	537,6	513,7	484,9
Ocean for PCS	1120,1	861,2	713,0	620,6	559,6	517,2	460,5
Non Spinnaker	958,2	765,2	658,7	594,3	553,2	525,6	491,5

Velocity Prediction in Knots for True Wind Speeds

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	46,3°	44,6°	44,9°	45,2°	45,0°	44,0°	43,1°
Beat VMG	3,06	3,68	4,12	4,46	4,69	4,86	5,05
52°	4,82	5,71	6,46	6,96	7,25	7,42	7,60
60°	5,19	6,12	6,93	7,38	7,63	7,77	7,91
75°	5,52	6,55	7,28	7,65	7,93	8,15	8,31
90°	5,57	6,62	7,35	7,71	7,96	8,20	8,66
110°	5,43	6,63	7,47	7,86	8,03	8,17	8,46
120°	5,30	6,47	7,37	7,82	8,16	8,38	8,67
135°	4,82	5,93	6,94	7,56	7,92	8,23	8,89
150°	4,09	5,17	6,10	6,98	7,55	7,89	8,47
Run VMG	3,54	4,47	5,29	6,08	6,73	7,33	8,02
Gybe Angles	146,1°	150,6°	150,3°	153,4°	162,7°	180,0°	180,0°