



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

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



Certificate

Number **535301**
Issued On **10/03/2016**
ORC Ref **ARG00002105**
VPP Ver. **2016 1.01**
Valid until **31/12/2016**

Crew Weight

Declared	330kg
Default*	613kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin GPH	627,8	0,9557
Non Spin OSN	610,9	0,9822
N/S Perf. Line	-4,6	0,601

Sails Limitations

Headsails **7** Spinnakers **4**

Spinnaker configuration

Symmetric: **No**
Asymmetric: **Yes 99,37**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = **9,592**

Stability

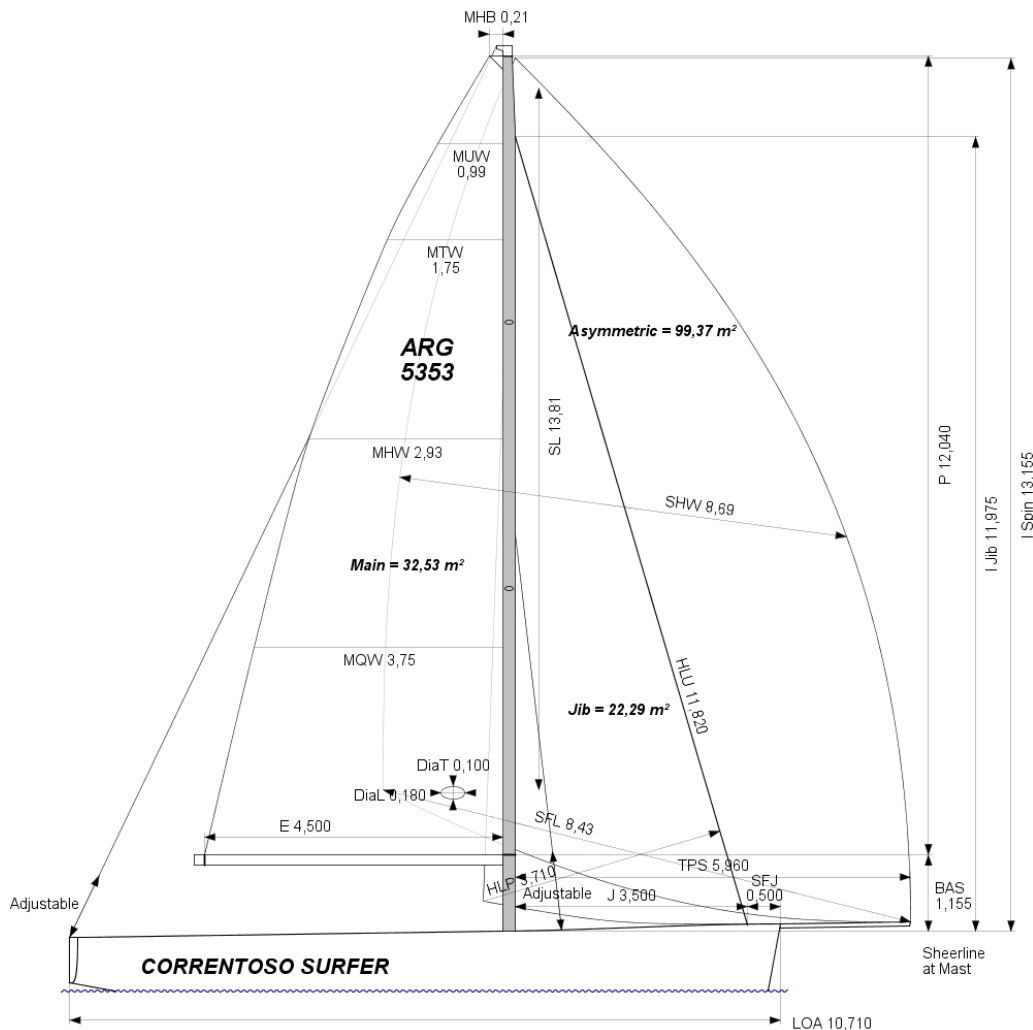
LPS (Estimated): **153,7°**
Stability Index: **158,2**
OSR Category: **N/A**

Owner

**ALEJANDRO LAURENCE
BUENOS AIRES**

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

Signature



BOAT		GPH		HULL					
Name	CORRENTOSO SURFER	585,9	Data File	ARG5353.dxt	LOA	10,710m			
Sail Nr	ARG-5353		Offset File	ARG5353.off	MB	2,280m			
			Displacement	2.897kg	Draft	2,180m			
CLASS			IMS Division	Performance	Dynamic All.	0,069%			
Class	MD 35		Fwd Accom.	No	Construction	Cored			
Designer	MARK MILLS		Fiber Rigging	Yes	Aramid Core	No			
Builder	M BOATS		Crew Arm Ex		Carbon Rudder	Yes			
Series	04/2008		Light Stanchions						
Age Date	04/2008		IMSL	9,872m	VCGD	-0,463m Sink	12,05kg/mm		
Age Allowance	0,260%		RL	9,311m	VCGM	-0,513m	WS	17,64m²	
COMMENTS			LSM0	9,220m	Displacement/Length ratio		3,6962		
			Water Ballast				0	Trim Tab	No
PROPELLER			CENTERBOARD						
Installation	Strut	PRD	0,406						
Type	Folding 2 blades	PBW	0,110	N/A					
		PIPA	0,0031						

SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	569,9			638,8		
Time On Time	1,0528			1,0566		
Performance Line	0,722	40,8		0,997	268,7	
Triple Number	Low 1,0145	Medium 1,2938	High 1,4737	Low 0,7824	Medium 1,0492	High 1,2198



World Leader in Rating Technology

2016

ORC Club Certificate Appendix

BOAT

Name **CORRENTOSO SURFER** Certificate Number **535301**
Sail Nr **ARG-5353** Issued On **10/03/2016**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1004,7	816,8	731,6	692,0	669,6	651,5	642,2
52°	654,5	540,8	502,1	488,2	480,6	474,4	465,1
60°	612,7	516,5	485,9	473,1	465,2	459,7	446,2
75°	577,4	499,6	471,1	450,6	437,7	429,3	419,1
90°	580,2	501,5	471,3	445,1	420,2	402,8	387,0
110°	571,7	490,6	469,6	450,7	429,4	407,9	361,6
120°	588,4	493,1	459,5	437,7	418,0	395,8	354,1
135°	662,9	527,7	476,4	439,6	400,2	369,4	323,9
150°	789,0	622,0	526,3	478,1	450,9	416,2	332,2
Run VMG	911,1	718,2	607,7	552,2	520,7	480,6	383,6

Selected Courses

Windward / Leeward	957,9	767,5	669,7	622,1	595,1	566,0	512,9
Circular Random	804,1	650,5	569,0	521,4	490,3	467,2	430,6
Ocean for PCS	986,4	762,9	638,0	561,7	510,4	472,0	413,2
Non Spinnaker	883,1	705,2	608,2	550,5	513,7	488,5	455,1

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	42,9°	41,8°	40,0°	38,2°	37,1°	36,2°	36,3°
Beat VMG	3,58	4,41	4,92	5,20	5,38	5,53	5,61
52°	5,50	6,66	7,17	7,37	7,49	7,59	7,74
60°	5,88	6,97	7,41	7,61	7,74	7,83	8,07
75°	6,23	7,21	7,64	7,99	8,22	8,39	8,59
90°	6,21	7,18	7,64	8,09	8,57	8,94	9,30
110°	6,30	7,34	7,67	7,99	8,38	8,83	9,95
120°	6,12	7,30	7,83	8,23	8,61	9,09	10,17
135°	5,43	6,82	7,56	8,19	8,99	9,75	11,12
150°	4,56	5,79	6,84	7,53	7,98	8,65	10,84
Run VMG	3,95	5,01	5,92	6,52	6,91	7,49	9,39
Gybe Angles	143,0°	144,9°	149,3°	151,8°	148,3°	145,6°	144,0°